ZETTLER

Care Communications

Product Catalogue

Version 5.5

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Tyco Fire & Security GmbH, Victor von Bruns-Strasse 21, 8212 Neuhausen am Rheinfall, Switzerland

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1 Introduction

1.1 What this catalogue contains

Contents

We are delighted to be able to present the new care communication systems to you. This catalogue contains all the call system articles that you can order from your sales company. The contact addresses are given on the back.

There is a brief description and a photograph for every article of the Medicall 800, Medicall 800 Security and VarioLine product groups.

Field stores

Our field stores are among the biggest distribution centres worldwide when it comes to safety engineering. It is our aim to despatch goods on the day they are ordered.

We know that first-class customer service is indispensable to your business. That is why we offer our customers outstanding warranty and repair terms. Credit notes will be issued for all articles returned within the warranty period.

Support and training

Our central Product Support team in Munich (Germany) offers technical support for all our products. We organise training courses in all the products that can be ordered from us, for instance through product presentations and technical training in commissioning and installation, for our customers all over Europe.

We recommend that you take advantage of this free service. All training courses can be run at any time and in any location. Please contact us.

Website

The website of Tyco Fire Protection offers an overview of our entire product range, including call system and communication systems. Each system comes with a wealth of literature such as information brochures, data sheets, technical documentation, newsletters and much more.

Address: http://www.tycoemea.com

Technical documentation

More detailed information about the products listed here can be found in the comprehensive technical documentation.

Contact

We firmly believe that we can do more business with you and we look forward to working together. If you would like more information about the products in this catalogue, please contact Product Management. The address is given on the back of this catalogue.

1.2 Regulations

A number of regulations and standards must be observed when planning and installing a call system. The list below mentions just the main ones and makes no claim to completeness:

- DIN EN ISO 11197 (VDE 0750-211), Medical supply units
- DIN EN 50173-1/ISO/IEC 11801 Information technology - Generic cabling systems - Part 1: General requirements
- DIN EN 50174-1 Information technology - Cabling installation - Part 1: Installation specification and quality assurance
- DIN EN 50174-2 Information technology - Cabling installation - Part 2: Installation planning and practices inside buildings
- DIN EN 50310 Application of equipotential bonding and earthing in buildings with information technology equipment
- DIN EN 55015 (VDE 0875-15-1) Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- DIN EN 60529/IEC 60529 (VDE 0470-1) Degrees of protection provided by enclosures (IP Code)
- DIN EN 60601-1 (VDE 0750-1), Medical electrical equipment - Part 1: General requirements for safety
- DIN EN 60601-1-1/IEC 60601-1-1 (VDE 0750-1-1) Medical electrical equipment - Part 1: General requirements for safety - Collateral standard: Safety requirements for medical electrical systems
- DIN EN 60601-1-8/IEC 60601-1-8 (VDE 0750-1-8) Medical electrical equipment - Part 1: General requirements for basic safety and essential performance - Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems
- DIN EN 60669-2-1/IEC 60669-2-1 (VDE 0632-2-1) Switches for household and similar fixed electrical installations - Part 2.1: Particular requirements – Electronic switches
- IEC/EN 60669-2-2/IEC 60669–2–2 (VDE 0632-2-2) Switches for household and similar fixed electrical installations - Part 2.2: Particular requirements – Electromagnetic remote-control switches

- DIN EN 61000-6-1 (VDE 0839-6-1) Electromagnetic compatibility (EMC) - Generic standards - Immunity for residential, commercial and light-industrial environments
- DIN EN 61000-6-3 (VDE 0839-6-3) Electromagnetic compatibility (EMC) - Generic standards - Emission standard for residential, commercial and light-industrial environments
- DIN EN 62305 (VDE 0185-305), Protection against lightning
- DIN EN 62368-1 (VDE 0868-1) Audio/video, information and communication technology equipment - Part 1: Safety requirements

The following regulations must also be observed:

- VDE 0100 Regulations for the installation of power systems and equipment with nominal voltages up to 1000 V
- DIN VDE 0100-200/IEC 60050-826, Erection of low-voltage installations, Part 200: Terms
- DIN VDE 0100-410/IEC 60364-4-41 Erection of high-voltage installations with nominal voltages up to 1000V, Part 4: Protective measures - Chapter 41: Protection against electric shock
- DIN VDE 0100-540/IEC 60364-5-54 Regulations for the erection of high-voltage installations with nominal voltages up to 1000 V, selection and erection of electrical equipment – Earth, protective conductors, equipotential bonding conductors
- DIN VDE 0100-560/IEC 60364-5-56 Erection of high-voltage installations with nominal voltages up to 1000V, Part 5: Selection and erection of electrical equipment - Chapter 56: Electrical systems for safety purposes
- DIN VDE 0100-701/IEC 60364-7-701 Low-voltage electrical installations: Requirements for special installations or locations - Part 701: Locations containing a bath or shower
- DIN VDE 0100-710/IEC 60364-7-710 Erection of low-voltage installations: Requirements for special installations or locations - Part 710: Areas for medical use
- VDE 0800 Telecommunications technology
- DIN VDE 0815 Installation cables and lines for telecommunications and data processing systems
- DIN VDE 0834:2000-04 Call systems in hospitals, nursing homes and similar institutions
- DIN VDE 0845-6-1 VDE regulations for the protection of telecommunications systems from overvoltage

For Austria:

- ÖVE/ÖNORM E 8001 Erection of electrical installations with rated voltages up to AC 1000 V and DC 1500 V
- ÖVE/ÖNORM E 8007 Electrical installations in hospitals and locations for medical use outside hospitals

For the United Kingdom:

- HTM 0803 Health Technical Memorandum 08-03: Bedhead services

Please comply with the relevant national regulations in countries in which the above standards do not apply.

1.3 Abbreviations and stock code numbers

Stock code numbers

- The "x" in stock code numbers which have an "x" as the 4th character designates the version number of the device. Example: 130.651x
- Stock code numbers ending with an "S" indicate what are known as material sets, which facilitate planning and ordering. Example: 125.8130S.

  Material sets are normally supplied pre-assembled.

Abbreviations

With the following parts, abbreviations are used for the functions and operator elements of some devices. An explanation is given in table 1.

Abbreviation	Explanation
Bus	Bus, general
ELA	Public address systems
H	Crash call (button)
LT	Light button
MSU	Medical supply unit
PSA	Pager system
RF	Radio
RD	Call button
S	Service
S	Station
SW	Software
V	Version

Table 1: Abbreviations and their meaning

1.4 Products treated with biocides

Some of the plastic parts used are articles treated with biocides within the meaning of the European Biocidal Products Regulation (EU) No 528/2012 (BPR). A biocidal product is added to them during the manufacturing process in order to restrict the propagation of bacteria on the surface. This means that no particular precautionary measures or regulations on use apply for these components.

The following biocidal product is used:

- Silver ions
  - LED light (housing), 138.4000S, 138.4050S, 138.4100S, 138.4150S, 138.4200S, 138.4250S
    For which: Sounder for LED light with electronics, 130.4500, surface mounting frame for LED light, 130.4520
  - Communication terminal Touch (housing), 130.7511, 130.7521
    For which: Mounting frame, surface mounting frame, adapter, 130.76xx
  - Small room LCD node pres./call/scroll S1, 138.1601S
  - Tracking controller, 130.1250
  - Room electronics, 130.1305, 138.1500S, 138.4300S, 135.1500S
  - Data line amplifier, 130.51xx
  - Telephone interface (analogue), 130.5211
  - Universal input/output node F1, 138.5301S
  - Relay control module, 130.7301S
  - Patient's handsets, 125.xxx1, 127.xxxx
    For which: Retaining bracket, 127.5802, cable extension for patient's handsets, 127.5860, plug shells, 127.6000S, front cover unit, 127.6840, cable, 127.68xx, membrane, 127.69xx
  - NHS emergency pull switch, 125.604x, 127.604x
  - Call panel, pull cord panel, presence panel, sockets, 127.xxxx
  - LED Overdoor light without electronics, 138.0x05X
- Zinc pyrithione
  - Communication terminal Touch (membrane keyboard, membrane on the display), 130.7511, 130.7521
  - Room electronics with RFID (membrane keyboard), 130.1305

2 Medicall 800

2.1 Components of Care communications

2.1.1 Overview

A Care communications system consists of a variety of components that are connected to each other via the system bus (with LON or LAN cabling).

See also the overview illustrations in figures 1 on page 9 to 6 on page 14.

Cabling

The system bus can be cabled as a LON or LAN network. Further information can be found in section 7 "Line network" on page 61.

LON cabling is only recommended for existing systems and expansions of existing systems.

LON cabling allows all components to be connected to the system bus at any point. This removes the need for the long lines that are frequently required to reach peripheral components and systems in star wiring.

The system bus extends over the entire call system and, with LON cabling, is split into individual segments by means of data line amplifiers. These do not necessarily have to be identical to a station. This division means that the effects of physical faults such as short-circuits are limited to the particular segments and are unable to impair the operation of the rest of the call system.

In call systems with speech and LON cabling, an additional cable routed between the stations allows inter-station voice communication. This line is called an inter-station audio bus.

Components

The following basic components are used (see section 2.2 "Basic components" on page 16):

- LED light with electronics, dome style
- Room electronics, serial interface
- Room electronics with RFID
- LED light without electronics, dome style
- Adapter for medical device
- Universal input/output node
- Serial interface node RS 232
- TCP/IP gateway
- Star wiring hub (LON)
- NC Switch, 24 ports (LAN)
- Data line amplifier (LON)
- LON router
- LON radio clock with external DCF77 receiver
- Interface between PC and LON system bus
- Corridor display
- Power supply units
- Telephone interface IP
- Room components

The following components are used for displaying and processing calls in call systems without speech (see section 2.3 "Answer stations without speech" on page 22):

- PC answer station mediGraph
- Universal display
- Small room LCD node S1
- Display H10 S2

The following components are used for displaying and processing calls and for voice communication in call systems with speech (see section 2.4 "Answer stations with speech" on page 24):

- PC answer station mediGraph
- Nurse Control Station NCS Touch
- Communication terminals

Calls can be made and cancelled in the rooms using peripheral room components.

Examples of call systems with and without speech can be found in figures 1 on page 9 and 3 on page 11.

LED lamps

In Care communications systems only LED lamps are used in the lights.

LED lamps use very little electricity. They also last a lot longer than incandescent bulbs, which makes them less expensive to maintain.

2.1.2 Example of a call system without speech, with LON cabling

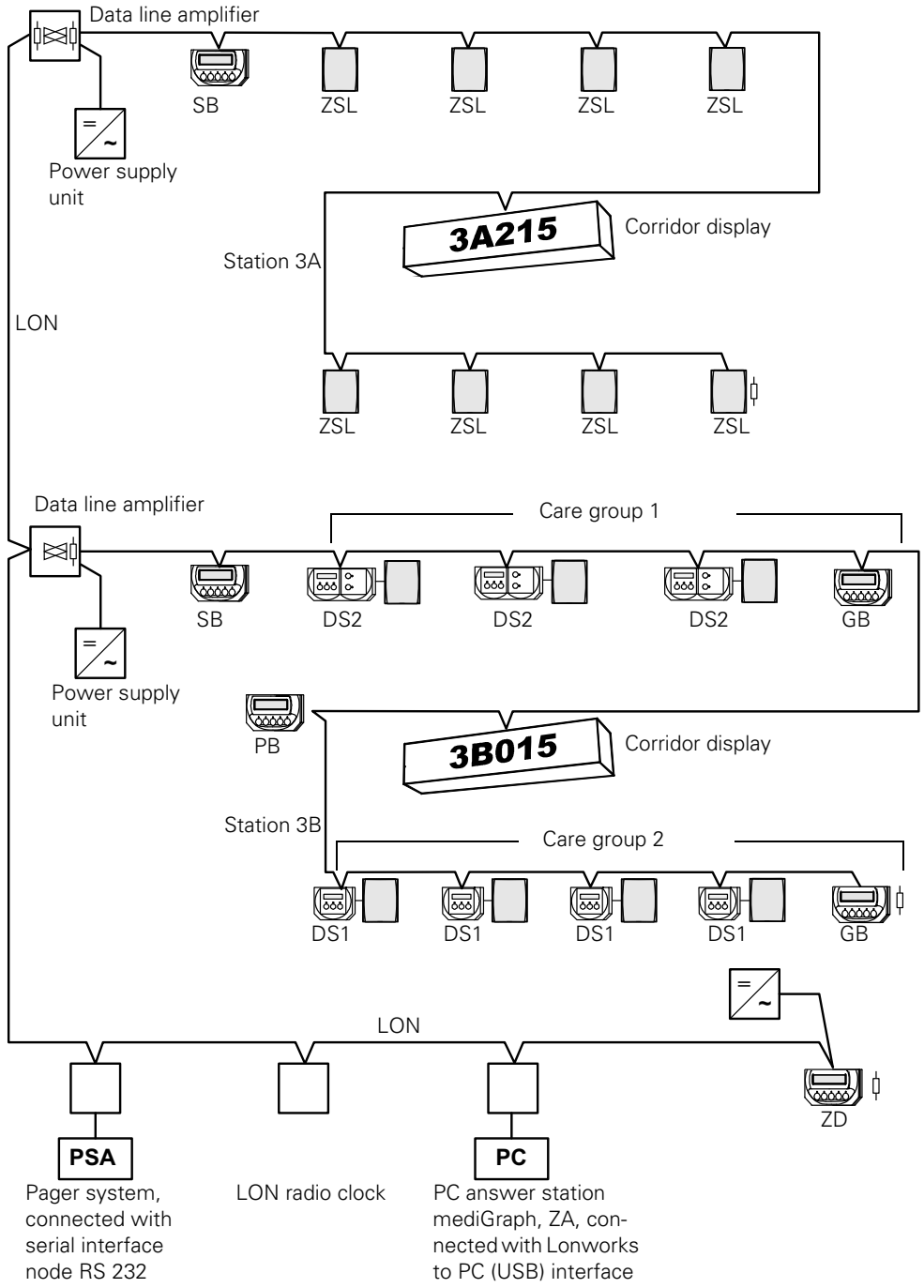


Fig. 1: Example of Care communications without speech, with LON cabling
SB – Station answer station without speech (e.g. universal display) in the station duty room
GB – Group answer station without speech (e.g. universal display) in the group duty room
PB – Parallel answer station without speech (e.g. universal display) in the station
ZB – Central answer station without speech for processing all calls in the call system
ZD – Central display (e.g. universal display) e.g. for displaying faults in the service room
ZSL – LED light with electronics, dome style
DS1 – Display H10 S1 with LED light without electronics F1
DS2 – Small LCD node buttons S2 with LED light without electronics F1
–⊏– – Terminating resistor

2.1.3 Example of a call system with speech, with TCP/IP gateway, in station LAN cabling with NC Switch

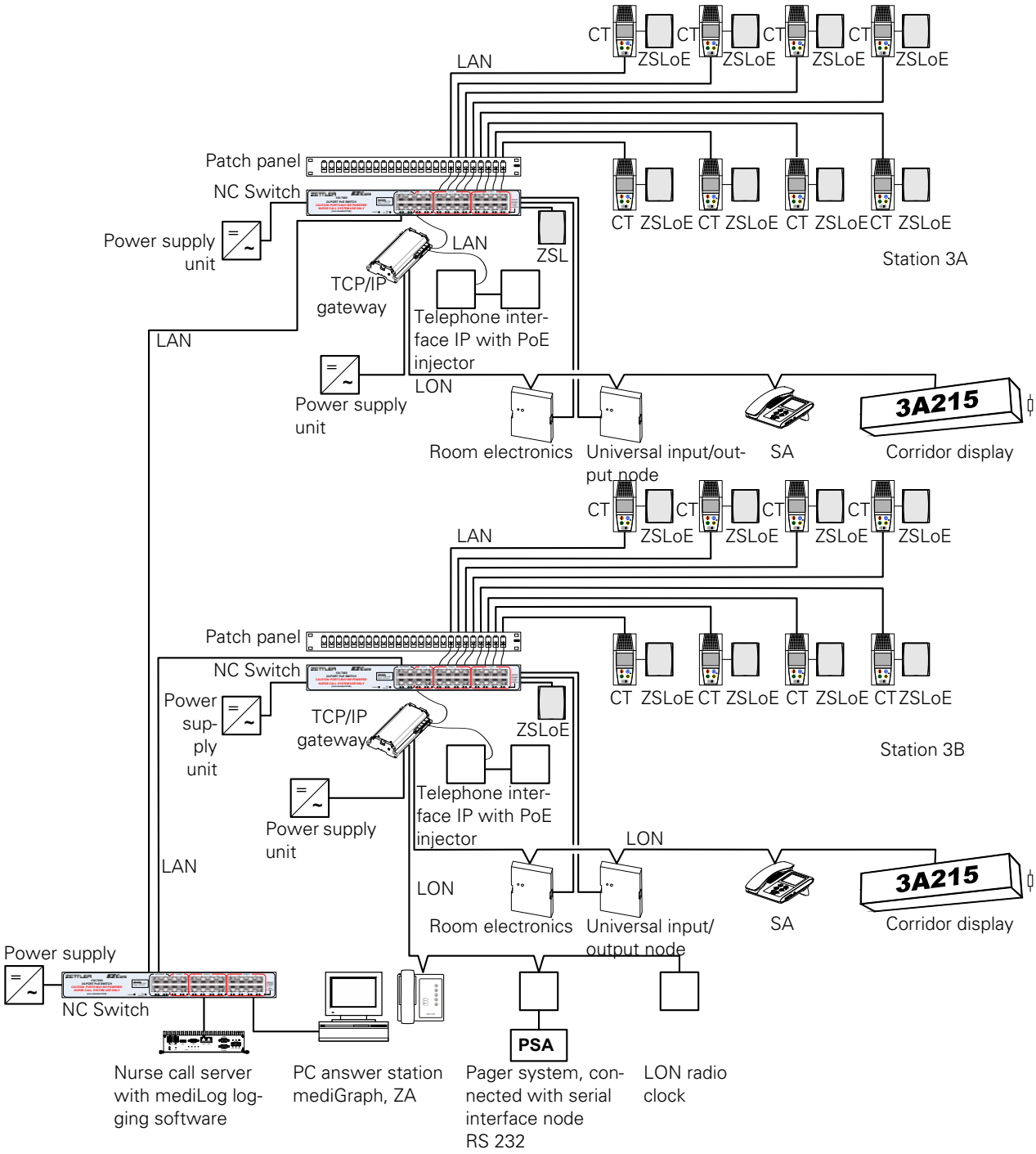


Fig. 2: Example of Care communications with TCP/IP gateway, in station LAN cabling with NC Switch
SA – Main answer station with speech (e.g. NCS Touch) in the station duty room
ZA – Central answer station with speech for processing all calls in the call system
ZSLoE – LED light without electronics, dome style
CT – Communication terminal Touch
–▭– – Terminating resistor

2.1.4 Example of a call system with speech with TCP/IP gateway, in station LON cabling

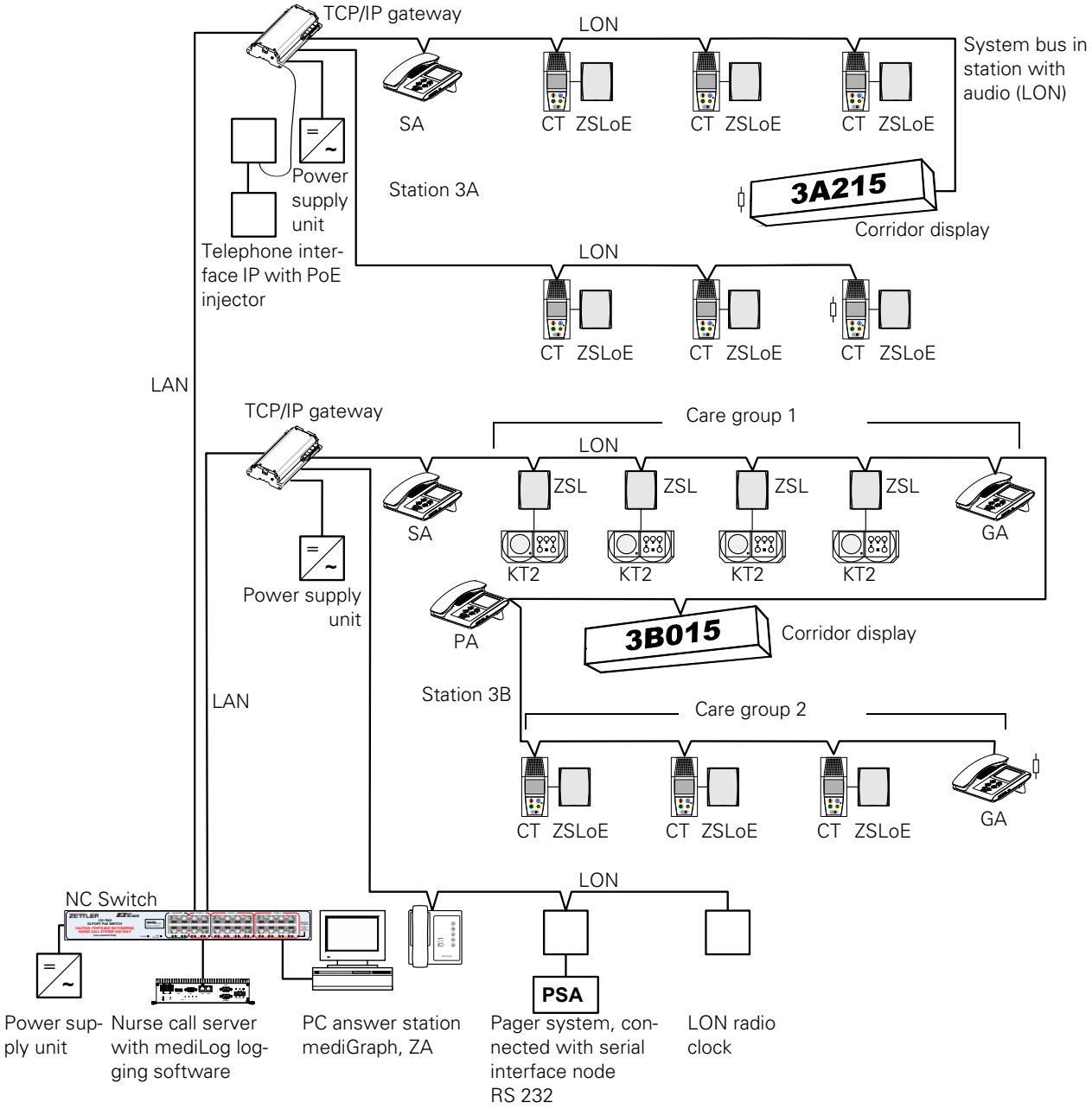


Fig. 3: Example of Care communications with TCP/IP gateway, in station LON cabling
SA – Main answer station with speech (e.g. NCS Touch) in the station duty room
GA – Group answer station with speech (e.g. NCS Touch) in the station duty room
PA – Parallel answer station with speech (e.g. NCS Touch) in the station
ZA – Central answer station with speech for processing all calls in the call system
ZSL – LED light with electronics, dome style
ZSLoE – LED light without electronics, dome style
CT – Communication terminal Touch
KT2 – Communication terminal with buttons S2
–▭– – Terminating resistor

2.1.5 Example of a call system with LON, expanded with TCP/IP gateway

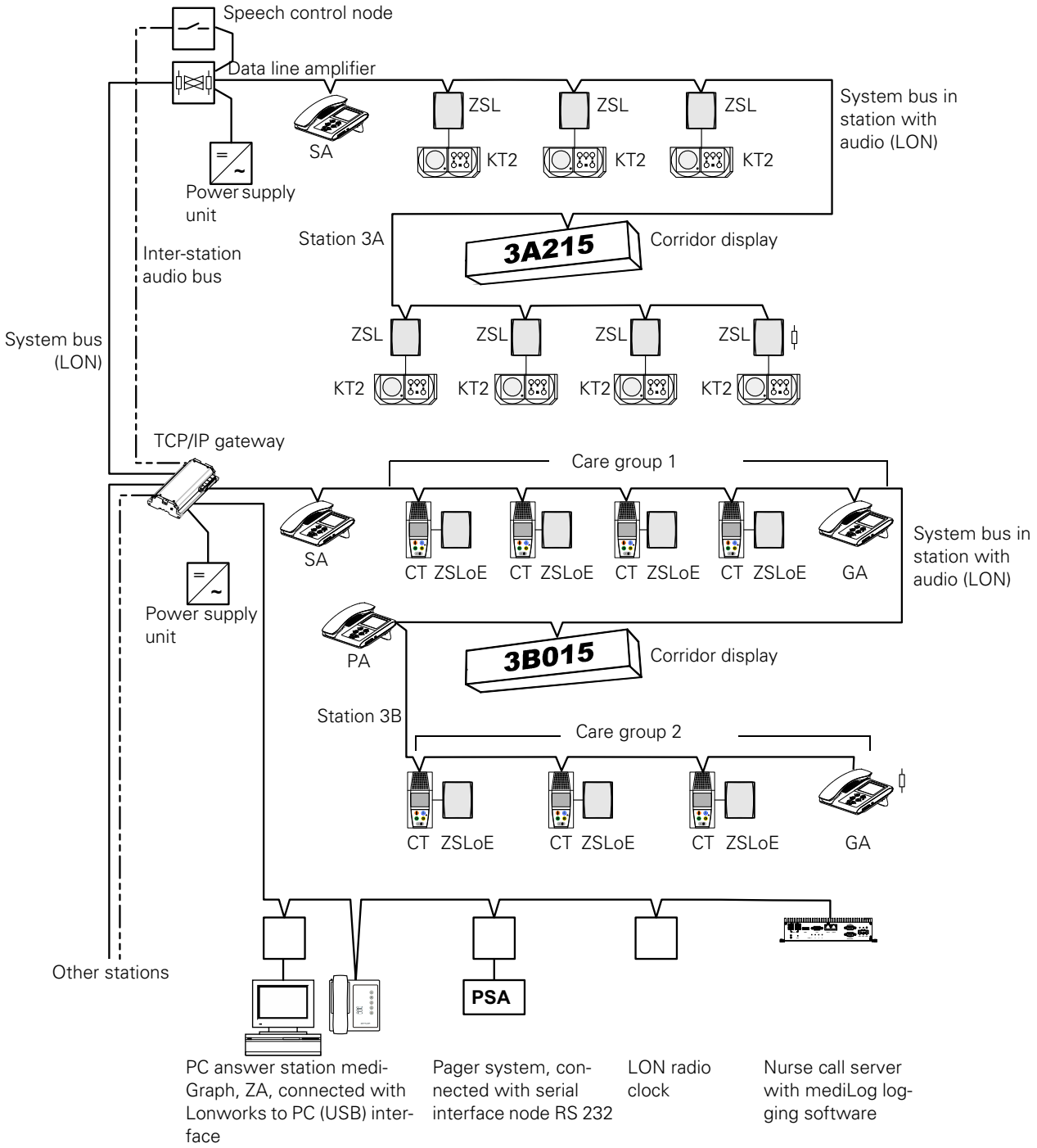


Fig. 4: Example of Care communications with speech with system bus (LON) expanded with TCP/IP gateway
SA – Main answer station with speech (e.g. NCS Touch) in the station duty room
GA – Group answer station with speech (e.g. NCS Touch) in the station duty room
PA – Parallel answer station with speech (e.g. NCS Touch) in the station
ZA – Central answer station with speech for processing all calls in the call system
ZSL – LED light with electronics, dome style
ZSLoE – LED light without electronics, dome style
CT – Communication terminal Touch
KT2 – Communication terminal with buttons S2
–▭– – Terminating resistor

2.1.6 Example of a call system with TCP/IP gateway and DSL connection

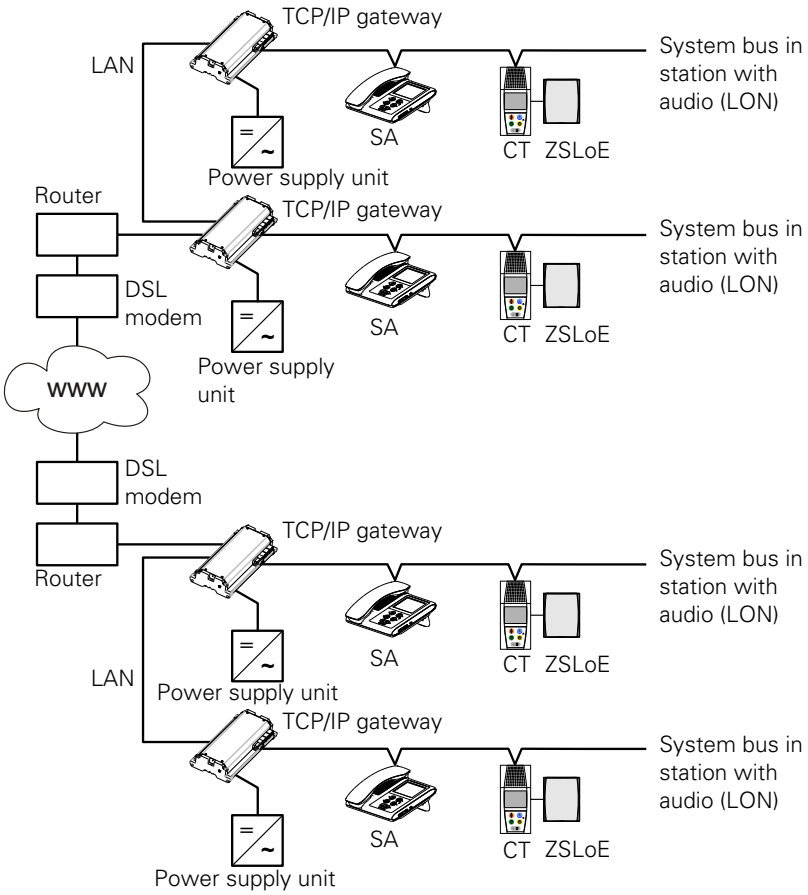


Fig. 5: Example of Care communications with TCP/IP gateway, connected via DSL
SA – Main answer station with speech (e.g. NCS Touch) in the station duty room
ZSLoE – LED light without electronics, dome style
CT – Communication terminal Touch

Router with multicast function

If you connect Care communications via DSL, the router you use must be multicast-capable.

2.1.7 Example of a call system with star wiring hub (LON)

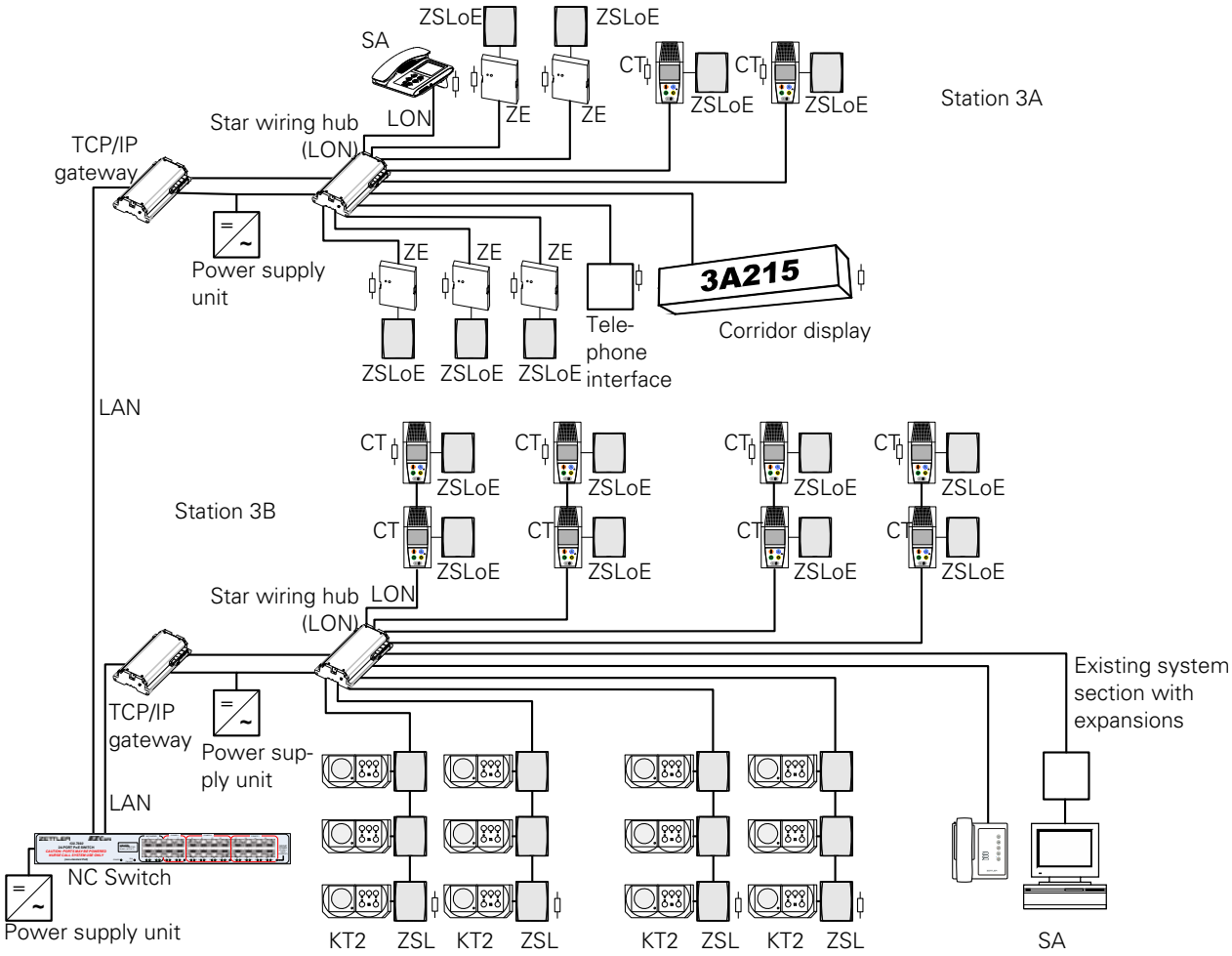


Fig. 6: Example of Care communications with star wiring hub (LON)
SA – Main answer station with speech (e.g. NCS Touch or PC answer station mediGraph) in the station duty room
ZE – Room electronics
ZSL – LED light with electronics, dome style
ZSLoE – LED light without electronics, dome style
KT2 – Communication terminal with buttons S2
CT – Communication terminal Touch
–▭– – Terminating resistor

2.1.8 Example of a call system with 5 stations at a TCP/IP gateway

If a TCP/IP gateway is connected via a LAN, you can use up to 5 audio channels. This allows every care group to have its own audio channel. You can have the care groups appear as stations for the nursing staff.

One power supply per group

Connect the care groups via a star wiring hub. You can connect a PSU for each care group or connect all care groups to one PSU (see also section "One power supply for all groups" on page 16).

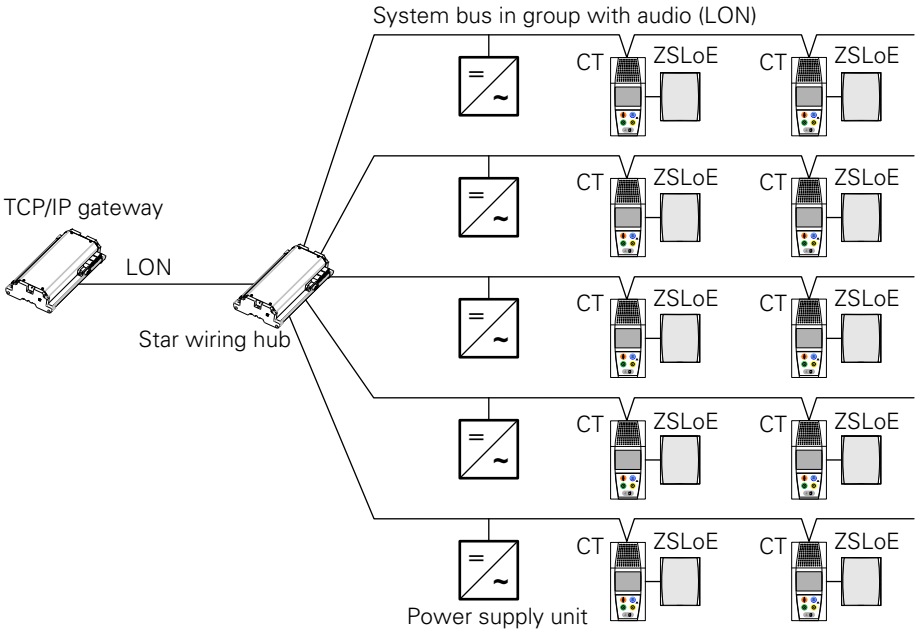


Fig. 7: Block diagram of the TCP/IP gateway with 5 care groups and one audio channel each
One PSU for each care group. One of the PSUs also powers the TCP/IP gateway and the star wiring hub.
CT – Communication terminal Touch
ZSLoE – LED light without electronics, dome style

One power supply for all groups

If a TCP/IP gateway is connected by a LAN, you can use no more than 5 audio channels. This allows every care group to have its own audio channel. You can have the care groups appear as stations for the nursing staff.

Connect the care groups via a star wiring hub. You can use one power supply unit for all groups or one power supply unit for each care group (see also section "One power supply per group" on page 15).

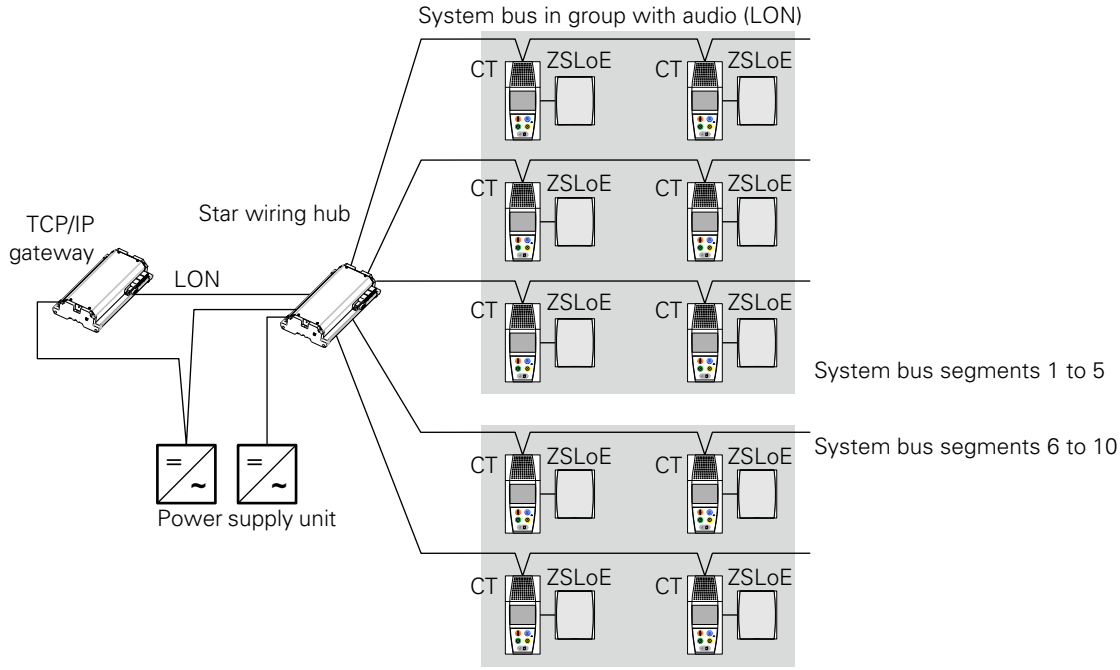


Fig. 8: Block diagram of the TCP/IP gateway with 5 care groups and one audio channel each
One power pack for system bus segments 1 to 5 and one for system bus segments 6 to 10. One of the power packs also supplies the TCP/IP gateway.
CT – Communication terminal Touch
ZSLoE – LED light without electronics, dome style

2.2 Basic components

2.2.1 LED light with electronics, dome style (LON)

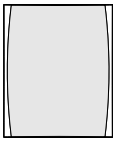


Fig. 9: SET - LED light with electronics F1, 138.4050S/4150S

The LED light contains the entire electronic control system for a room. The electronic performs the following tasks:

- Displays presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in compliance with DIN VDE 0834. Also displays faults of the call lines.
- Monitors the call lines in the room.
- Switches the lamps on and off.
- Controls voice communication (in call systems with speech).
- Switches acoustic call forwarding on and off.
- Hub for the room wiring.

For LED light with electronics, multi-colour, dome style, also:

- Connection of up to 4 cell terminals to serial interface RS-485
- Connection of up to 4 IR/RF sensors to serial interface RS-485
- Controls the cell light if the light button of the cell terminal was pressed. This function must be configured accordingly in the ZETLON configuration software.
- Controls voice communication with the cell terminal (in call systems with speech).
- In the event of sabotage at the cell terminal,the LED light with electronics isolates the cell terminal.

In the standard configuration the LED light has four lamp chambers with LEDs in these colours:

- 1, white: WC call, WC emergency call (in combination with a red lamp)
- 2, red: Patient call, WC call, emergency call
- 3, green: Presence 1 and/or 2, stored call

- 4, yellow: Presence 2, special call, special emergency call

  Or blue: Crash call

In the LED light with electronics, multi-colour, dome style, 138.4150S, the call categories, colours and flashing patterns can be freely configured. These properties can differ from the standard properties.

If the LED light without electronics, multi-colour, dome style, 138.4100S, is connected to the LED light *with* electronics, multi-colour, dome style, it can display the same call categories, call texts, colours and flashing patterns. See section 2.2.4 "LED light without electronics, dome style" on page 17.

2.2.2 Room electronics, serial interface (LON)

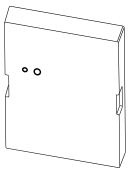


Fig. 10: SET - Room electronics, serial interface, 138.4300S

The room electronics has the same functions as the LED light *with* electronics, multi-colour, dome style, but there are no lamps.

Example: If you want to mount the LED light at a different location to the room electronics.

You can connect the LED light without electronics to the room electronics. See section 2.2.4 "LED light without electronics, dome style" on page 17.

You can connect to the room electronics as a parallel light either the LED light without electronics, dome style, 138.4000S, using the parallel outputs provided for that purpose, or the LED light without electronics, multi-colour, dome style, 138.4100S, using the RS-485 serial interface.

Please note: You can only connect components to either the parallel outputs or the RS-485 serial interface.

You cannot connect components simultaneously to the parallel outputs of the room electronics and the RS-485 serial interface.

2.2.3 Room electronics with RFID (LON)

Fig. 11: Room electronics with RFID, call button, presence button, 130.1305

Room electronics with RFID antenna. With buttons for call and presence 1.

Characteristics

- With control electronics.
- With RFID antenna. Registers wireless RFID tags held in the vicinity of the room electronics unit. The room electronics passes the information on the RFID tag to mediPage.

  mediPage can assign RFID tags to individual people (nursing or maintenance staff) because each RFID tag has a unique serial number. mediLog registers this information.
- The nursing staff can set the presence wirelessly with RFID tags for presence 1 and 2.
- The function of the presence button can be configured with the ZETLON configuration software:
  - Standard: Set presence 1. Clear all set presences (including those with an RFID tag).
  - Clear only presence: Clear all set presences (including those with an RFID tag). If a presence was set, this means that calls are also deleted.
  - No function: Presences can only be set and cleared with an RFID tag.
- With three programmable monitored call lines for calls from the WC, beds and room in accordance with DIN VDE 0834.
- For each call line there is a separately controlled reassurance light for unique differentiation of the call line in the room.
- Displays presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in compliance with DIN VDE 0834. Also displays faults of the call lines.
- 4 outputs for triggering external LED lights for displaying presence and calls.
- With speaker for call forwarding. Adjustable volume.
- Mounting and connection with mounting frame with terminal board for room electronics, stock code number 130.1350.
- Usually installed in the room. System bus (LON) must be connected to the room electronics unit and back.

2.2.4 LED light without electronics, dome style

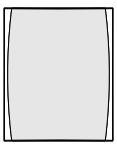


Fig. 12: LED light without electronics, dome style, 138.4000S/ 138.4100S

The LED light without electronics, dome style, 138.4000S, has four lamp chambers with LEDs in these colours:

- White: WC call, WC emergency call (in combination with a red lamp)
- Red: Patient call, WC call, emergency call
- Green: Presence 1 and/or 2, stored call
- Yellow: Presence 2, special call, special emergency call

  Or blue: Crash call

The LED light without electronics, dome style, 138.4000S, is controlled from a room electronics, serial interface or LED light with electronics, dome style, 138.4050S.

The LED light without electronics, multi-colour, dome style, 138.4100S, has four light chambers with monitored multi-colour LEDs.

This LED light is connected via a serial interface RS-485 to the room electronics, serial interface, 138.4300S or the LED light with electronics, multi-colour, dome style, 138.4150S.

On the room electronics or LED light with electronics, multi-colour, the colours and the flashing pattern for presences, calls and faults can be freely configured.

If the LED light without electronics, multi-colour, dome style, 138.4100S, is connected to the LED light *with* electronics, multi-colour, dome style, it can display the same call categories, call texts, colours and flashing patterns.

2.2.5 Adapter for medical device, electrically isolated

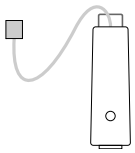


Fig. 13: Adapter for medical device, with mini-DIN plug, electrically isolated, 125.6100

Adapter for electrical isolation of the patient's environment (medical electrical device or patient's handset) from Care communications. The adapter prevents dangerous voltages from being discharged through the patient, putting him at risk.

The following call components can be connected to the adapter:

- Alarm output of a medical electrical device
- VL Patient handset, 1 call button, only for adapter for medical device, electrically isolated

  The patient's handset is tested to IEC EN 60601-1-1. It is suitable for protection range B.

Only connect the adapter to sockets of a Care communications system.

The adapter is used in hospitals, spa and rehabilitation clinics and in retirement and nursing homes and similar institutions.

A Care communications system with the adapter was tested in accordance with IEC (EN) 60601-1 and 60601-1-8. Care communications can be certified on a project-specific basis as a distributed, secondary alarm system according to IEC (EN) 60601-1-8.

2.2.6 Universal input/output node F1 (LON)

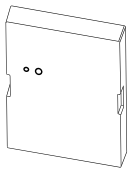


Fig. 14: SET - Universal input/output node F1, 138.5301S

The universal input/output node is used to switch station, group and follow-me directional lights. It offers additional information about the highest-graded call of a station or care group and makes it easier to locate the call line.

The universal input/output node can be used as an electronics for these lights:

- Group and station light

  A light with one number lamp for the individual stations or care groups. The individual lamps of the stations or care groups are labelled with numbers. The light displays the call category with a variety of flashing frequencies.
- Follow-me directional light

  A light that uses a light arrow to display the direction from which a call is coming.
- Collective group and station light

  A common light with lamps for presence 1 and 2, calls and WC calls. The collective light can display the call with the highest category or priority in the care group or station and presences.
- Collective follow-me directional light

  A light with lamps for presence 1 and 2, calls and WC calls for just one direction. It displays the call with the highest category or priority. Since a collective follow-me directional light only signals calls from one single direction, the nurse can identify immediately where the call is coming from.

The assignment of these lights to the rooms stays the same even in the event of interconnections.

2.2.7 Serial interface node RS 232 (LON)

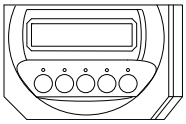


Fig. 15: Serial interface node RS 232, 130.690

The serial interface node RS 232 can be used to control a DECT system or a wireless pager system. Ready-made software modules are available as EPROM for the standard makes. Such modules can be created for other systems if required. The ZETLON configuration software contains an efficient pager system editor. This makes it easy to customize the optical and acoustic signalling on the pagers to local requirements. See also section 8 "Configuring the call system" on page 77.

2.2.8 TCP/IP gateway (LON and LAN)

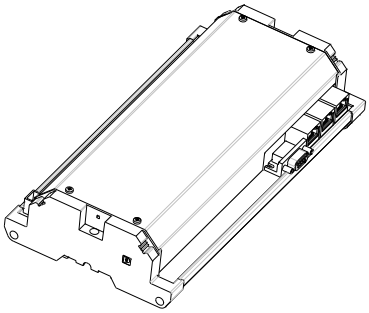


Fig. 16: TCP/IP gateway, 130.8000

The TCP/IP gateway is a main control unit that monitors all nodes of the station. Other functions include:

- Connection to other TCP/IP gateways via LAN or LON (only one type of connection in a system)
- Electrically isolated data line amplifier for connecting one station to other stations
- Speech and audio control node that controls the audio channels of a station or inter-station audio channels
- Switch for the LAN ports Port 1, Port 2, Port 3

Characteristics

- System bus connection for linking to other stations and a maximum of 2 system bus segments for the connection in the station
- Input for system bus electrically isolated from outputs for the system bus segments Bus 1 and Bus 2
- Monitoring of a maximum of 119 nodes in the station
- Monitoring of a maximum of 10 nodes from the central subnet that are assigned to this TCP/IP gateway
- Configuration via ZETLON
- All station configuration data saved
- System bus with LAN cabling: Voice contact between stations via VoIP; no more than 2 simultaneous VoIP connections per TCP/IP gateway
  5 analog audio connections in the station. Also 1 analogue audio connection for central answer stations.
- LON cabling: 4 audio channels across a number of stations
- 4 inputs, separated voltage free: 2 inputs for faults and messages, all 4 for announcements from the PA system
- LEDs for fault diagnosis
- Requires permanent IP address
- The distance between 2 TCP/IP gateways with LAN cabling must not exceed 100 m without installing a router or switch.

2.2.9 Star wiring hub (LON)

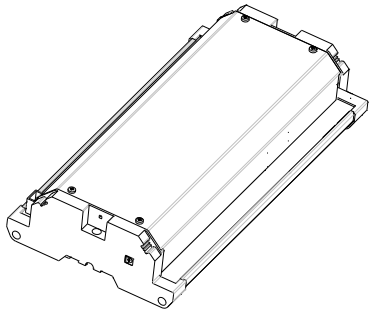


Fig. 17: Star wiring hub, 130.8100

Star wiring hub of maximum 10 system bus segments (LON). One individual room or even several components can be connected to each system bus segment.

Characteristics

- Connection of system bus and a maximum of 10 system bus segments
- Connection of a maximum of 31 nodes per 2 associated system bus segments
- System bus input is electrically isolated from the outputs for the system bus segments
- Pairs of system bus segments can be configured with jumpers (bus on/off, audio on/off, terminating resistor)
- LEDs and measuring points for fault diagnosis
- Power supply with 2 10 A power supply units (see also section 7.7.2 "Protective measures for the mains system" on page 72)

2.2.10 NC Switch, 24 ports (LAN)

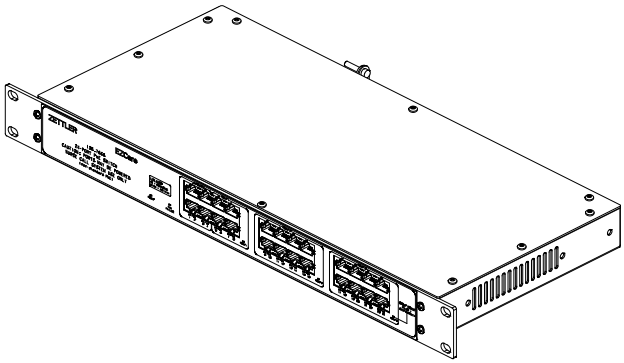


Fig. 18: NC Switch, 24 ports, 130.7660

NC Switch not for standard PoE components

The NC Switch is not suitable for standard PoE components.

The NC Switch, 24 ports has several functions:

- Connection of nodes by LAN cable.
- Power supply for connected nodes via LAN cable (see figure 2 on page 10). Components with standard PoE power supply cannot be connected.

  The power is supplied by connected power supply units.

  Ports 5 to 24 (divided into 3 groups) can be supplied with power. The power supply can be disabled using jumpers.

  Ports 1 to 4 have no power supply for data forwarding to the next NC Switch, PC workstation, PC with mediLog, TCP/IP gateway.
- Emergency call function (ECS):
  - If the connection to the main control unit fails, the NC Switch distributes all calls of connected nodes between them.
  - In emergency operation calls can be sent to the LON network via the connected room electronics and received from it via the universal I/O node.
  - If other NC Switches are connected, in emergency mode it forwards calls to them. A maximum of 6 NC Switches can be connected.
  - If the NC Switch is connected to an alarm system, this signals the calls of connected nodes in emergency operation.
- No programming required.
- Fan can be monitored separately.

2.2.11 Data line amplifier (LON)

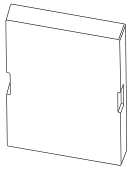


Fig. 19: Data line amplifier with galvanic separation (repeater) F1, 130.5110

Data line amplifiers are used to regenerate systems where a system bus with LON cabling has long cables. They are also used to divide the system bus into individual sections so that faults in a defined area can be limited to that area. Data line amplifiers with optical couplers are available for the electrically isolated connection of system bus segments; these are particularly suitable for connecting parts of the system which are a long distance away, e.g. spread among several buildings. The electrically isolated connection can protect the components of the call system - in combination with additional overvoltage protectors - against damage caused by lightning or similar influences.

2.2.12 LON router

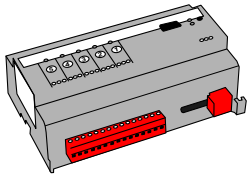


Fig. 20: LON Router, 5 ports, 130.9810

Routers work in a similar way to data line amplifiers. However, in larger call systems they also control the flow of data on the system bus. The efficiency of Care communications can be greatly increased if the individual nodes are relieved of unnecessary data traffic.

The system bus is normally divided into individual sections using routers if there are more than 200 nodes.

The LON router is not galvanically isolated.

2.2.13 LON radio clock

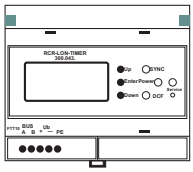


Fig. 21: LON radio clock, without antenna, 130.6501

A radio clock enables the exact time to be provided across the entire call system. The time is received from the DCF77 time signal transmitter.

2.2.14 Connection of a PC to the Care communications system

Connecting the TCP/IP gateways by LAN

If TCP/IP gateways that are connected to each other by a LAN are used as main control units, a PC can be connected direct to one of the LAN connections of the TCP/IP gateway.

Connecting the main control units by LON

If the main control units are connected to each other by a LON cable, a PC with an interface to the LON cable can be connected to the system bus.

The following components can be used as interfaces:

- Lonworks to PC (USB) interface (see figure 22)

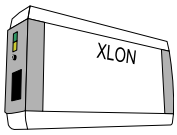


Fig. 22: Lonworks to PC (USB) interface, 130.9740

The following programs can be installed on the PC:

- mediGraph. Software for management and call processing in a call system, a station or a care group
- mediLog. Software for logging events
- mediPage. Software for configuring shifts and assigning pagers, DECT receivers and telephones
- NetInst. Software for assigning neuron IDs and MAC addresses to the relevant nodes on the system bus and for loading the configuration data which you created with the ZETLON configuration software into the nodes

2.2.15 Corridor display (LON)

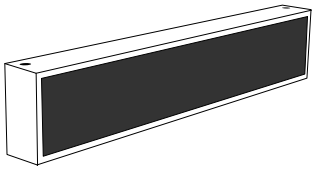


Fig. 23: SET - Corridor display, double sided, 138.5701S

The corridor display complements the station, group and follow-me directional lights. It displays the calls and their origin in clear text. Additional information can be presented as an option. The corridor display can replace the station and group lights if it is located centrally in an easily visible place.

2.2.16 Power supply units

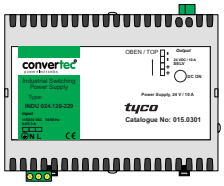


Fig. 24: Power supply 24 V / 10 A, 015.0301

The safety extra low voltage of 24 V DC (SELV) supplies primary-pulsed 6 A or 10 A power supplies with a high level of efficiency and automatic short-circuit current limiting. The components comply with the requirements of standards IEC/EN 60950-1 (VDE 0805-1). They are tailored to the requirements of call systems.

Uninterruptible power supplies (UPS) are available for buildings without an alternative power supply (e.g. diesel generators). These can bridge mains failures for at least 1 hour.

Station, care group and follow-me directional lights are normally operated using a separate 24 V AC power supply. The necessary safety extra low voltage is supplied by safety transformers complying with DIN EN 61558-2-6 (VDE 0570-2-6).

See also section 7.7 “Power supply” on page 72.

2.2.17 Telephone interface IP (LAN)

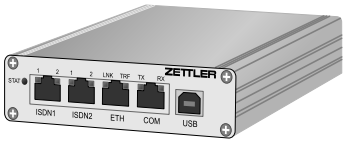


Fig. 25: Telephone interface IP, 131.5200

Interface to a telephone system so that the nursing personnel can use a telephone to answer calls, speak into rooms or make announcements.

If there is a connection to a PABX, nursing staff can also make calls to the public telephone network from components with a telephone function (e.g. NCS Touch, communication terminal Touch).

Characteristics

- The PABX provides a telephone interface IP with a call number range. The telephone interface IP can in turn be assigned up to 200 components of a Care communications system for this number range. The telephone interface then forwards calls to the receivers within the Care communications system.
- Call processing and announcements by telephone possible.
- 4 parallel digital audio connections, good speech quality.
- Connection to the Care communications system via LAN to a TCP/IP gateway.

- A telephone interface IP can be assigned to several TCP/IP gateways. However, a TCP/IP gateway can only be connected to one telephone interface IP.
- Interface to PABX: 2 S_0 or 4 SIP

  If connecting by ISDN, you need the SET - Telephone interface IP/ISDN instead of the telephone interface IP
- Input voltage range: via PoE injector

2.3 Answer stations without speech

2.3.1 Functions

There are a number of different answer stations without speech (displays) in Care communications. A range of components can be used for them.

Main answer station without speech (station display)

The main answer station without speech is used to display all calls and other information from the ward in the relevant care support point.

If there is *no* TCP/IP gateway in the station, a station answer station that can also be used as a main control unit must be used instead. See sections 2.3.3 “Universal LCD display (LON)” on page 23 and “Main control unit” on page 111.

Functions of a station answer station:

- Main control unit (if there is no TCP/IP gateway in the station)
- Main answer station of the station; in systems without speech, calls can only be deleted at the call line
- Display all calls and other information from the ward

Group answer station without speech

If a separate care support point can be assigned to a care group, the group answer station without speech that is located there displays all calls from this group. A variety of preprogrammed interconnections with other care groups or stations can be switched on and off via a function menu.

Central answer station without speech

The central answer station without speech is used to display all or just particular calls and other information of the entire call system.

The functions are as follows:

- Central answer station of the call system
- Display all calls or selected calls and other information from the call system
- Manage calls, presence messages, messages and faults of the call system
- Manage functions extending above and beyond actual light call operation

If used as a central answer station without speech, all the required information can be displayed at a central location.

Examples of use:
- Central display of faults in a service room
- Displays service calls in the kiosk
- Displays crash calls for the resuscitation team

Parallel answer station without speech

The parallel answer station without speech is used as an additional display device for particular calls and information at any point in the call system. Several parallel answer stations can be set up in a station.

2.3.2 PC answer station mediGraph without speech

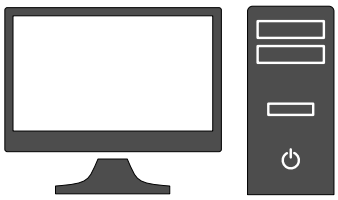


Fig. 26: PC answer station without speech

Characteristics

A PC answer station mediGraph enables the user to answer calls or selected calls and activate functions. All calls and messages of the call system are signalled graphically on a plan of the stations on the screen and can be processed there.

You can use the PC answer station mediGraph to process calls of a station or all calls of the call system.

Other software products for a PC answer station mediGraph are:
- mediPage: Convenient management of the receivers of a pager system, DECT systems and PABX systems for calls from Care communications. Shift management.
- mediLog: Logging of all events in Care communications and analysis and processing of the data in a database.

Possible uses

The PC answer station mediGraph without speech can be used as a:
- Group answer station without speech
- Central answer station without speech
- Parallel answer station without speech

The PC answer station mediGraph cannot monitor any nodes. This requires a main control unit.

Without special software, no more than 10 PCs can be connected to each other in a Windows network. If there are more PCs, you will need a Windows server.

2.3.3 Universal LCD display (LON)

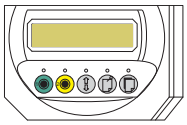


Fig. 27: SET - Universal LCD display, 138.3100S

Characteristics

The universal LCD display is intended to display calls at care support points and function rooms. It is used in conjunction with an LED light (with or without electronics). All calls from the call system, station or care group are shown on the display. If there are several calls, the individual calls can be displayed consecutively using a scroll button. Displayed calls can be stored. The presence can be set with two further buttons.

Possible uses

The universal LCD display can be used as a:
- Main control unit (if there is no TCP/IP gateway in the station)
- Main answer station without speech
- Group answer station without speech
- Central answer station without speech
- Parallel answer station without speech

2.3.4 Small room LCD node S1 (LON)

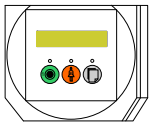


Fig. 28: SET - Small room LCD node pres./call/scroll S1, 138.1601S

Characteristics

The small room LCD node is intended for displaying calls in patient's rooms and function rooms and is used in conjunction with an LED light (with or without electronics). All calls from the station or care group are shown on the display. If there are several calls, the individual calls can be displayed consecutively using a scroll button. Two further buttons enable the presence to be set and calls to be made.

Possible uses

The small room LCD node S1 can be used as a:
- Group answer station without speech
- Central answer station without speech
- Parallel answer station without speech

2.3.5 Small room LCD node S2 (LON)

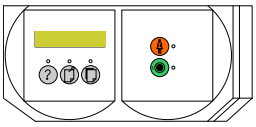


Fig. 29: SET - Small room LCD node pres./call & ans./store/ scroll S2, 138.1610S

Characteristics

The small room LCD node S2 is intended for the same applications as the small room LCD node S1, but offers much more user-friendly operation and is therefore also suitable for use as a group display. Calls can also be stored.

Possible uses

The small room LCD node S2 can be used as a:

- Group answer station without speech
- Central answer station without speech
- Parallel answer station without speech

2.4 Answer stations with speech

2.4.1 Functions

Answer stations with speech carry out the same functions as answer stations without speech (see section 2.3.1 “Functions” on page 22).

Other functions include:

- Establish voice contact with the call and then store or cancel the call (depending on the call category, see also section 2.6.5 “Cancelling calls” on page 30)
- Speak to any rooms (only from mediGraph, NCS Touch, communication terminal Touch)
- Speak to rooms with set presences
- Announcements

2.4.2 PC answer station mediGraph with speech

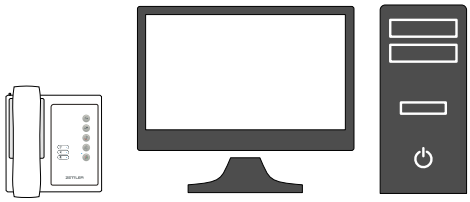


Fig. 30: PC answer station with speech

Characteristics

A PC answer station mediGraph enables the user to process calls or selected calls and activate functions. All calls and messages of the call system are signalled graphically on a plan of the stations on the screen and can be processed there.

You can use the PC answer station mediGraph to answer calls of a ward or all calls of the call system.

mediGraph offers all the functions of answer stations with speech (see section 2.4.1 “Functions” on page 24).

Other functions include:

- Speak to any rooms of the call system

Other products for a PC answer station mediGraph are:

- mediPage: Convenient management of the receivers of a pager system, DECT systems and PABX systems for calls from Care communications. Shift management.
- mediLog: Logging of all events in Care communications and analysis and processing of the data in a database.

Possible uses

The PC answer station mediGraph with speech can be used as a:

- Main answer station with speech
- Group answer station with speech
- Central answer station with speech
- Parallel answer station with speech

The PC answer station mediGraph cannot monitor any nodes. This requires a main control unit.

Without special software, no more than 10 PCs can be connected to each other in a Windows network. If there are more PCs, you will need a Windows server.

2.4.3 Nurse Control Station NCS Touch (LON)

Fig. 31: NCS Touch, Nurse Control Station with touch screen and audio, 130.3630

Characteristics

The NCS Touch (Nurse Control Station) is used as a convenient answer station in a station or care group. It offers all the functions of answer stations with speech (see section 2.4.1 “Functions” on page 24) or a main answer station. The NCS Touch cannot be used as a main control unit.

Other functions include:

- Make voice contact with any rooms in the call system
- Listen in to the room
- Telephone (depending on the configuration)
- Assign a room to a care group

Possible uses

The Nurse Control Station NCS Touch can be used as a:

The NCS Touch answer station can be used as:

- Main answer station with speech
- Group answer station with speech
- Central answer station with speech
- Parallel answer station with speech

2.4.4 Communication terminals

The communication terminals, which come in different versions, can be used for voice communication in the patient's rooms and function rooms.

Communication terminal Touch (LON or LAN)

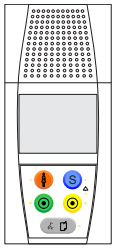


Fig. 32: Communication terminal Touch LAN, 130.7521

The communication terminal Touch contains the components required for voice communication as well as a touch screen and 5 buttons: for making calls, presence 1 and 2, answer, store. The function of a button can be configured.

Properties:

- Speak to all rooms with active presences and rooms with stored calls
- Speak to any rooms or beds of the call system
- Display all calls, messages, stored calls and presences. The background colour of the display changes according to the call category, e.g. nurse emergency call with red background, crash call with blue background
- Answer all calls and messages
- Announcement to the entire call system, the particular station, a care group in the station and presences
- Telephone
- Intuitive menu control with touchscreen
- Electronics for control and evaluation:
  - 6 equivalent, freely configurable call lines for connection of call and cancel panels for bed, room or wet cells
  - Control and evaluation of a 6-colour LED light
  - Integrated RFID receiver, compliant with ISO/IEC 15693
  - Control of an external loudspeaker, e.g. for the wet cell
- Variants for connection by LAN and LON.
- For vertical mounting with mounting frame with terminal board on a round flush mounting box R2 or E2 or surface mounting box

2.4.5 Cell terminal

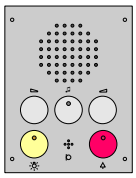


Fig. 33: Cell terminal, with call button, light button and radio (CB/LB/RF), 135.2032

A patient can use the cell terminal to make calls and speak to the nursing staff. Depending on the version, he can also switch the light on/off and control the radio programme.

The cell terminal is connected to an LED light, multi-colour, or to a room electronics that forwards the calls. This electronics then controls the lamps of an LED light.

Variants of the cell terminal

The cell terminal is available in a number of variants:

- Cell terminal, with call button, stock code number 135.201x
- Cell terminal, with call and light button, stock code number 135.202x
- Cell terminal, with call button, light button and radio, stock code number 135.203x

Characteristics

- IP code: IP 54 (dust protected and splash water protected).
- Vandal resistant front panel of V2A steel with three-punch screws.
- Vandal resistant red piezo call button with reassurance light (LED).
- Good speech quality through 2.5" speaker, Elektret microphone.
- 1 light button, directly controllable. The room light can also be connected to the electronics by means of a latching relay. A second light button is possible as a special version. The connection on the PCB is already prepared.
- 4 monitored call lines.
- 2 galvanically isolated inputs (optocouplers).
- 2 galvanically isolated outputs (relays).
- Connection for 2 internal sabotage switches for monitoring the front panel.
- Connections for 5 radio channels.
- In buttons without a pilot LED a short peep is given as confirmation when the button is pressed.

- Noise monitoring (Dormophon) in cell terminals with light button.

  Noise monitoring can be enabled or disabled using the ZETLON configuration software.

  A call is triggered in the event of a noise. If presence is set an emergency call is triggered. The sensitivity of noise monitoring can be adjusted.

2.5 Components for location and identification

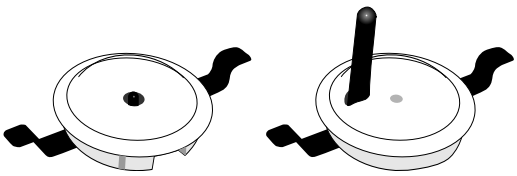
2.5.1 Overview

In Care communications people and devices can be located and identified with infrared and radio signals:

- Transmitters transmit a signal with information.
- The signal is received by an addressable infrared or RF sensor that is connected to a tracking controller or a room electronics with RFID.
- The tracking controller and the room electronics with RFID forward the information about the transmitter to other components in the Care communications system.
- The information about the transmitter and the tracking controller or room electronics with RFID is analysed and can be used in a variety of applications (see section 2.5.3 "Applications with VL Infrared and RF sensors" on page 26).
- A care communications server manages the information, stores the events and sends control commands to the Care communications system.

2.5.2 Components

VL Infrared and RF sensors



VL Infrared sensor, low range, 125.4305

VL RF sensor 125.4310

Fig. 34: VL Infrared and RF sensors

The following addressable sensors are available for the location and identification of personal and asset tags:

- VL Infrared sensor

  The infrared sensor receives the infrared signals of the universal tags and converts them into electrical signals. These are transmitted to the tracking controller or the room electronics with RFID via RS-485.

  The infrared signal cannot penetrate objects or walls. This means that infrared sensors only receive signals from the same room. Depending on where the infrared sensor is positioned, signals may also be received only from a bed. This allows infrared tags to be located to the exact room or bed. The infrared signal can be compared to that of infrared remote controls. The maximum range is 22 m for high-range sensors and 12 m for low-range sensors (depending on the circumstances).
- VL RF sensor

  The RF sensor receives the radio signals (frequency 433.92 MHz) of the universal tags and converts them into electrical signals. These are transmitted to the tracking controller or the room electronics with RFID via RS-485.

  Radio signals are used to transmit status and call information. As radio signals can also penetrate walls, RF tags can be in a different room to the sensor. They do not have to be within sight of a sensor. The range is 15 to 25 m (depending on the circumstances).

  If the infrared signal is blocked and only the radio signal is received by an RF sensor, the applications use the last known position of the tag.

VL Universal tag

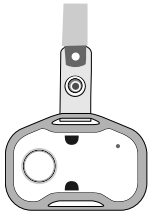


Fig. 35: VL Universal tag, with emergency call, infrared/RF, white, 125.4330

The universal tags transmit infrared and radio signals to the infrared and RF sensors. These signals contain the unique address of the tag, the status of the tag (e.g. active alarm call), the category (e.g. presence 1) and the battery status (e.g. battery full).

The tags have a motion sensor that controls the transmission interval of the infrared signals. If the tag is at rest, the transmission interval is longer than when it is in motion. This increases the battery life.

2.5.3 Applications with VL Infrared and RF sensors

Automatic presence and automatic registration

When people with a universal tag with category presence or doctor enter a room which has an infrared sensor, they are registered in this room. The presence is set automatically according to the category. When they leave the room, the registration and the presence are cancelled automatically.

Staff emergency call / patient emergency call

Universal tags with an emergency call button allow people to make an emergency call. The freely configurable universal tags can be assigned both to hospital staff and to patients. If the emergency call button is pressed, the call is displayed within the Care communications system and can be answered. The location of the person making the call is also displayed.

Location of inventory / inventory management

Assets or inventory with a universal tag can be located at any time. To facilitate the procedure, e.g. the six-monthly servicing of assets, the assets to be serviced can be displayed automatically with their current location. This eliminates time-consuming searches.

2.5.4 Planning

System design

The infrared and RF sensors are connected to a tracking controller or a room electronics with RFID by a 4-wire lead (RS-485). The tracking controller or the room electronics with RFID transmits the information to the main control unit via the system bus. A care communications server manages the information, stores the events and sends control commands to the Care communications system.

Arrangement of infrared sensors

Note the following rules when arranging infrared sensors (see also figures 36 on page 27 and 37 on page 27):

- Sensors are mounted on the ceiling.
- Infrared sensors require a direct visual connection to the universal tags they are to register.
- Universal tags in the corridor must not have any direct visual connection to infrared sensors in the room.
- Sensors near the doors are sufficient to cover an area.
- The reception ranges of adjacent infrared sensors should not overlap. The recommended spacing for sensors with a high range is 15 m, for sensors with a low range 8 m.
- Sunlight, other light sources or plasma televisions transmit infrared light and can interfere with infrared sensors. Infrared sensors should therefore be mounted so that sunlight, other light sources or the radiation of a plasma television do not shine into the infrared sensor.
- Devices that transmit electromagnetic radiation and smoke alarms can interfere with infrared sensors. Infrared sensors should not therefore be mounted near other electrical devices or smoke alarms.

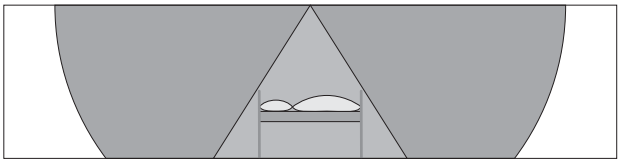


Fig. 36: Arrangement of infrared sensors, view from the side The range can be further restricted with focus rings.

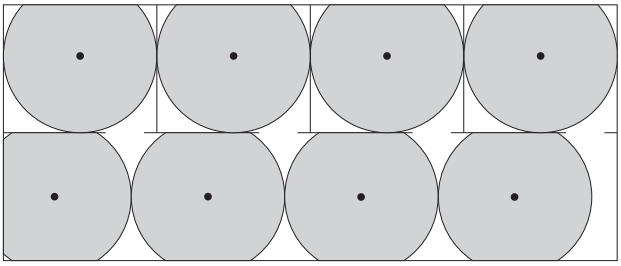


Fig. 37: Arrangement of infrared sensors, view from above

Arrangement of RF sensors

- RF sensors receive the radio signals from all parts of the room. The reception range depends on the environment and is 15 to 25 m.
- The reception ranges of adjacent RF sensors should overlap. They should therefore be mounted at an interval of approx. 20 m.

Care of tags

Note the following rules for the tags:

- Appoint someone to be responsible for the tags and oversee the storage and issuance of the tags.
- To prolong the life of the battery, store the tags in such a way that they are moved as little as possible.
- Attach the tags so that they are not covered. The tags need visual contact with the infrared sensors.

2.6 Functions

Not only does Care communications satisfy the minimum requirements of the DIN VDE 0834 standard, it also offers many additional features that make operation considerably easier. The properties described here correspond to the standard settings in the delivery state. However, these can be modified in many different ways and adapted to the local requirements during installation and at any time thereafter.

With the exception of those necessitated by the speech facility, the functions in call systems with and without speech are almost identical. Attention is drawn to any differences.

2.6.1 Setting presence

Care communications offers two presence categories. This enables two groups of people to be distinguished, e.g. service personnel and nursing staff.

Either colour coding or display text can be used to make a clear distinction between the two presence categories on all displays. Certain call categories can be sent exclusively to a specific presence category.

The presence is set on entry into a room and cancelled again on exiting. The presence can be set and cancelled in a number of ways:

- With a presence button
- Wirelessly with an RFID tag
- Automatically with universal transmitters on entry into or exit from a room

The presence must be set conscientiously if the call system is to operate properly. The location of the nursing staff can only be determined with Care communications if the presence is marked. Only in that way can calls be processed, forwarded and displayed correctly.

Presence messages are required:

- At the answer stations
- In the rooms

Presence at the answer station

Only if the presence is set can calls be processed at the answer station. If the presence is not set, the answer station is regarded as unstaffed.

Presence in the room

If the nursing staff set the presence in a room, the following functions are activated:

- With call forwarding, calls are signalled acoustically in all rooms with a set presence.
- Emergency calls can only be triggered if a presence is set (except for diagnostic calls).
- The presence is displayed on all answer stations and on the LED light. This enables a nurse to be tracked from room to room.

2.6.2 Making calls

Calls are made by pressing the call button on the call components, e.g. patient's handsets, call interconnections or WC pull cord panels. On the cell terminal with light button, a call can also be triggered by the noise monitoring system (Dormophon).

The user can see that the call has been made by the reassurance light in the call component illuminating. This light is a dedicated light for calls. The reassurance light flashes as soon as the call is stored (see section 2.6.6 "Storing calls" on page 30).

If the call button is pressed at the same time as the presence is set, an emergency call is triggered. On some call buttons, a call can only be made if the presence is set.

2.6.3 Call text and call category

Explanation

Each call is assigned its own call text that is shown on the displays.

The call texts are assigned in turn to call categories. The call category determines how a call is signalled. The call categories and the call texts required for the particular building can be set during configuration.

You can use the ZETLON configuration software at any time later on to change the following without modifying or replacing the components:

- Call texts
- Assign the call text and call category for all call lines

Table 2 on page 28 gives an overview of the possible call texts and the call categories to which they are assigned in the standard configuration. They are available in call systems with and without speech.

Call texts and call categories which are not assigned in the standard configuration are shown in section "Other possible call texts and call categories" on page 28. Each call text can be assigned to any call category and can be used for any call.

Call text	Assigned to call category
Call text is the name of the fault	Fault
Call text is the name of the fault	Light call fault
Patient call WC call Plug removed call	Call (compliant with DIN VDE 0834)
Nurse emergency call WC emergency call Diagnostic call	Emergency call (compliant with DIN VDE 0834)
Doctor emergency call	Doctor emergency call
Crash call	Crash call (alarm compliance with DIN VDE 0834)

Table 2: Call texts and the call categories to which they are assigned in the standard configuration
The call texts are displayed differently depending on the display.

Other possible call texts and call categories

Other possible call texts which are not assigned in the standard configuration:

- Telephone call
- Service call (special call)
- Staff call
- Infusion call
- Patient call priority 2
- Patient call priority 3
- Fire alarm (special emergency call)

- Assistance call
- Information 1/2/3/4
- Message 1/2/3/4/5

The call texts are displayed differently depending on the display.

Other possible call categories which are not assigned in the standard configuration:

- Telephone call
- Message
- Call without call forwarding
- Emergency call message
- Emergency call without call forwarding
- Alarm call

Display of care group or station

Care communications displays the care group when a call is received from the same station. Care communications displays the station when a call is received from another station.

This also applies for calls displayed on pagers within a pager system.

2.6.4 Explanation of the call texts

Each call text can be assigned to any call category. Many call texts and call categories are not yet assigned in the standard configuration. However, you can still use them for any call.

Each call can be assigned any desired call priority. If calls of equal value are received, Care communications displays the call with a higher call priority first.

The call texts and categories required by DIN VDE 0834 are marked with a star (*) in the following list.

The call texts are displayed differently depending on the display.

Telephone call, call category telephone call

When the telephone rings in the care support point room of the station or care group, the call is forwarded to all rooms of the station or care group which have a set presence.

Overriding is by means of a telephone call relay. In ISDN systems an analogue extension station is required, or alternatively a telephone with additional bell output or a voltage-free switching contact.

Patient call, call category call *

The patient call is the call of the patient and enables him to request the assistance of medically qualified nursing staff. The patient call is made on the red call buttons with the nurse symbol on the call components.

Staff call, call category not specified

The staff call enables the nursing staff to request particular services, e.g. transport or cleaning. It is triggered by means of special panels which are clearly marked as staff call panels. This call can only be made with a set presence.

WC call, call category call *

The WC call enables the patient in the bathroom or WC to request medically qualified assistance. The call is made on the call components provided for that purpose.

The WC call is also signalled in the patient's own room via the call forwarding function.

Service call (special call), not assigned to any call category

The service call enables the patient to call people for particular non-medical services, e.g. to provide drinks. The call is made using a special call button.

Plug removed call, call category call *

This call is made automatically as soon as the plug for a component making the call (patient's handset) is removed. The call category is only available if components with the corresponding electronics are used in the room. If the presence is set, no call is initiated.

Nurse emergency call, call category emergency call

The nurse emergency call enables the nursing staff to request the assistance of other medically qualified nursing staff in the event of an emergency. The call can be made using any call buttons for the patient call if the presence was set beforehand.

WC emergency call, call category emergency call *

The WC emergency call enables the nursing staff in the bathroom or WC to request the assistance of other medically qualified nursing staff in the event of an emergency. The WC emergency call can be made using the call components for the WC call if the presence was set beforehand.

Diagnostic call, call category emergency call

This emergency call is triggered automatically by the indicator contacts of specialist medical equipment monitoring vital functions.

Infusion call, not assigned to any call category

The infusion call is triggered by the indicator contact of certain special medical devices such as infusion pumps. If presence is set the call is temporarily suppressed. This call is not an emergency call.

Patient call priority 3, not assigned to any call category

The ZETLON configuration software can be used to specify that calls from particular rooms are given a higher call priority. If there are equivalent calls, Care communications then shows a call from this room first.

Doctor emergency call, call category doctor emergency call

This emergency call enables the nursing staff to alert the duty doctor directly in the event of a medical emergency. The call is made using special call buttons provided for that purpose and is only possible with presence set.

Fire alarm (special emergency call), not assigned to any call category

The fire alarm call is used in addition to the fire alarm system to alert all nursing staff directly in the event of a fire. This call category cannot and should not replace any fire alarm system. However, the clear and immediate alerting of the nursing staff means that valuable minutes can be gained, time which can sometimes make the difference between life and death.

The call is generated automatically by the fire-alarm call points in the rooms.

Crash call, call category crash call *

The crash call enables the nursing staff to alert the resuscitation team directly if a patient suffers a heart attack or stops breathing. The call is made using the call panels provided for that purpose and does not depend on the presence.

2.6.5 Cancelling calls

Call systems without speech

In call systems without speech calls can only be cancelled finally at the call line. The presence must be set for this to happen. The reassurance light in the component making the call stays lit, however, until the presence is cancelled again. This makes it easy to locate the patient who called in rooms which have several call components.

Calls can be stored on the displays. Stored calls are automatically repeated after a defined period of time if they have not been cancelled first. A crash call cannot be stored.

The list of stored calls can be viewed on the main answer station at any time.

Faults and messages can only be acknowledged.

Call systems with speech

In call systems with speech, calls can be answered at all answer stations and subsequently either cancelled or stored, depending on the call category and configuration.

Emergency calls are stored automatically on answering. They must be cancelled at the call line. This can also be changed using the ZETLON configuration software.

In prisons security reasons mean that emergency calls must be stored first before they can be cancelled at the location. In psychiatric hospitals this can be modified using the ZETLON configuration software.

A crash call cannot be stored.

Stored calls are automatically repeated after a defined period of time if they have not been cancelled first.

The list of stored calls can be viewed on the main answer station at any time.

Faults and messages can only be acknowledged.

To cancel a call locally, the presence must normally be set there. The reassurance light in the component making the call stays lit, however, until the presence is cancelled again. This makes it easy to locate the patient who called in rooms which have several call components.

Special cases of call cancelling

- If several calls have been made in a room, these are not cancelled immediately by setting the presence. Instead, the acoustic call forwarding signals to the nurse that there are multiple calls in the room.

  The audio signal is switched off and all calls from this the room are cancelled by setting the presence again. However, the presence remains set and the reassurance lights at the call lights are lit.

  Since the reassurance lights only illuminate where a call has been made, the patients who called can be located easily. The reassurance lights go out again when the presence is cancelled.
- The call system can be configured in such a way that WC calls can only be cancelled on a separate WC reset panel. This means that it will no longer be possible to cancel calls using the presence button.

2.6.6 Storing calls

If a call cannot be processed immediately, the nurse can store it on the main answer station and deal with it later. Emergency calls are stored automatically when answered. Alarm calls cannot be stored.

Care communications automatically repeats a stored call after a defined period of time.

Stored calls can be identified by the flashing presence lamp in the LED light and on the LED of the presence button. These act as reminders for the nursing staff.

They are cancelled like unstored calls when the presence is set.

As soon as the nursing staff store a call, this is indicated to the patient by the flashing reassurance light in the call component. He then knows that his call was identified and received by the staff.

2.6.7 Call signalling and presence messages

Calls are displayed optically on the LED lights by a red light, and on the main, group and follow-me directional signal lamps by a white light. WC calls are additionally identified on the LED light by a white light. Answer stations display calls in clear text. mediGraph displays calls on the graphic interface.

A set presence is indicated by a green or yellow light on the LED light and by the LED of the presence button. A list of the set presences can be called up on the main, group and parallel answer stations.

Calls are acoustically signalled by being forwarded to all rooms of the group or station with a set presence. The volume can be set at 3 levels on the main answer stations, e.g. for daytime and night-time operation.

Signalling the calls in the system:

- DIN VDE 0834
  Table 3 on page 32
  Table 4 on page 33
  Table 5 on page 34
- HTM 08-03
  Table 6 on page 35
  Table 7 on page 36
  Table 8 on page 37
  Table 9 on page 38

Volume of acoustic call forwarding

Among other ways, calls are signalled by acoustic call forwarding to rooms with a set presence. At a distance of 2 m the sound pressure level is between 45 and 65 dBA.

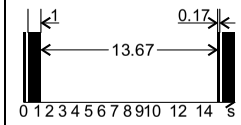
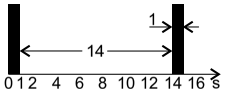
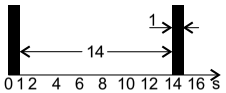
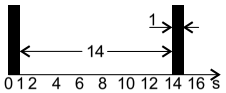
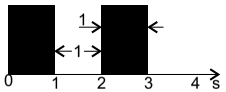
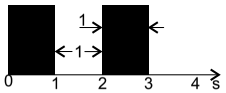
Call category	Reassurance light	LED light	Other lights [a]	Acoustic call forwarding	Devices with a display	Corridor display	Pager system, DECT
Telephone call	Constant light	Constant light on the telephone call lamp	Constant white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Normal call, e.g. patient call, service call, plug removed call, infusion call	Constant light	Constant red light	Constant white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
WC call	Constant light	Constant red and white light	Constant white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Normal call, e.g. staff call	Constant light	Constant red and green light	Constant white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Emergency call, e.g. diagnostic call, fire alarm, special emergency call	Constant light	Flashing red light 	Flashing white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system

Table 3: Signalling in accordance with ***DIN VDE 0834***
If the call location is the WC, the white WC lamp in the LED light also illuminates.

a – Station, group, directional follow-me light.

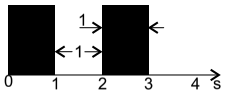
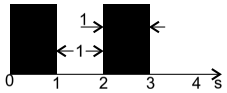
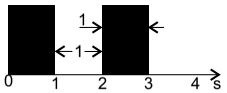
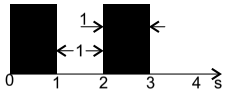
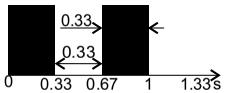
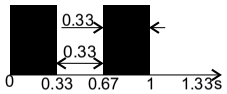
Call category	Reassurance light	LED light	Other lights [a]	Acoustic call forwarding	Devices with a display	Corridor display	Pager system, DECT
Emergency call, e.g. nurse emergency call, doctor emergency call	Constant light	Red flashing light  Constant green light	Flashing white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
WC emergency call	Constant light	Flashing red light  Constant white and green light	Flashing white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Crash call	Constant light	Rapid red or blue flashing light  Constant green light	Rapid white flashing light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Presence 1	Constant light	Constant green light	No optical signalling	No call forwarding	Display in lists	Display possible	No signalling
Presence 2	Constant light	Constant yellow light	No optical signalling	No call forwarding	Display in lists	Display possible	No signalling

*Table 4: Signalling in accordance with **DIN VDE 0834***
If the call location is the WC, the white WC lamp in the LED light also illuminates.

a – Station, group, directional follow-me light.

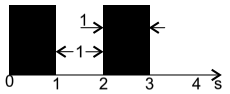
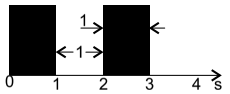
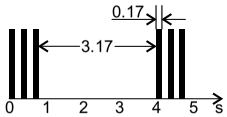
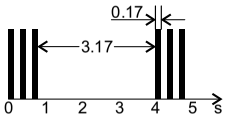
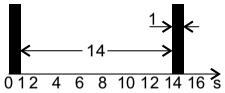
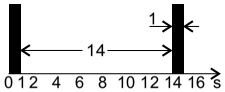
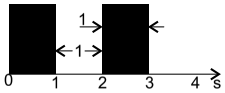
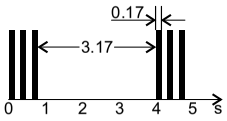
Call category	Reassurance light	LED light	Other lights [a]	Acoustic call forwarding	Devices with a display	Corridor display	Pager system, DECT
Stored call	Flashing light	Flashing green light 	No optical signalling	No call forwarding	Display in lists	No signalling	No signalling
Stored WC call and WC emergency call	Flashing light	Green flashing light  Constant white light	No optical signalling	No call forwarding	Display in lists	No signalling	No signalling
Fault, light call fault, emergency call fault		With call line WC white: 	No optical signalling		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Message	Constant light	Constant red light, with call line WC also constant white light	No optical signalling		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Emergency call message	Constant light	Flashing red light, with call line WC also constant white light	No optical signalling		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Call forwarding to own room	No optical signalling	No optical signalling	No optical signalling		No signalling	No signalling	No signalling

Table 5: Other signalling
If the call location is the WC, the white WC lamp in the LED light also illuminates.

a – Station, group, directional follow-me light.

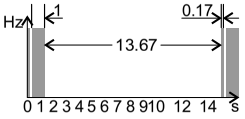
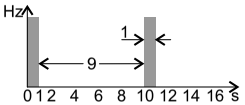
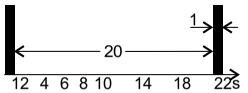
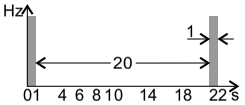
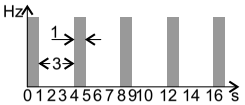
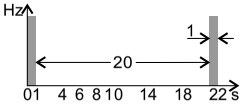
Call category	Reassurance light	LED light	Other lights [a]	Acoustic call forwarding	Devices with a display	Corridor display	Pager system, DECT
Telephone call	Constant light	Constant light on the telephone call lamp	Constant white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Normal call, e.g. patient call, service call, plug removed call, infusion call	Constant light	Constant red light	Constant white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Normal call without call forwarding (HTM 08-03: controlled drugs cupboard)	Constant light	Slow red flashing light 	Constant white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
WC call	Constant light	Constant red and white light	Constant white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Normal call, e.g. staff call	Constant light	Constant red and green light	Constant white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system

Table 6: Signalling in accordance with ***HTM 08-03***
If the call location is the WC, the white WC lamp in the LED light also illuminates.
With acoustic call forwarding Hz indicates the pitch.

a – Station, group, directional follow-me light.

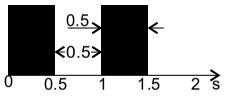
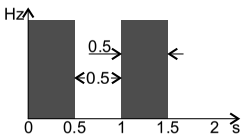
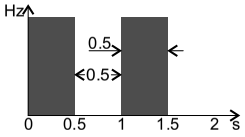
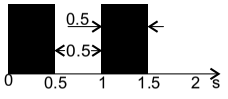
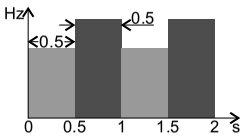
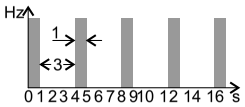
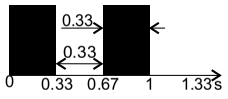
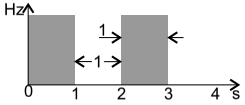
Call category	Reassurance light	LED light	Other lights [a]	Acoustic call forwarding	Devices with a display	Corridor display	Pager system, DECT
Emergency call, e.g. diagnostic assistance call	Constant light	Flashing red light 	Flashing white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Emergency call, e.g. nurse emergency call	Constant light	Red flashing light, constant green light	Flashing white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Emergency call, e.g. doctor emergency call	Constant light	Red flashing light  Constant green light	Flashing white light	Two-tone signal 	Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
WC emergency call	Constant light	Flashing red light, constant white and green light	Flashing white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Alarm call, e.g. fire alarm, special emergency call	Constant light	Flashing red light 	Flashing white light		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system

Table 7: Signalling in accordance with ***HTM 08-03***
If the call location is the WC, the white WC lamp in the LED light also illuminates.
With acoustic call forwarding Hz indicates the pitch.

a – Station, group, directional follow-me light.

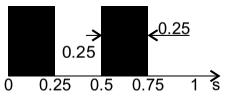
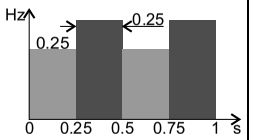
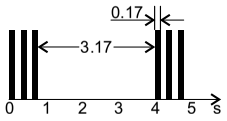
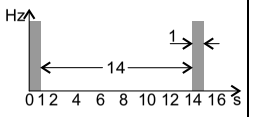
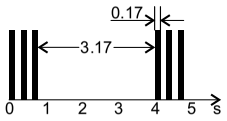
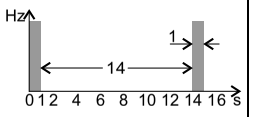
Call category	Reassurance light	LED light	Other lights [a]	Acoustic call forwarding	Devices with a display	Corridor display	Pager system, DECT
Crash call	Constant light	Rapid red flashing light  Constant green light	Rapid white flashing light	Two-tone signal 	Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Presence 1	Constant light	Constant green light	No optical signalling	No call forwarding	Display in lists	Display possible	No signalling
Presence 2	Constant light	Constant yellow light	No optical signalling	No call forwarding	Display in lists	Display possible	No signalling
Stored call	Flashing light	Flashing green light	No optical signalling	No call forwarding	Display in lists	No signalling	No signalling
Stored WC call and WC emergency call	Flashing light	Green flashing light, constant white light	No optical signalling	No call forwarding	Display in lists	No signalling	No signalling
Fault		No optical signalling	No optical signalling		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Light call fault		Constant red light, with call line WC white instead	No optical signalling		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system

*Table 8: Signalling in accordance with **HTM 08-03***
If the call location is the WC, the white WC lamp in the LED light also illuminates.
With acoustic call forwarding Hz indicates the pitch.

a – Station, group, directional follow-me light.

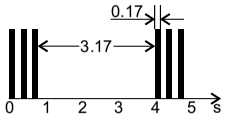
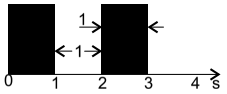
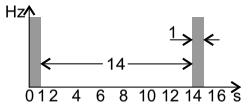
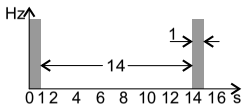
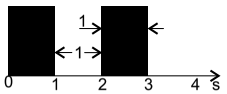
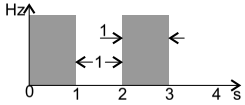
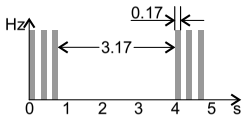
Call category	Reassurance light	LED light	Other lights [a]	Acoustic call forwarding	Devices with a display	Corridor display	Pager system, DECT
Emergency call fault		Red flashing light, with call line WC white instead: 	No optical signalling		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Message	Constant light	Constant red light	No optical signalling		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Emergency call message	Constant light	Flashing red light 	No optical signalling		Call text and call line are displayed	Call text and call line are displayed	Depends on the type of system
Call forwarding to own room	No optical signalling	No optical signalling	No optical signalling		No signalling	No signalling	No signalling

*Table 9: Signalling in accordance with **HTM 08-03***
If the call location is the WC, the white WC lamp in the LED light also illuminates.
With acoustic call forwarding Hz indicates the pitch.

a – Station, group, directional follow-me light.

2.6.8 Signalling at answer stations with speech and displays

At answer stations with speech and at displays calls are displayed alphanumerically. The following information is provided:

- Call text
- Station or group designation
- Room designation (room number)
- Call line in the room
- If no call is indicated, Care communications can display the time. This requires the LON radio clock.

If there are several calls at the same time, the most important is displayed first. The others are put in a call list which you can scroll through by pressing a button. If a call is cancelled or stored, the next most important call is automatically displayed.

Calls are forwarded acoustically using the same signals as in the rooms.

Stored calls, set presences, faults and other messages are put into lists; again, you can scroll through them just like the call list.

On the corridor display information is shown in abbreviated form with up to 10 characters. In the standard configuration 3 of these characters are used for the call text and 6 for the room designation. This apportionment can be adapted to local circumstances as required. Text can be scrolled vertically or run horizontally.

2.6.9 Interconnections

Stations and/or care groups frequently have to be interconnected to form larger organisational entities at certain times of operation, e.g. during the night. Care communications allows 12 different interconnections to be created for each main answer station. These are stored and can then be activated individually as required.

There are virtually no limits to the possible interconnections. You can, for instance, combine any 2 stations into a new care entity. This new care entity behaves like a single large station in terms of how calls are signalled and processed. However, the original designations of the stations and care groups are still shown on the signal lights and displays, as any change could lead to mistakes being made.

2.6.10 Station call forwarding

Care communications forwards a call which the nursing staff were unable to process within a defined period of time to other stations, care groups or "nodes" (components). This can be specified using the ZETLON configuration software.

2.6.11 Other functions in call systems with speech

Call systems with speech offer the following additional features:

- Call answering

  Lifting the handset at the main answer station automatically establishes voice communication with the caller if there is a communication terminal with speech facility at the place where the call is being made. This call can then be optionally cancelled or stored, depending on the call category and the configuration. Emergency calls are stored automatically. See also section 2.6.6 “Storing calls” on page 30.

  The communication terminal Touch offers the option of parallel answering.
- Automatic breaking

  Every voice communication is broken automatically after a certain set period of time. This means that the channels of communication are not blocked if someone forgets to replace the handset at the end of any voice communication. The call is stored automatically.
- Making voice contact with any room (only mediGraph, NCS Touch, communication terminal Touch)
- Making voice contact with a room with presence

  It is possible to speak directly to any room which has a communication terminal and a set presence.
- Announcements

  The nursing staff can make an announcement at any answer station with speech. The announcement interrupts all existing voice contact. Calls whose voice contact has been interrupted are stored automatically for safety reasons. This allows them to be answered again later.

  The target of the announcement can be set on the menu of the answer station:
  - All rooms in all stations (“general announcement”)
  - All rooms in the station
  - Rooms in the station with presence
  - All rooms in a care group of the station

  During an announcement there is one-sided voice contact towards the room. It is not possible to tap the room.
- Noise monitoring (Dormophon) in cell terminals with light button

  Noise monitoring can be enabled or disabled using the ZETLON configuration software.

  A call is triggered in the event of a noise. If presence is set an emergency call is triggered. The sensitivity of noise monitoring can be adjusted.
- Telephoning (NCS Touch only, communication terminal Touch, depending on the configuration, telephone interface IP required)

- Number of voice connections
  - With LON cabling between the main control units of the station

    A maximum of one voice contact is possible in a station. A maximum of 4 simultaneous cross-station voice communications are possible in a Care communications system.
  - With LAN cabling between the main control units of the station

    Voice contact between stations via VoIP. A maximum of 2 connections between stations per TCP/IP gateway is possible.

    In a station a maximum of 5 analogue audio connections is possible. There is also 1 analogue audio connection for central answer stations.

2.7 Mounting the communication terminals

Modules of the communication terminal can be mounted in a number of ways. The next sections provide an overview.

Module on surface mounting frame S1

To mount a module of a communication terminal in an installation box, you need the following:

- VL Surface mounting frame S1 127.4200

See figure 38.

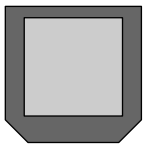


Fig. 38: Communication terminal module with surface mounting frame S1

The surface mounting frame S1 allows you to mount the modules in installation boxes of different manufacturers. Table 10 gives an overview of manufacturers.

Country	Manufacturer	Installation box
Germany, Austria, Belgium		Round mounting box to DIN 49073-1 for flush mounting, cavity wall and concrete
Germany, Austria, Belgium		Flush mounting box E1 for brickwork, cavity wall and poured concrete
France	Legrand	89165, 89500
Great Britain	Appleby	Flange box
Great Britain	MK	861 ZIC, 866 ZIC, 877 ZIC
Netherlands	Attema	U 40
Switzerland	Ammer	L 621
Switzerland	HSB	L 8317
Switzerland	Reichle	L 3651
Spain	Unknown	576, 625

Table 10: Mounting of a module with surface mounting frame S1 in an installation box

Table 10: Mounting of a module with surface mounting frame S1 in an installation box (cont.)

Two modules on surface mounting frame S2

To mount two modules of a communication terminal in an installation box, you need the following:

- VL Surface mounting frame S2 127.4210

See figure 39.

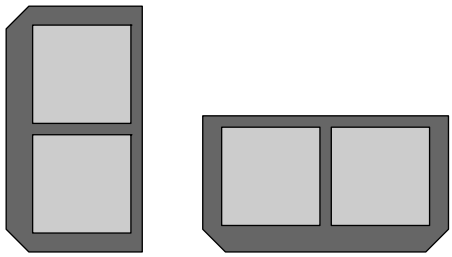


Fig. 39: 2 communication terminal modules with surface mounting frame S2

The surface mounting frame S2 allows you to mount the modules in installation boxes of different manufacturers. Table 11 gives an overview of manufacturers.

The location of the device fixing screws must be noted when fitting the installation boxes.

Country	Manufacturer	Installation box
Germany, Austria, Belgium		2 round mounting boxes to DIN 49073-1 for flush mounting, cavity wall and concrete, axis distance 71 or 91 mm
Germany, Austria, Belgium		Double round mounting boxes to DIN 49073-1 for flush mounting or cavity wall, axis distance 71 or 91 mm
Germany, Austria, Belgium		Flush mounting box E2 for brickwork, cavity wall and poured concrete

Table 11: Mounting of two modules with surface mounting frame S2 in installation boxes

Country	Manu-facturer	Installation box
Switzerland	HSB	2 installation boxes L 8317, in series
France	Legrand	2 installation boxes 89165, 89500, axis distance 71 or 91 mm
Spain	Unknown	2 installation boxes 576, 625, axis distance 71 or 91 mm
Netherlands	Attema	2 installation boxes U 40, axis distance 71 or 91 mm
Great Britain	MK	2 installation boxes 861 ZIC, 866 ZIC, 877 ZIC, axis distance 71 or 91 mm
Great Britain	Appleby	2 installation boxes Flange box, axis distance 71 or 91 mm

Table 11: Mounting of two modules with surface mounting frame S2 in installation boxes (cont.)

Mounting directly on the surface

Communication terminal modules can be mounted directly on the surface without an installation box. The cable duct can be approached from all 4 sides of the device.

2.8 Medicall 800 device overview

Flush mounting box E1 (brickwork)		**001.11**
Flush mounting box for concealed mounting in brickwork.	**Technical data** ■ Thermoplastic ■ With plaster protector ■ Dimensions (WxHxD): 88 x 89 x 47 mm	

Flush mounting box E2 (brickwork)		**001.12**
Flush mounting box for concealed mounting in brickwork.	**Technical data** ■ Thermoplastic ■ With plaster protector ■ Dimensions (WxHxD): 88 x 145 x 47 mm	

Flush mounting box E1 (cavity wall)		**001.150**
Flush mounting box for concealed mounting in cavity walls.	**Technical data** ■ Thermoplastic ■ Fire resistant to 850 °C ■ Dimensions (WxHxD): 76 x 81 x 47 mm ■ Wall cutout (WxH): 78 x 83 mm	

Flush mounting box E2 (cavity wall)		**001.160**
Flush mounting box for concealed mounting in cavity walls.	**Technical data** ■ Thermoplastic ■ Fire resistant to 850 °C ■ Dimensions (WxHxD): 76 x 137 x 47 mm ■ Wall cutout (WxH): 78 x 139 mm	

Group light, 2 way — 010.14

Group light.

Characteristics

- For the group or tertiary display of normal calls, emergency calls and special calls such as fire alarms, telephones, front doors etc.
- Triangular opal white plastic diffuser, with 2 luminous fields, for accommodation of translucent label films
- For mounting in a flush mounting box E1

Technical data

- Dimensions (WxHxD): 90 x 90 x 75 mm
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating

Components

- Screw terminals
- Cap
- Diffuser
- Partition between the individual lamps

You will also need

2 Festoon lamps 24 V/5 W, white 013.022
or
LED festoon lamps 24 V/20 mA (red, yellow, green, blue, white) 013.001, 013.002, 013.003, 013.004, 013.005

1 text insert (must be ordered from branch; customised to order)

Follow-me directional light, 1 way — 010.16

Follow-me directional light.

Characteristics

- Route indicator
- With square plastic cap
- Trapezoidal opal white plastic diffuser, with direction arrow and 1 luminous field
- For mounting in a flush mounting box E1

Technical data

- Dimensions (WxHxD): 90 x 90 x 75 mm
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating

Components

- Screw terminals
- Cap
- Diffuser

You will also need

1 Festoon lamps 24 V/5 W, white 013.022
or
LED festoon lamps 24 V/20 mA (red, yellow, green, blue, white) 013.001, 013.002, 013.003, 013.004, 013.005

Group light, 4 way 010.40

Group light.

Characteristics

- For the group or tertiary display of normal calls, emergency calls and special calls such as fire alarms, telephones, front doors etc.
- Triangular opal white plastic diffuser, with 4 luminous fields, for accommodation of translucent label films
- For mounting in a flush mounting box E2

Technical data

- Dimensions (WxHxD): 90 x 180 x 75 mm
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating

Components

- Screw terminals
- Cap
- Diffuser
- Partition between the individual lamps

You will also need

4 Festoon lamps 24 V/5 W, white 013.022
or
LED festoon lamps 24 V/20 mA (red, yellow, green, blue, white) 013.001, 013.002, 013.003, 013.004, 013.005

1 text insert (must be ordered from branch; customised to order)

Group light, 6 way 010.41

Group light.

Characteristics

- For the group or tertiary display of normal calls, emergency calls and special calls such as fire alarms, telephones, front doors etc.
- Triangular opal white plastic diffuser, with 6 luminous fields, for accommodation of translucent label films
- For mounting in a flush mounting box E3

Technical data

- Dimensions (WxHxD): 90 x 270 x 75 mm
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating

Components

- Screw terminals
- Cap
- Diffuser
- Partition between the individual lamps

You will also need

6 Festoon lamps 24 V/5 W, white 013.022
or
LED festoon lamps 24 V/20 mA (red, yellow, green, blue, white) 013.001, 013.002, 013.003, 013.004, 013.005

1 text insert (must be ordered from branch; customised to order)

Group light, 8 way — 010.42

Group light.

Characteristics
- For the group or tertiary display of normal calls, emergency calls and special calls such as fire alarms, telephones, front doors etc.
- Triangular opal white plastic diffuser, with 8 luminous fields, for accommodation of translucent label films
- For mounting in a flush mounting box E3

Technical data
- Dimensions (WxHxD): 90 x 360 x 75 mm
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating

Components
- Screw terminals
- Cap
- Diffuser
- Partition between the individual lamps

You will also need

8 Festoon lamps 24 V/5 W, white 013.022
or
LED festoon lamps 24 V/20 mA (red, yellow, green, blue, white) 013.001, 013.002, 013.003, 013.004, 013.005

1 text insert (must be ordered from branch; customised to order)

Group light, 10 way — 010.43

Group light.

Characteristics
- For the group or tertiary display of normal calls, emergency calls and special calls such as fire alarms, telephones, front doors etc.
- Triangular opal white plastic diffuser, with 10 luminous fields, for accommodation of translucent label films
- For mounting in a flush mounting box E3

Technical data
- Dimensions (WxHxD): 90 x 450 x 75 mm
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating

Components
- Screw terminals
- Cap
- Diffuser
- Partition between the individual lamps

You will also need

10 Festoon lamps 24 V/5 W, white 013.022
or
LED festoon lamps 24 V/20 mA (red, yellow, green, blue, white) 013.001, 013.002, 013.003, 013.004, 013.005

1 text insert (must be ordered from branch; customised to order)

LED festoon lamp 24 V/20 mA, red — 013.001

LED festoon lamp for installation in the square overdoor light E1, stock code number 010.12, in the group lights, stock code numbers 010.14 to 010.43, and in the follow-me directional light, stock code number 010.16.

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: red
- IP code: IP 00
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 17 x 5 x 45 mm

LED festoon lamp 24 V/20 mA, yellow	013.002

LED festoon lamp for installation in the square overdoor light E1, stock code number 010.12, in the group lights, stock code numbers 010.14 to 010.43, and in the follow-me directional light, stock code number 010.16.

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: yellow
- IP code: IP 00
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 17 x 5 x 45 mm

LED festoon lamp 24 V/20 mA, green	013.003

LED festoon lamp for installation in the square overdoor light E1, stock code number 010.12, in the group lights, stock code numbers 010.14 to 010.43, and in the follow-me directional light, stock code number 010.16.

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: green
- IP code: IP 00
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 17 x 5 x 45 mm

LED festoon lamp 24 V/20 mA, blue	013.004

LED festoon lamp for installation in the square overdoor light E1, stock code number 010.12, in the group lights, stock code numbers 010.14 to 010.43, and in the follow-me directional light, stock code number 010.16.

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: blue
- IP code: IP 00
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 17 x 5 x 45 mm

LED festoon lamp 24 V/20 mA, white	013.005

LED festoon lamp for installation in the square overdoor light E1, stock code number 010.12, in the group lights, stock code numbers 010.14 to 010.43, and in the follow-me directional light, stock code number 010.16.

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: white
- IP code: IP 00
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 17 x 5 x 45 mm

Festoon lamps 24 V/3 W, white	013.018

Festoon lamp for installation in the group lights, stock code numbers 010.14 to 010.43, and in the follow-me directional light, stock code number 010.16.

Technical data
- Electric power: 3 W
- Power consumption: 125 mA
- Suitable for dc and ac voltage
- Colour: clear
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (ØxH): 15 x 43 mm

Festoon lamps 24 V/5 W, white — 013.022

Festoon lamp for installation in the group lights, stock code numbers 010.14 to 010.43, and in the follow-me directional light, stock code number 010.16.

Technical data

- Electric power: 5 W
- Power consumption: 125 mA
- Suitable for dc and ac voltage
- Colour: clear
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (ØxH): 15 x 43 mm

Power supply 24 V / 6 A, VDE — 015.0201

Power supply unit for supplying power to the local devices with safety extra-low voltage, adapted to the requirements of call systems (e.g. make currents of the lights, defined response in the event of system voltage dips, reliable isolation from mains), primary switched mode and short-circuit proof.

Technical data

- Input (AC)
  Input voltage range: 230 V (187-264 V), switchable to 115 V (93-132 V)
  Power consumption: 1.7 A (230 V) or 3.0 A (115 V)
  Supply frequency: 47 to 63 Hz
- Output (DC)
  Output voltage: 24 V +200 mV/-0 mV
  Output current: max. 6 A
  Short circuit current: max. 7.2 A
  Output circuit: SELV (protection class 3)
  Status monitor: green LED
- General
  Safety standards: global safety registration (DIN VDE 0805, EN 60950, IEC 60950)
  EMC standards: EN 61000-6-3 (emission), EN 61000-6-1 (immunity to interference)
  Power efficiency: 85 %
  Protection class: 1
  IP code: IP 20
  Ambient temperature: 0 to 50 °C
  Storage temperature: -25 to 85 °C
  Relative humidity: max. 95 %
  Connection terminals: wire cross-section max. 2.5 mm^2
  Installation: on standard DIN rail 35 x 7.5 mm
  Dimensions (WxHxD): 157 x 135 x 68 mm
  Weight: 950 g

Delivery package

- Power supply unit
- Installation instructions

Power supply 24 V / 6 A, VDE, in installation box — 015.0211

Power supply unit for supplying power to the local devices with safety extra-low voltage, adapted to the requirements of call systems (e.g. make currents of the lights, defined response in the event of system voltage dips, reliable isolation from mains), primary switched mode and short-circuit proof.

Technical data

- Input (AC)
  - Input voltage range: 230 V (187-264 V), switchable to 115 V (93-132 V)
  - Power consumption: 1.7 A (230 V) or 3.0 A (115 V)
  - Supply frequency: 47 to 63 Hz
- Output (DC)
  - Output voltage: 24 V +200 mV/-0 mV
  - Output current: max. 6 A
  - Short circuit current: max. 7.2 A
  - Output circuit: SELV (protection class 3)
  - Status monitor: green LED
- General
  - Safety standards: global safety registration (DIN VDE 0805, EN 60950, IEC 60950)
  - EMC standards: EN 61000-6-3 (emission), EN 61000-6-1 (immunity to interference)
  - Power efficiency: 85 %
  - Protection class: 1
  - IP code: IP 20
  - Ambient temperature: 0 to 40 °C
  - Storage temperature: -25 to 85 °C
  - Relative humidity: max. 95 %
  - Connection terminals: wire cross-section max. 2.5 mm^2
  - Installation: wall mounted
  - Dimensions (WxHxD): 200 x 230 x 135 mm
  - Weight: 2000 g

Delivery package

- Power supply unit in installation box
- 2 cable binders
- Drilling template
- Fastening means
- Installation instructions

UPS, 27.6 V / 6 A, VDE, in installation box — 015.0221

Uninterruptible power supply for supplying power to the local devices with safety extra-low voltage, adapted to the requirements of call systems (e.g. make currents of the lights, defined response in the event of system voltage dips, reliable isolation from mains), primary switched mode and short-circuit proof.

Technical data

- Input (AC)
  - Input voltage range: 230 V (187-264 V), switchable to 115 V (93-132 V)
  - Power consumption: 1.7 A (230 V) or 3.0 A (115 V)
  - Supply frequency: 47 to 63 Hz
- Output (DC)
  - Output voltage (factory-set): 27.3 V at 25 °C (temperature-dependent)
  - Output current: max. 6 A
  - Automatic cut-out triggered at more than 7.2 A
  - Output circuit: SELV (protection class 3)
  - Status monitor with green LEDs: DC OK, AC OK, battery OK
- Loading capacity of the fault message contacts: max. 24 V/1 A
- General
  - Safety standards: global safety registration (DIN VDE 0805, EN 60950, IEC 60950)
  - EMC standards: EN 61000-6-3 (emission), EN 61000-6-1 (immunity to interference)
  - Power efficiency: 85 %
  - Protection class: 1
  - IP code: IP 20
  - Ambient temperature: 0 to 40 °C
  - Storage temperature: -25 to 85 °C (without battery)
  - Relative humidity: max. 95 %
  - Connection terminals: wire cross-section max. 2.5 mm^2
  - Installation: wall mounted
  - Dimensions (WxHxD): 400 x 300 x 132 mm
  - Weight excluding battery: 4.5 kg

Delivery package

- Power supply unit
- Charge regulator for UPS 6 A/10 A
- Automatic cut-out
- Installation housing
- 4 cable binders
- Modelling clay for temperature probe
- Drilling template
- Fastening means
- Battery fuse
- Installation instructions

You will also need

2 Rechargeable battery, 12 V, 12 Ah PS-12120

Power supply 24 V / 10 A — 015.0301

Power supply unit for supplying power to the local devices with safety extra-low voltage, adapted to the requirements of call systems (e.g. make currents of the lights, defined response in the event of system voltage dips, reliable isolation from mains), primary switched mode and short-circuit proof.

Technical data

- Input (AC)
  - Input voltage range: 230 V (187-264 V), switchable to 115 V (93-132 V)
  - Power consumption: 3.3 A (230 V) or 5.4 A (115 V)
  - Supply frequency: 47 to 63 Hz
- Output (DC)
  - Output voltage: 24 V +200 mV/-0 mV
  - Output current: max. 10 A
  - Short circuit current: max. 11 A
  - Output circuit: SELV (protection class 3)
  - Status monitor: green LED
- General
  - Safety standards: global safety registration (DIN VDE 0805, EN 60950, UL 60950, IEC 60950)
  - EMC standards: EN 61000-6-3 (emission), EN 61000-6-1 (immunity to interference)
  - Power efficiency: 85 %
  - Protection class: 1
  - IP code: IP 20
  - Ambient temperature: 0 to 50 °C
  - Storage temperature: -25 to 85 °C
  - Relative humidity: max. 95 %
  - Connection terminals: wire cross-section max. 2.5 mm^2
  - Installation: on standard DIN rail 35 x 7.5 mm
  - Dimensions (WxHxD): 207 x 115 x 83 mm
  - Weight: 1.4 kg

Delivery package

- Power supply unit
- Installation instructions

Power supply 24 V / 10 A, in installation box — 015.0311

Power supply unit for supplying power to the local devices with safety extra-low voltage, adapted to the requirements of call systems (e.g. make currents of the lights, defined response in the event of system voltage dips, reliable isolation from mains), primary switched mode and short-circuit proof.

Technical data

- Input (AC)
  - Input voltage range: 230 V (187-264 V), switchable to 115 V (93-132 V)
  - Power consumption: 3.3 A (230 V) or 5.4 A (115 V)
  - Supply frequency: 47 to 63 Hz
- Output (DC)
  - Output voltage: 24 V +200 mV/-0 mV
  - Output current: max. 10 A
  - Short circuit current: max. 11 A
  - Output circuit: SELV (protection class 3)
  - Status monitor: green LED
- General
  - Safety standards: global safety registration (DIN VDE 0805, EN 60950, UL 60950, IEC 60950)
  - EMC standards: EN 61000-6-3 (emission), EN 61000-6-1 (immunity to interference)
  - Power efficiency: 85 %
  - Protection class: 1
  - IP code: IP 20
  - Ambient temperature: 0 to 40 °C
  - Storage temperature: -25 to 85 °C
  - Relative humidity: max. 95 %
  - Connection terminals: wire cross-section max. 2.5 mm^2
  - Installation: wall mounted
  - Dimensions (WxHxD): 291 x 241 x 128 mm
  - Weight: 3.0 kg

Delivery package

- Power supply unit in installation box
- 2 cable binders
- Drilling template
- Fastening means
- Installation instructions

UPS, 27.6 V / 10 A, in installation box — 015.0321

Uninterruptible power supply for supplying power to the local devices with safety extra-low voltage, adapted to the requirements of call systems (e.g. make currents of the lights, defined response in the event of system voltage dips, reliable isolation from mains), primary switched mode and short-circuit proof.

Technical data

- Input (AC)
  - Input voltage range: 230 V (187-264 V), switchable to 115 V (93-132 V)
  - Power consumption: 3.3 A (230 V) or 5.4 A (115 V)
  - Supply frequency: 47 to 63 Hz
- Output (DC)
  - Output voltage (factory-set): 27.3 V at 25 °C (temperature-dependent)
  - Output current: max. 10 A
  - Automatic cut-out triggered at more than 12 A
  - Output circuit: SELV (protection class 3)
  - Status monitor with green LEDs: DC OK, AC OK, battery OK
- Loading capacity of the fault message contacts: max. 24 V/1 A
- General
  - Safety standards: global safety registration (DIN VDE 0805, EN 60950, UL 60950, IEC 60950)
  - EMC standards: EN 61000-6-3 (emission), EN 61000-6-1 (immunity to interference)
  - Power efficiency: 85 %
  - Protection class: 1
  - IP code: IP 20
  - Ambient temperature: 0 to 40 °C
  - Storage temperature: -25 to 85 °C (without battery)
  - Relative humidity: max. 95 %
  - Connection terminals: wire cross-section max. 4 mm^2
  - Installation: wall mounted
  - Dimensions (WxHxD): 400 x 400 x 187 mm
  - Weight excluding battery: 8.3 kg

Delivery package

- Power supply unit
- Charge regulator for UPS 6 A/10 A
- Automatic cut-out
- Installation housing
- 4 cable binders
- Modelling clay for temperature probe
- Drilling template
- Fastening means
- Battery fuse
- Installation instructions

You will also need

2 Rechargeable battery, 12 V, 26 Ah PS-12260

Transformer unit 230 V/24 V/25 VA — 015.050

Transformer for supplying power to group lights, care group lights and follow-me directional lights.
In cast plastic housing.
Surface mounting.

Technical data

- Licensed in accordance with DIN EN 61558-2-6 (corresponds to DIN VDE 0570-2-6)
- Input voltage: 230 V AC
- Rated output voltage: 24 V AC
- Rated output current: 25 VA
- Fuse: 0.2 A T, 20 mm glass fuse on the primary side
- IP code: IP 23
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Weight: 2.267 kg
- Dimensions (WxHxD): 130 x 180 x 88 mm

Transformer unit 230 V/24 V/100 VA — 015.051

Transformer for supplying power to group lights, care group lights and follow-me directional lights.
In cast plastic housing.
Surface mounting.

Technical data

- Licensed in accordance with DIN EN 61558-2-6 (corresponds to DIN VDE 0570-2-6)
- Input voltage: 230 V AC
- Rated output voltage: 24 V AC
- Rated output current: 100 VA
- Fuse: 0.63 A T, 20 mm glass fuse on the primary side
- IP code: IP 23
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Weight: 2.771 kg
- Dimensions (WxHxD): 130 x 180 x 88 mm

Transformer unit 230 V/24 V/250 VA — 015.052

Transformer for supplying power to group lights, care group lights and follow-me directional lights.
In cast plastic housing.
Surface mounting.

Technical data

- Licensed in accordance with DIN EN 61558-2-6 (corresponds to DIN VDE 0570-2-6)
- Input voltage: 230 V AC
- Rated output voltage: 24 V AC
- Rated output current: 250 VA
- Fuse: 1.6 A T, 20 mm glass fuse on the primary side
- IP code: IP 23
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Weight: 4.820 kg
- Dimensions (WxHxD): 145 x 293 x 105 mm

Transformer unit 230 V/24 V/400 VA — 015.053

Transformer for supplying power to group lights, care group lights and follow-me directional lights.
In cast plastic housing.
Surface mounting.

Technical data
- Licensed in accordance with DIN EN 61558-2-6 (corresponds to DIN VDE 0570-2-6)
- Input voltage: 230 V AC
- Rated output voltage: 24 V AC
- Rated output current: 400 VA
- Fuse: 2.5 A T, 20 mm glass fuse on the primary side
- IP code: IP 23
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Weight: 9.40 kg
- Dimensions (WxHxD): 190 x 270 x 125 mm

Pneumatic ball and tube assembly — 092.006

Pneumatic ball and tube assembly for pneumatic panel, stock code number 125.8610S.
Component of this set:
- SET - Pneumatic panel 125.8610S
- SET - Pneumatic panel 127.8610S

Technical data
- Diameter of ball: 6 cm
- Length of tube: 2 m
- Weight: 108 g

Round flush mounting box R1 — 093.191

Round mounting box for concealed mounting.

Technical data
- Thermoplastic
- Dimensions (WxHxD): 65 x 80 x 42 mm

Round cavity mounting box R1 — 093.192

Mounting box for cavity wall mounting.

Technical data
- Thermoplastic
- Fire resistant to 850 °C
- Dimensions (WxH): 70 x 47 mm
- Wall cutout (Ø): 68 mm

Round flush mounting box R2 — 093.194

Double round mounting box for concealed mounting.

Technical data
- Thermoplastic
- Dimensions (WxHxD): 70 x 140 x 42 mm

Round cavity mounting box R2 — 093.195

Double round mounting box for cavity wall mounting.

Technical data

- Thermoplastic
- Fire resistant to 850 °C
- Dimensions (WxHxD): 70 x 140 x 47 mm
- Wall cutout (Ø): 2 x 68 mm

Tracking controller — 130.1250

Room electronics for connection of up to 4 IR and/or RF sensors for the localisation of personal and asset tags.

Characteristics

- LON node for connection to the system bus.
- With control electronics.
- Connection of up to 4 sensors via RS-485 interface
  - VL Infrared sensor, long range 125.4300
  - VL Infrared sensor, short range 125.4305
  - VL RF sensor 125.4310
- The sensors can be assigned to different rooms in the ZETLON configuration software.
- With mounting frame to enable mounting in a round mounting box R1 or flush mounting box E1.

Technical data

- Power consumption: 20 mA when idle
- Self-resetting fuse (Polyswitch), reset time: a few seconds
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Colour: housing traffic white (RAL 9016), mounting frame pure white (RAL 9010)
- Material: housing plastic (ABS), antimicrobial, mounting frame plastic (PC+ABS)
- Dimensions (WxHxD): 90 x 110 x 25 mm, with mounting frame 90 x 110 x 32 mm
- Weight: 136 g

Components

1 Plastic housing, rectangular with mounting frame
1 Control electronics configured for: RS-485 for up to 4 infrared and RF sensors

You will also need

2 Terminal, screwless, 3 pin (3.5 mm) 125.6630
1 Terminal, screwless, 4 pin (3.5 mm) 125.6640

Room electronics with RFID, call button, presence button, white 130.1305

Room electronics with RFID antenna. With buttons for call and presence 1.

Characteristics

- Addressable LON node with control electronics for all room components.
- With RFID antenna. Registers wireless RFID tags held in the vicinity of the room electronics unit. The room electronics forwards the information of the RFID tag to the tag server (stock code number 230.2420) and mediLog logs this information.
- The RFID tags can be assigned with mediPage (e.g. presence 1 or 2, service, doctor).
- RFID tags for presence 1 and 2 allow the nursing staff to set the presence wirelessly.
- The function of the presence button can be configured with the ZETLON configuration software:
  - Standard: Set presence 1. Cancel all set presences (including those with RFID tag).
  - Cancel presence only: Cancel all set presences (including those with RFID tag).
  - No function: Presences can only be set and cancelled with an RFID tag.
- With three programmable monitored call lines for calls from the WC, beds and room in accordance with DIN VDE 0834.
- For each call line there is an output for a reassurance light for unambiguous identification of the call line in the room.
- The room electronics detects the call and presence information and faults in the room. It sends them to the assigned main control unit or in emergency mode to all reachable nodes of the station.
- Serial interface RS-485 for controlling:
  - VL Infrared sensor, long range 125.4300
  - VL Infrared sensor, short range 125.4305
  - VL RF sensor 125.4310
- 4 outputs for triggering external overdoor lights for displaying presence and calls.
- With speaker for acoustic call forwarding. Adjustable volume.
- Installation and connection with Mounting frame with terminal board for room electronics, stock code number 130.1350.

Technical data

- RFID frequency: 13.56 MHz conforming to ISO/IEC 15693
- Loudspeaker sound pressure level: max. 65 dBA/2 m
- Power consumption: 27 mA in quiescent state, max. 67 mA on call, presence and with loudspeaker
- IP code: IP 40
- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate): plastic (ABS), antimicrobial
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 88 x 88 x 19 mm
- Weight: 65 g

Components

- PCB
- Cover plate
- Membrane keypad
- Loudspeaker

You will also need

- Mounting frame with terminal board for room electronics 130.1350
- RFID reader, USB 130.1361
- RFID tags:
  - RFID tag, card, pack of 10 130.1370
  - RFID tag, key fob, pack of 10 130.1380
- SET - LED light without electronics, dome style 138.4000S
- SW mediPage 230.2100
- SW mediLog 230.2400
- SW Tagserver for localisation 230.2420

Mounting frame with terminal board for room electronics — 130.1350

Mounting frame for one of these room electronics:
- Room electronics with RFID, call button, presence button 130.1301
- Room electronics with RFID, call button, presence button, white 130.1305.

A terminal board for connecting the system bus and other room components is integrated.

Characteristics
- Distributor for connecting the room components (call panel, socket, light etc.)
- Connection of:
  - System bus without audio
  - 3 call lines with 3 reassurance lights
  - Overdoor light with 4 lamp fields
  - RS-485 bus for additional components
- Room appliances protected with self-restoring fuse
- Bus input protected against overvoltage, polarity reversal
- Mounted in a round mounting box R1

Technical data
- Power consumption: 0 A
- Self-restoring fuse: 1.5 A
- Colour: pearl white (RAL 1013)
- Material (mounting frame): plastic (PA-GF)
- Dimensions (WxHxD): 84 x 84 x 27 mm
- Weight: 47 g

Components
1 Mounting frame with terminal board
4 Terminal, screwless, 2 pin (3.5 mm) 125.6620
4 Terminal, screwless, 4 pin (3.5 mm) 125.6640

You will also need
- Room electronics with RFID, call button, presence button 130.1301
  or
  Room electronics with RFID, call button, presence button, white 130.1305

RFID reader, USB — 130.1361

RFID reader for reading RFID tags and changing the information stored on the RFID tag.

Characteristics
- Operating system: Windows XP, Windows 7
- Connection to USB socket
- Indicator LEDs for operation, activity

Technical data
- Power supply: 5 V DC (100 mA) via USB interface
- Interface: USB 1.1 and 2.0
- RFID tag types: as per ISO/IEC 15693
- Read/write interval: max. 5 cm (depending on RFID tag)
- IP code: IP 30
- Ambient temperature: -20 to 70 °C
- Dimensions (WxHxD): 96 x 15 x 66 mm
- Cable length: 1.8 m
- Weight: 113 g

Components
- RFID reader
- Cable for connecting the RFID reader to USB 2.0

RFID tag, card, pack of 10 — 130.1370

The RFID tags are passive transponders that do not require a battery. They enable the nurse to set the presence wirelessly - if there is a room electronics with RFID (stock code number 130.1305 or 130.1301) - by holding the RFID tag near the room electronics with RFID.

Characteristics
- One side can be written on using an OHP pen.
- Programming with user-specific information about the type of RFID tag

Technical data
- RFID transponder conforming to ISO/IEC 15693
- RFID frequency: 13.56 MHz
- Unique serial number
- Colour: white
- Ambient temperature: -25 to 50 °C
- Dimensions (WxHxD): 86 x 54 x 0.8 mm
- Weight: 5 g

Packing unit
10 items

RFID tag, key fob, pack of 10 — 130.1380

The RFID tags are passive transponders that do not require a battery. They enable the nurse to set the presence wirelessly - if there is a room electronics with RFID (stock code number 130.1305 or 130.1301) - by holding the RFID tag near the room electronics with RFID.

Characteristics

- One side is white and can be written on using an OHP marker.
- Programming with user-specific information about the type of RFID tag

Technical data

- RFID transponder conforming to ISO/IEC 15693
- RFID frequency: 13.56 MHz
- Unique serial number
- Colour: black
- Ambient temperature: -25 to 65 °C
- Dimensions (WxHxD): 31 x 40 x 5 mm
- Dimensions of the eyelet for cords (WxH): 7 x 3 mm
- Weight: 3 g

Packing unit

10 items

Mounting frame, grey F1 — 130.2900

Mounting frame for mounting in a round mounting box R1 and flush mounting box E1.

Also suitable for:

- Surface mounting
- With Plastic DIN rail adaptor, stock code number 130.9201, on standard DIN rail 35 x 7.5 mm

Component of these sets:

- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light with electronics F1 138.1100S

Technical data

- Colour: light grey (RAL 7035)
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 85 x 105 x 21 mm
- Weight: 41 g

Mounting frame, white F1, deep — 130.2910

Deep mounting frame for mounting in round mounting boxes R1 and flush mounting boxes E1. This mounting frame offers more space for cabling and facilitates installation.

Also suitable for:

- Surface mounting
- With Plastic DIN rail adaptor, stock code number 130.9201, on standard DIN rail 35 x 7.5 mm

Component of these sets:

- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S
- SET - Room electronics F1 138.1500S
- SET - Room electronics, serial interface 138.4300S
- SET - Universal input/output node F1 138.5301S
- SET - Speech control node 2xF1 138.5310S

Technical data

- Colour: pearl white (RAL 1013)
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 85 x 105 x 31 mm
- Weight: 53 g

NCS Touch, Nurse Control Station with touch screen and audio — 130.3630

The NCS Touch is used as a convenient nurse control station in a station or group.
The NCS Touch cannot be used as a main control unit.
Other functions include:
- Make voice contact with any rooms in the call system
- Listen in to the room
- Manage pagers of a pager system
- Assign a room to a care group
- Telephone

The NCS Touch can be used as a:
- Main answer station with speech
- Group answer station with speech
- Central answer station with speech
- Parallel answer station with speech

The NCS Touch has a touchscreen with which all functions can be called up. The main functions can also be executed using the device buttons.
The NCS Touch can be used as a desktop unit or mounted on the wall.
The firmware can be updated with a USB adapter (USB A – USB mini-B) and a USB flash drive via the USB port (type mini-B).
You can connect an LED light without electronics to the output of the NCS Touch, allowing calls and presence to be signalled.

Technical data
- Standards:
  - DIN EN 61000-6-1 (immunity to interference)
  - DIN EN 61000-6-3 (emission)
  - DIN VDE 0834
- Power supply via system bus: U_{in} = 20 to 28 V (no additional power supply required)
- Power consumption: approx. 200 mA
- LCD display (touchscreen): 320 x 240 pixels
- Environmental conditions and EMC compliant with DIN VDE 0834, part 2, environmental class 1
  - Ambient temperature: 0 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Material: plastic (PC+ABS)
- Dimensions with handset (WxHxD): 171 x 63 x 200 mm
- Weight: 620 g
- Colour (housing): traffic white (RAL 9016)

You will also need
- Main control unit
- For desktop unit, also:
  - Desktop kit for NCS Touch/TCS 130.3640
  - Programming connection unit RJ-45 LON 700.021
  - Programming cable RJ-45 LON 700.022
- For wall mounting, also:
  - Wall mounting kit LON for NCS Touch/TCS 130.3650
- For updating the firmware:
  USB adapter (USB A – USB mini-B) with OTG function and USB flash drive

Desktop kit for NCS Touch/TCS — 130.3640

Desk bracket for the NCS Touch, Nurse Control Station with touch screen and audio, stock code number 130.3630. With sockets for connecting the cable.

Technical data
- Colour: traffic white (RAL 9016)
- Material: plastic (PC+ABS)
- Dimensions (WxHxD): 140 x 55 x 120 mm
- Weight: 80 g

Components
1 Desktop kit
1 PCB
4 Screws for attachment to NCS Touch
1 Clip-on ferrite

Wall mounting kit LON for NCS Touch/TCS — 130.3650

Wall bracket for the NCS Touch, Nurse Control Station with touch screen and audio, stock code number 130.3630. With clamps for connecting the cable. For connection via LON.

Technical data
- Dimensions (WxHxD): Wall bracket 140 x 106 x 12 mm, PCB with ribbon cable 60 x 156 x 10 mm
- Weight: 182 g

Components
1 Metal bracket with screws
1 PCB with ribbon cable
6 Terminal, screwless, 4 pin (3.5 mm) 125.6640

PCAIM audio interface module — 130.3700

Audio interface module for a PC answer station with mediGraph.

Characteristics

- Calls are answered automatically when the handset is picked up
- LEDs for incoming calls, audio connection, power, connection to mediGraph, errors, data transfer
- Buttons for volume, mute, push to talk, hands-free mode
- Suitable as desktop unit with bracket

Technical data

- Connection to Lonworks to PC (USB) interface, stock code number 130.9740 and PC with Programming cable RJ-45 LON, stock code number 700.022
- Connection to system bus with Programming cable RJ-45 LON, stock code number 700.022, to Programming connection unit RJ-45 LON, stock code number 700.021
- Connection of overdoor light without electronics and call/presence reset panel (optional) with connecting cable (RJ-12 plug, 1:1) and 6-pin RJ-12 socket
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (PC+ABS)
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): with handset: 174 x 70 x 205 mm, without handset: 174 x 42 x 185 mm
- Weight: 565 g

You will also need

1 PCAIM desktop kit 130.3720
1 Programming connection unit RJ-45 LON 700.021
2 Programming cable RJ-45 LON 700.022
If the PC answer station is connected to the TCP/IP gateway by LAN, you only need 1 programming cable.

Other components will depend on your circumstances.

PCAIM desktop kit — 130.3720

Desk bracket for the PCAIM audio interface module, stock code number 130.3700.

Ports:

2 RJ45 sockets for connection to the system bus
1 RJ11 socket for connection of an LED light without electronics

Technical data

- Colour: traffic white (RAL 9016)
- Material: plastic (PC+ABS)
- Dimensions (WxHxD): 140 x 55 x 120 mm
- Weight: 80 g

LED light without electronics, dome style — 130.4000

LED light without electronics, dome style.
Component of this set:
- SET - LED light without electronics, dome style 138.4000S

Characteristics
- For the display of presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with LEDs. Colours white, red, green, yellow/blue.
  The 4th luminous field can signal 2 colours:
  – Yellow: Presence 2, special call, special emergency call
  – Or blue: Cardiac call
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data
- Power consumption: 20 mA/LED
- Connection suitable for plug-in terminal (spacing 3.5 mm)
- Colour: plastic housing traffic white (RAL 9016), diffuser opal white
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 94 g

Components
1 Plastic housing, rectangular, with 4 luminous fields
1 Diffuser
1 PCB with LEDs

You will also need
1 Mounting frame for LED light 130.4510
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
1 Terminal, screwless, 6 pin (3.5 mm), green 125.6665

Accessories
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

LED light with electronics, dome style 130.4050

LED light with electronics, dome style.
Component of this set:
- SET - LED light with electronics, dome style 138.4050S

Characteristics
- For the display of presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with LEDs. Colours white, red, green, yellow/blue.
  The 4th luminous field can signal 2 colours:
  – Yellow: Presence 2, special call, special emergency call
  – Or blue: Cardiac call
- Addressable LON node with control electronics for all room components.
- With 8 freely programmable monitored inputs and outputs for connecting room components in accordance with DIN VDE 0834:
  – Call and presence panel
  – Sockets at the bed
- For each input there is an output for a reassurance light for unambiguous identification of the call line in the room.
- 5 outputs for triggering external LED lights for displaying presence and calls and faults in the call lines.
- 2 outputs for acoustic call forwarding for buzzer of the presence panel.
- Connection for:
  Sounder for LED light with electronics 130.4500
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data
- Power consumption:
  – 20 mA when idle
  – 20 mA/LED
  – Also current of external connected devices
- Maximum load of the outputs
  – Terminals 1a, 2, 3, 4a: 0.5 A
  – Terminals 1b, 4b: 50 mA
- Self-resetting fuse (Polyswitch), reset time: a few seconds
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- Licensed in accordance with DIN VDE 0834.
- Colour: plastic housing traffic white (RAL 9016), diffuser opal white
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 118 g

Components
1 Plastic housing, rectangular, with 4 luminous fields
1 Diffuser
1 Control electronics with:
  8 Inputs and outputs for beds, WC, room and 2 presence lines
  5 Lamp outputs
  4 Luminous fields with monitored LEDs

You will also need
1 Mounting frame for LED light 130.4510
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
6 Terminal, screwless, 6 pin (3.5 mm), green 125.6665

Accessories
1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

LED light without electronics, multi-colour, dome style 130.4100

LED light without electronics, dome style.
Connection with serial interface RS-485 to:

- SET - LED light with electronics, multi-colour, dome style 138.4150S
- SET - Room electronics, serial interface 138.4300S

Component of this set:

- SET - LED light without electronics, multi-colour, dome style 138.4100S

Characteristics

- For the display of presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with monitored multi-colour LEDs.
  The colours and the flashing pattern for presences, calls and faults can be freely configured at the room electronics or the LED light with electronics.
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data

- Power consumption: 20 mA/LED
- Connection suitable for plug-in terminal (spacing 3.5 mm)
- Colour: plastic housing traffic white (RAL 9016), diffuser opal white
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 114 g

Components

1 Plastic housing, rectangular, with 4 luminous fields
1 Diffuser
1 PCB with LEDs

You will also need

1 Mounting frame for LED light 130.4510
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645

Accessories

1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

LED light with electronics, multi-colour, dome style 130.4150

LED light with electronics, dome style.
Component of this set:
- SET - LED light with electronics, multi-colour, dome style 138.4150S

Characteristics
- For the display of presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with monitored multi-colour LEDs.
  The colours and flashing patterns of the presences, calls and faults can be configured freely.
- Addressable LON node with control electronics for all room components.
- With 8 freely programmable monitored inputs and outputs for connecting room components in accordance with DIN VDE 0834:
  – Call and presence panel
  – Sockets at the bed
- For each input there is an output for a reassurance light for unambiguous identification of the call line in the room.
- Serial interface RS-485 for controlling components:
  – VL Infrared/RF sensors (up to 4 components) 125.4300, 125.4305, 125.4310
  – Cell terminal (up to 4 components) 135.2012, 135.2022,135.2032
  – SET - LED light without electronics, multi-colour, dome style (up to 4 components) 138.4100S
  The colours and the flashing pattern of the presences, calls and faults that are transmitted to the outputs of the serial interface can be freely configured.
- 2 outputs for acoustic call forwarding for buzzer of the presence panel.
- Connection for:
  Sounder for LED light with electronics 130.4500
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data
- Power consumption:
  – 20 mA when idle
  – 20 mA/LED
  – Also current of external connected devices
- Self-resetting fuse (Polyswitch), reset time: a few seconds
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- Licensed in accordance with DIN VDE 0834.
- Colour: plastic housing traffic white (RAL 9016), diffuser opal white
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 119 g

Components
1 Plastic housing, rectangular, with 4 luminous fields
1 Diffuser
1 Control electronics with:
  8 Inputs and outputs for beds, WC, room and 2 presence lines
  5 Lamp outputs
  4 Luminous fields with monitored multi-colour LEDs
  1 Serial interface RS-485

You will also need
1 Mounting frame for LED light 130.4510
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
5 Terminal, screwless, 6 pin (3.5 mm), green 125.6665

Accessories
1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

LED group light, dome style — 130.4200

LED light without electronics, dome style.
For the group display of calls.
For connection to:
- SET - Universal input/output node F1 138.5301S

Component of this set:
- SET - LED group light, dome style 138.4200S

Characteristics
- For the display of normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with white LEDs.
  Luminous fields can be flexibly adjusted using separators.
  Luminous fields can be labelled with adhesive letters.
- If there are more than 4 groups several LED group lights can be mounted one above the other.
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data
- Power consumption: 20 mA/LED
- Connection suitable for plug-in terminal (spacing 3.5 mm)
- Colour: plastic housing traffic white (RAL 9016), diffuser opal white
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 77 mm
- Weight: 138 g

Components
1 Plastic housing, rectangular, with 4 luminous fields
1 Kit - lens cover, high, separator 130.4530
1 PCB with LEDs

You will also need
1 Mounting frame for LED light 130.4510
2 Terminal, screwless, 4 pin (3.5 mm), green 125.6645

Accessories
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

LED bed light without electronics, dome style — 130.4250

LED light without electronics, dome style.
Component of this set:
- SET - LED bed light, dome style 138.4250S

Characteristics
- For the display of normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- For display in a room or at a bed.
  Or as a parallel display of the reassurance light.
- 2 luminous fields with white LEDs, 2 luminous fields with red LEDs.
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data
- Connection suitable for plug-in terminal (spacing 3.5 mm)
- Colour: plastic housing traffic white (RAL 9016), diffuser opal white
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 93 g
- Power consumption: 20 mA/LED

Components
1 Plastic housing, rectangular, with 4 luminous fields
1 Diffuser
1 PCB with LEDs

You will also need
1 Mounting frame for LED light 130.4510
2 Terminal, screwless, 4 pin (3.5 mm), green 125.6645

Accessories
1 Surface mounting frame for LED light 130.4520

Room electronics, serial interface — 130.4300

Room electronics.
Component of this set:
- SET - Room electronics, serial interface 138.4300S

Characteristics
- Addressable LON node with control electronics for all room components.
- With 8 freely programmable monitored inputs and outputs for connecting room components in accordance with DIN VDE 0834:
  - Call and presence panel
  - Sockets at the bed
- For each input there is an output for a reassurance light for unambiguous identification of the call line in the room.
- Serial interface RS-485 for controlling:
  - VL Infrared/RF sensors 125.4300, 125.4305, 125.4310
  - Cell terminal 135.2012, 135.2022,135.2032
  - SET - LED light without electronics, multi-colour, dome style 138.4100S
    The colours and the flashing pattern of the presences, calls and faults that are transmitted to the outputs of the serial interface can be freely configured.
- 5 outputs for triggering external LED lights for displaying presence and calls and faults in the call lines.
- 2 outputs for acoustic call forwarding for buzzer of the presence panel.
- With mounting frame to enable mounting in a round mounting box R1 or flush mounting box E1 or surface mounting.

Technical data
- Power consumption:
  - 20 mA when idle
  - Also current of external connected devices
- Maximum load of the outputs
  - Terminals 1a, 2, 3, 4a: 0,5 A
  - Terminals 1b, 4b: 50 mA
- Self-resetting fuse (Polyswitch), reset time: a few seconds
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- Licensed in accordance with DIN VDE 0834.
- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 25 mm
- Weight: 96 g

Components
1 Plastic housing, rectangular
1 Control electronics with:
- 8 Inputs and outputs for beds, WC, room and 2 presence lines
- 5 Lamp outputs
- 1 Serial interface RS-485

You will also need
1 Mounting frame, white F1, deep 130.2910
2 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
6 Terminal, screwless, 6 pin (3.5 mm), green 125.6665

Sounder for LED light with electronics — 130.4500

Sounder for acoustic call forwarding for connection to the LED light.
Suitable for:
- SET - LED light without electronics, dome style 138.4000S
- SET - LED light with electronics, dome style 138.4050S
- SET - LED light without electronics, multi-colour, dome style 138.4100S
- SET - LED light with electronics, multi-colour, dome style 138.4150S
- SET - LED group light, dome style 138.4200S

Technical data
- Power consumption:
  - 10 mA when idle
  - At maximum volume: 75 mA
- Frequency: 500 to 2500 Hz (can be adjusted in the ZETLON configuration software)
- Volume: 45 to 65 dbA at a distance of 2 m (can be adjusted in the ZETLON configuration software)
- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 13 x 33 mm
- Weight: 19 g

Mounting frame for LED light — 130.4510

Mounting frame for mounting in round mounting boxes R1 and flush mounting boxes E1.

Component of these sets:

- SET - LED light without electronics, dome style 138.4000S
- SET - LED light with electronics, dome style 138.4050S
- SET - LED light without electronics, multi-colour, dome style 138.4100S
- SET - LED light with electronics, multi-colour, dome style 138.4150S
- SET - LED group light, dome style 138.4200S
- SET - LED bed light, dome style 138.4250S

Technical data

- Colour: pearl white (RAL 1013)
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 85 x 105 x 9 mm
- Weight: 27 g

Surface mounting frame for LED light — 130.4520

Mounting frame for surface mounting of the LED light. Suitable for:

- SET - LED light without electronics, dome style 138.4000S
- SET - LED light with electronics, dome style 138.4050S
- SET - LED light without electronics, multi-colour, dome style 138.4100S
- SET - LED light with electronics, multi-colour, dome style 138.4150S
- SET - LED group light, dome style 138.4200S
- SET - LED bed light, dome style 138.4250S

Technical data

- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 90 x 110 x 28 mm
- Weight: 39 g

You will also need

1 Mounting frame for LED light 130.4510

Kit - lens cover, high, separator — 130.4530

High diffuser with separators between the lamp fields.

Luminous fields can be flexibly adjusted using separators.

Luminous fields can be labelled with adhesive letters.

Component of:

- LED group light, dome style 130.4200

Technical data

- Colour: separators: traffic white (RAL 9016), diffuser: opal white
- Material: separators plastic (ABS), antimicrobial, diffuser plastic (PC)
- Dimensions (WxHxD): 83 x 109 x 58 mm
- Weight: 65 g

Data line amplifier (repeater) F1 — 130.5100

Data line amplifier (repeater) F1.

Characteristics

- Functions:
  - For expanding system bus sections with more than 31 nodes
  - To refresh the data signal over distances of more than 1000 m
  - To branch the system bus into spurs
- 2-channel data line amplifier
- Data flow control with LED
- Isolation of the channels with jumpers to simplify troubleshooting in the call system

Technical data

- For wall mounting or with Plastic DIN rail adaptor, stock code number 130.9201, on standard DIN rail 35 x 7.5 mm
- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- 2 terminating resistors each 120 Ω with jumper
- Power consumption: 60 mA
- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 41 mm

Components

1	Data line amplifier	
1	Mounting frame, white F1, deep	130.2910
1	Plastic housing	
2	Terminating resistors	

You will also need

6	Terminal clamp connector	141.5840

Data line amplifier with galvanic separation (repeater) F1 — 130.5110

Data line amplifier with galvanic separation (repeater) F1

Characteristics

- Functions:
  - To separate system bus sections in which the system bus sections are powered by separate power supplies, e.g. where there are several buildings
  - For expanding system bus sections with more than 31 nodes
  - To refresh the data signal over distances of more than 1000 m
  - To branch the system bus into spurs
- 2-channel data line amplifier
- Data flow control with LED
- Isolation of the channels with jumpers to simplify troubleshooting in the call system

Technical data

- For wall mounting or with Plastic DIN rail adaptor, stock code number 130.9201, on standard DIN rail 35 x 7.5 mm
- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- 2 terminating resistors each 120 Ω (adjustable with jumpers)
- Power consumption: 60 mA
- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (PC+ABS)
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 41 mm

Components

1	Data line amplifier	
1	Mounting frame, white F1, deep	130.2910
1	Plastic housing	
2	Terminating resistors	

You will also need

8	Terminal clamp connector	141.5840

Voltage surge protection module DCO SD 24 10A SN1747 — 130.5120

Lightning protection for power supply of Medicall 800.

Technical data

- Mounted on standard DIN rail 35 x 7.5 mm
- Rated voltage: 24 V
- Rated current: 10 A
- Highest continuous voltage: 33 V
- C2 rated discharge current (8/20) total: 300 A
- IP code: IP 00, with cover IP 20
- Connection cross-section: one wire 0.08 to 2.5 mm^2, fine wire 0.08 to 2.5 mm^2
- Ambient temperature: -40 to 80 °C
- Dimensions (WxHxD): 91 x 63 x 6 mm
- Weight: 25 g
- Polyamide housing, colour yellow

Voltage surge protection module Blitzductor XT base part BXT BAS — 130.5130

Bracket for voltage surge protection module:

- Voltage surge protection module Blitzductor XT LifeCheck module BXT ML2 BD S 5 130.5140
- Voltage surge protection module Blitzductor XT LifeCheck module BXT ML2 BD S 24 130.5150

The modules can be connected or disconnected without interrupting data transmission.

Technical data

- Mounted on *earthed* standard DIN rail 35 x 7.5 mm
- Screw connection
- IP code: IP 20
- Connection cross-section: one wire 0.08 to 4 mm^2, fine wire 0.08 to 2.5 mm^2
- Ambient temperature: -40 to 80 °C
- Dimensions (WxHxD): 94 x 51 x 13 mm
- Weight: 45 g
- Polyamide housing, colour yellow

Voltage surge protection module Blitzductor XT LifeCheck module BXT ML2 BD S 5 — 130.5140

Lightning protection for data bus of Medicall 800.

Connected to base part:

- Voltage surge protection module Blitzductor XT base part BXT BAS 130.5130

The module can be connected or disconnected without interrupting data transmission.

Technical data

- Connected to base part
- Rated voltage: 5 V
- Rated current at 45 °C: 1.0 A
- D1 lightning impulse current (10/350) total: 9 kA
- D1 lightning impulse current (10/350) per wire: 2.5 kA
- C2 rated discharge current (8/20) total: 20 kA
- IP code: IP 20
- Ambient temperature: -40 to 80 °C
- Dimensions (WxHxD): 45 x 58 x 12 mm
- Weight: 21 g
- Polyamide housing, colour yellow

You will also need

- Voltage surge protection module Blitzductor XT base part BXT BAS 130.5130

Voltage surge protection module Blitzductor XT LifeCheck module BXT ML2 BD S 24 130.5150

Lightning protection for audio bus of Medicall 800.
Connected to base part:

- Voltage surge protection module Blitzductor XT base part BXT BAS 130.5130

The module can be connected or disconnected without interrupting data transmission.

Technical data

- Connected to base part
- Rated voltage: 24 V
- Rated current at 45 °C: 1.0 A
- D1 lightning impulse current (10/350) total: 9 kA
- D1 lightning impulse current (10/350) per wire: 2.5 kA
- C2 rated discharge current (8/20) total: 20 kA
- IP code: IP 20
- Ambient temperature: -40 to 80 °C
- Dimensions (WxHxD): 45 x 58 x 12 mm
- Weight: 21 g
- Polyamide housing, colour yellow

You will also need

- Voltage surge protection module Blitzductor XT base part BXT BAS 130.5130

Voltage surge protection module EMC spring terminal SAK BXT LR for Blitzductor XT 130.5170

Spring clamp for low-ohm connection of the screen of the system bus cable for voltage surge protection between 2 buildings.
Connected to base part:

- Voltage surge protection module Blitzductor XT base part BXT BAS 130.5130

Technical data

- Range: 3 to 10 mm
- Weight: 12 g
- Dimensions (WxHxD): 75 x 105 x 22 mm

Cable to fibre optic interface 130.5180

Cable to fibre optic interface.

Characteristics

- Functions:
  - Ideal for galvanic isolation in high-interference environments or connection between buildings
  - For separating system bus sections which are supplied from separate power supplies, e.g. in the case of several buildings
  - To refresh the data signal over distances of more than 1000 m
- 2-channel data line amplifier
- Bidirectional conversion of a copper RS 422 or RS 485 interface into a glass fibre interface of up to 1.5 MBaud
- Connection to system bus via 9-pin Sub-D socket
- No transmission parameters need to be set.
- Data flow control with LED
- Isolation of the channels to simplify trouble-shooting in the call system

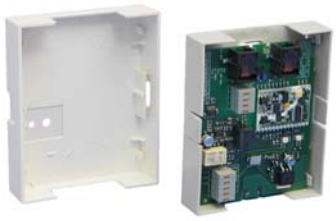
Technical data

- Wavelength used: 820 nm
- For fibre-optic duplex cable with ST plug connection
- Range: 3800 m at 62.5 µm or 3200 m at 50 µm fibre diameter
- Serial interface isolated from power supply 1 kV, connection with Sub-D, 9 pins
- Ambient temperature: 0 to 60 °C (not side by side), 0 to 50 °C (side by side)
- Storage temperature: -40 to 70 °C
- Relative humidity: max. 95 %, non-precipitating
- Installation: on standard DIN rail 35 x 7.5 mm
- Housing: plastic
- Dimensions (WxHxD): 75 x 105 x 22 mm
- Weight: approx. 100 g

Components

1 Data line amplifier
1 Plug-in power supply

Telephone interface (analogue) 130.5211



Interface to a telephone system so that the nurse can use a telephone to answer calls, speak into the room or make announcements.

A separate telephone call line which can be dialled via a DECT handset or a normal DTMF telephone and allows direct voice communication to the call terminal is required for the (analogue) telephone interface.

Component of this set:

- SET - Telephone interface 138.5202S

Characteristics

- For connection to a PABX (analogue interface, a/b).
- Establishes audio communication between a PABX and Medicall 800.
- Requires the remote voice interface unit, stock code number 130.5200, as control unit for activating the connection.
- 2 Western sockets (RJ12) for direct connection of the telephone interface (analogue) to a PABX and to the remote voice interface unit.
- Indicates the operating state via 2 LEDs.

Technical data

- Installation: wall mounted
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- Self-resetting fuse (Polyswitch), reset time: a few seconds
- Power consumption: 15 mA when idle, 50 mA when active
- Colour: housing traffic white (RAL 9016), mounting frame pure white (RAL 9010)
- Material: housing plastic (ABS), antimicrobial, mounting frame plastic (PC+ABS)
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 32 mm
- Weight: 122 g

Components

1 Telephone interface
1 Mounting frame
1 Plastic housing

You will also need

1 Terminal, screwless, 5 pin (3.5 mm) 125.6650
2 Ribbon cable with Western plug (RJ12)
1 Remote voice interface unit 130.5200

Universal input/output node (UIO) F1 130.5301

Component of this set:

- SET - Universal input/output node F1 138.5301S

Characteristics

- Control of:
  - External power relays
  - Up to 5 station/ward, group or follow-me directional lights and up to 5 combined lights for presences, WC call and call (given the corresponding configuration) via the system bus
  - Buzzers, pager systems or interfaces to other systems
- Programmable outputs:
  5 Lamp outputs (station/group 1-5)/10 W
  1 Collective output/10 W
  3 Call outputs (call, emergency call, alarm)/ 3 W
  2 Static outputs (fault, buzzer call forwarding)/ 10 mA

Technical data

- For wall mounting and distributor mounting
- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Terminals required: 16
- Outputs: connected to 0 V
- Power consumption: 20 mA
- Self-resetting fuse (Polyswitch), reset time: a few seconds
- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 25 mm, with mounting frame 90 x 110 x 41 mm
- Weight: 98 g

You will also need

1 Mounting frame, white F1, deep 130.2910
2 Plastic DIN rail adaptor 130.9201
16 Terminal clamp connector 141.5840

Corridor display, single sided — 130.5521

Corridor display, for wall mounting, single-sided.
The corridor display can also be mounted on the ceiling.
Component of this set:
- SET - Corridor display, single sided 138.5501S

Characteristics
- Displays calls sorted according to priority and chronological order
- Emergency calls flash on the display, making them easy to distinguish from normal calls
- If there are no calls, the display can indicate the actual location of the personnel or carry a 50 character-long special text (e.g. "please switch mobiles off")
- Display with LEDs, high visibility
- In principle, almost any number of corridor displays can be connected to Medicall 800.
- Can be programmed to display selected call types (e.g. faults, service call, cardiac call)
- Acoustic call forwarding
- Remote-controlled volume control of acoustic call forwarding

Technical data
- Current consumption with output module: 120 mA, max. 150 mA, min. 80 mA
- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Display: 10 characters, alphanumeric, character height 60 mm
- Reading distance 25 m
- Installation: on wall or ceiling
- Fixing points (spacing): 450 mm
- Colour (housing): traffic white (RAL 9016)
- Material (housing): enamelled sheet steel
- IP code: IP 40
- Ambient temperature: 0 to 45 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 535 x 102 x 39 mm
- Weight: 1.8 kg

Components
1 Corridor display, single-sided, pure white, red LED display
1 Buzzer for acoustic call forwarding

You will also need
1 LED display driver node (output module RS 232) 130.697
For connecting the corridor display to the system bus.
10 Terminal clamp connector 141.5840
1 Ceiling mounting kit for corridor display, long 130.5750
or Wall mounting kit for corridor display 130.5760
or Ceiling mounting kit for corridor display, short, for direct mounting 130.5770

Corridor display, double sided — 130.5731

Corridor display for ceiling mounting, double-sided.

Component of this set:

- SET - Corridor display, double sided 138.5701S

Characteristics

- Displays calls sorted according to priority and chronological order
- Emergency calls flash on the display, making them easy to distinguish from normal calls
- If there are no calls, the display can indicate the actual location of the personnel or carry a 50 character-long special text (e.g. "please switch mobiles off")
- Display with LEDs, high visibility
- In principle, almost any number of corridor displays can be connected to Medicall 800.
- Can be programmed to display selected call types (e.g. faults, service call, cardiac call)
- Acoustic call forwarding
- Remote-controlled volume control of acoustic call forwarding

Technical data

- Current consumption with output module: 190 mA, max. 230 mA, min. 100 mA
- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Display: 10 characters, alphanumeric, character height 60 mm
- Reading distance 25 m
- Installation: on wall or ceiling
- Fixing point on top side (distance): 506 mm
- Colour (housing): traffic white (RAL 9016)
- Material (housing): enamelled sheet steel
- IP code: IP 40
- Ambient temperature: 0 to 45 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 535 x 102 x 56 mm
- Weight: 2.4 kg

Components

1 Corridor display, double-sided, pure white, red LED display
1 Buzzer for acoustic call forwarding

You will also need

1 LED display driver node (output module RS 232) 130.697
For connecting the corridor display to the system bus.
10 Terminal clamp connector 141.5840
1 Ceiling mounting kit for corridor display, long 130.5750
or Wall mounting kit for corridor display 130.5760
or Ceiling mounting kit for corridor display, short, for direct mounting 130.5770

Ceiling mounting kit for corridor display, long — 130.5750

- Ceiling mounting kit for hanging a corridor display.

Technical data

- Colour: traffic white (RAL 9016)
- Length: 650 mm

Components

2 Canopies
2 Ceiling mounts

Wall mounting kit for corridor display — 130.5760

Fixture for hanging a corridor display on the wall.

Technical data

- Colour: traffic white (RAL 9016)
- Material: enamelled sheet steel
- Dimensions (WxHxD): 615 x 200 x 75 mm
- Weight: 945 g

Ceiling mounting kit for corridor display, short, for direct mounting — 130.5770

Fixture for hanging a corridor display directly underneath the ceiling.

Technical data
- Colour: traffic white (RAL 9016)
- Material: enamelled sheet steel
- Dimensions (ØxH): 70 x 32 mm
- Weight: 145 g

Components
2 Ceiling mounting kits
6 Screws and dowel pins

LON radio clock, without antenna — 130.6501

LON radio clock nodes for connecting to the Medicall 800 system bus at any point. This ensures that a synchronised time is available in the entire system.
If the radio receiver DCF77 (antenna) is connected, the LON radio clock shows the time of the time signal transmitter DCF77.

Technical data
- Accuracy without radio receiver DCF77: ±1.5 min./month
- Module housing
- IP code: IP 40
- Ambient temperature: 0 to 50 °C
- Storage temperature: -25 to 50 °C
- Relative humidity: max. 85 %, non-precipitating
- Installation: on standard DIN rail 35 x 7.5 mm
- Dimensions (WxHxD): 105 x 90 x 60 mm

Accessories
- External radio receiver DCF77 130.6511

External radio receiver DCF77 — 130.6511

Receiver with connection cable for:
LON radio clock, without antenna130.6501
The receiver must be located as far as possible from electromagnetic fields. A good location is often near a window.

Technical data
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Length of connecting cable: 10 m
- Dimensions (WxHxD): 68 x 35 x 18 mm

Components
- Receiver with connecting cable, length 10 m
- Clip-on ferrite
- Screws with dowel

TRUNKING MOUNTED NHS EMERGENCY PULL SWITCH — 130.6650

Emergency pull switch for cardiac call for mounting in a medical supply unit (MSU).

Characteristics
- With 1 pull switch.
  Depending on the configuration, a call can be triggered when the pull switch is pulled out or when it is pressed.
  Pull switch engages. The call remains initiated until the pull switch is pushed in or pulled out again.
- Installation: in medical supply unit (MSU).

Technical data
- Pull switch output:
  – Output voltage 15 V or 24 V (adjustable with jumper)
  – Monitoring resistance 150 kΩ or 56 kΩ (adjustable with jumper)
  – Output current max. 2.5 mA at 15 V output voltage
  – Output current max. 25 mA at 24 V output voltage
- Dimensions (WxHxD): 50 x 50 x 52 mm
- Weight: 39 g

Components
- PCB with protection
- Pull switch

Serial interface node RS 232 — 130.690

Interface for connecting a wireless pager or DECT system or external systems or a medifon 2010 system to the system bus.

Characteristics

- For forwarding calls from one or more groups and/or wards to a pager or DECT system
- Programmable text functions
- Connection via RS-232 or RS-485
- Interface for:
  - Systems of earlier pager manufacturers
  - Third-party systems (for a list of supported pager systems and protocols, see system description and planning instructions documentation
  - medifon 2010 (with pager system EPROM, software IFMF_xxx and Interface converter RS 232 - RS 485, stock code number 140.884)

    However, the interface cannot transmit any voice information. The interface can manage max. 5 stations of medifon 2010 and 15 stations of Medicall 800.

Technical data

- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Terminals required: 7
- Power consumption: 20 mA
- Self-resetting fuse (Polyswitch), reset time: a few seconds
- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (ABS)
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 165 x 95 x 32.5 mm

Components

1 Serial interface module with socket for pager system or DECT-specific software (EPROM)
1 EPROM SW for PSA and DECT systems, to use with serial interface RS 232 130.690x 230.6001
1 EPROM SW for data interface for connections to PABX systems, to use with serial interface RS 232 130.690x 230.6400
3 Ferrite beads

You will also need

7 Terminal clamp connector 141.5840

Interface Medicall 800 - medifon 2010 — 130.6910

The interface Medicall 800 - medifon 2010 is required in order to upgrade a medifon 2010 system to a Medicall 800 system.
The room bus of a medifon 2010 station is connected to a TCP/IP gateway via the Medicall 800 - medifon 2010 interface.
Answer station variant 1 must be swapped for an NCS, answer station variant 2/3 for a PC and a PC speech module.
Further information can be found in the Upgrading medifon 2010 to Medicall 800 documentation, doc. number 950.4007E.

Technical data

- Input voltage range: U_{in} = 19 to 28 V DC
- Current consumption (stand-by mode): approx. 25 mA
- Current consumption (operation): approx. 40 mA
- Frequency response: 250 Hz to 6 kHz (± 3 dB)
- Serial interface RS-232 without handshake line
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Storage temperature: 0 to 70 °C
- Relative humidity: max. 93 %, non-precipitating
- Dimensions (PCB), WxHxD: 68 x 115 x 17 mm
- Dimensions (mounting frame with PCB), WxHxD: 80 x 136 x 34 mm
- Weight (mounting frame with PCB): 105 g
- Weight (total): 175 g
- Standards:
  EN 61000-6-1 (immunity to interference)
  EN 61000-6-2 (radiation stability)
  EN 61000-6-3 (emissions)
  DIN VDE 0834

Components

1 Mounting frame with PCB
1 Cover plate
2 Threaded bolts
1 Terminal, screwless, 2 pin (3.5 mm) 125.6620
4 Terminal, screwless, 4 pin (3.5 mm) 125.6640

You will also need

1 Programming cable RJ-45 LON 700.022
For connection to NCS or PC speech module
1 Serial cable, Sub-D, 1:1
For connection to TCP/IP gateway

Kit for Interface Medicall 800 - medifon 2010, answering station variant 2/3 — 130.6920

The kit for the Interface Medicall 800 - medifon 2010, stock code number 130.6910, is required if you want to replace a medifon 2010 answering station variant 2 or 3 and connect the interface to an NCS Nurse control station.
The kit is not required if you connect the interface to a TCP/IP gateway.
Further information can be found in the Upgrading medifon 2010 to Medicall 800 documentation, doc. number 950.4007E.

Technical data

- Dimensions (WxHxD): 135 x 90 x 30 mm
- Weight (total): 80 g

Components

1 Cover plate
1 RJ45 socket with connecting lines
1 Sub-D plug

You will also need

1 Luster terminal, 8 pin
2 Programming cable RJ-45 LON 700.022
For connection of PC speech module, stock code number 130.37x0, to:
– Lonworks to PC (USB) interface 130.9740
– Cover plate from the kit for interface Medicall 800 - medifon 2010, answering station variant 2/3
1 Mounting frame E2 (pure white) 201.420

LED display driver node (output module RS 232) 130.697

For controlling the display of calls and messages on the corridor display.
Component of these sets:
- SET - Corridor display, single sided 138.5501S
- SET - Corridor display, double sided 138.5701S

Characteristics
- Transmits the highest-rated call to the corridor display
- Can be programmed to display selected call types (e.g. faults, service calls, cardiac call)
- Volume control of acoustic call forwarding, remote controlled
- The presence button can be pressed to switch acoustic call forwarding on or off
- Connection via RS-232 or RS-485

Technical data
- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Power consumption: 60 mA
- Fuse: 20 mm glass fuse, 1.6 A
- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (ABS)
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 165 x 95 x 32.5 mm
- Weight: 160 g

Components
1 LED display driver node
1 Presence button, green, with pilot lamp (LED, green)
1 Presence button, yellow, with pilot lamp (LED, yellow)

You will also need
8 Terminal clamp connector 141.5840

Small LCD node (ans/store/scroll) S1 130.7000

Two-line room display module.
Component of these sets:
- SET - Small room LCD node pres./call & ans./store/scroll S2 138.1610S
- SET - Communication terminal with buttons and LCD node S3 138.1720S

Characteristics
- Can be programmed as central display to display selected call types (e.g. faults, service call, cardiac call)
- Activation and deactivation of the station/group interconnections
- Displays the highest-rated call
- Scrolling function for displaying further calls
- Displays the presences in the station provided there is no call
- Storing of patient calls
- Displays lists for: presences, messages, stored calls and faults
- 1 output for external acoustic signaller (acoustic call forwarding)
- The following inputs and outputs are available on the small LCD node:
  - 1 Voltage-coded call line with own output for reassurance light (LED, yellow), with line monitoring for call terminals in the room and/or by the beds
  - 1 Voltage-coded WC line with own output for reassurance light (LED, yellow), with line monitoring
  - 1 Input for other calls
  - 3 Outputs for the signal lamps of the overdoor light without electronics (call, WC call, presence)

Technical data
- LCD display: 2x16 characters, alphanumeric, character height: 4 mm (5 x 7 pixels), display size 66 x 14 mm, illuminated
- Power consumption: 20 mA when idle, 100 mA with presence
- Self-resetting fuse (Polyswitch): 1.5 A, reset time: a few seconds
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (ABS)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 88 x 88 x 25 mm
- Weight: 119 g

Components
1 Illuminated LCD display for call indication
1 Answer button, light grey, for answering incoming calls, with pilot lamp (LED, yellow)
1 Store button, light grey, for storing answered calls, with pilot lamp (LED, yellow)
1 Scroll button, light grey, for displaying further calls, with pilot lamp (LED, yellow)

Small room LCD node (pres./call/scroll) S1 — 130.7010

Two-line room display module. Component of this set:

- SET - Small room LCD node pres./call/scroll S1 138.1600S

Characteristics

- Can be programmed as central display to display selected call types (e.g. faults, service call, cardiac call)
- Activation and deactivation of the station/group interconnections
- Displays the highest-rated call
- Scrolling function for displaying further calls
- Displays the presences in the station provided there is no call
- Displays lists for: presences, messages, stored calls and faults
- 1 output for external acoustic signaller (acoustic call forwarding)
- The following inputs and outputs are available on the small LCD node:
  - 1 Voltage-coded call line with own output for reassurance light (LED, yellow), with line monitoring for call terminals in the room and/or by the beds
  - 1 Voltage-coded WC line with own output for reassurance light (LED, yellow), with line monitoring
  - 1 Input for other calls
  - 3 Outputs for the signal lamps of the overdoor light without electronics (call, WC call, presence)
- 1 call button, red, for initiating a patient call, with locating light and reassurance light (LED, yellow)
- 1 presence button, green, for activating the display, with symbol and pilot lamp (LED, yellow)

Technical data

- LCD display: 2x16 characters, alphanumeric, character height: 4 mm (5 x 7 pixels), display size 66 x 14 mm, illuminated
- Power consumption: 20 mA when idle, 100 mA with presence
- Self-resetting fuse (Polyswitch): 1.5 A, reset time: a few seconds
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (ABS)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 88 x 88 x 25 mm
- Weight: 120 g

Components

1 Illuminated LCD display for call indication
1 Presence button, green, for activating the display, with pilot lamp (LED, yellow)
1 Call button for call, red, with reassurance light (LED, yellow)
1 Scroll button, light grey, for displaying further calls, with pilot lamp (LED, yellow)
1 VL Base module buzzer, DIN VDE, with connecting wires

Small room LCD node (pres./call/scroll) S1, white — 130.7011

Two-line room display module. Component of this set:

- SET - Small room LCD node pres./call/scroll S1, white 138.1601S

Characteristics

- Can be programmed as central display to display selected call types (e.g. faults, service call, cardiac call)
- Activation and deactivation of the station/group interconnections
- Displays the highest-rated call
- Scrolling function for displaying further calls
- Displays the presences in the station provided there is no call
- Displays lists for: presences, messages, stored calls and faults
- 1 output for external acoustic signaller (acoustic call forwarding)
- The following inputs and outputs are available on the small LCD node:
  - 1 Voltage-coded call line with own output for reassurance light (LED, yellow), with line monitoring for call terminals in the room and/or by the beds
  - 1 Voltage-coded WC line with own output for reassurance light (LED, yellow), with line monitoring
  - 1 Input for other calls
  - 3 Outputs for the signal lamps of the LED light without electronics, dome style (call, WC call, presence)
- 1 call button, red, for initiating a patient call, with locating light and reassurance light (LED, yellow)
- 1 presence button, green, for activating the display, with symbol and pilot lamp (LED, yellow)

Technical data

- LCD display: 2x16 characters, alphanumeric, character height: 4 mm (5 x 7 pixels), display size 66 x 14 mm, illuminated
- Power consumption: 20 mA when idle, 100 mA with presence
- Self-resetting fuse (Polyswitch): 1.5 A, reset time: a few seconds
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS), antimicrobial
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 88 x 88 x 25 mm
- Weight: 120 g

Components

1 Illuminated LCD display for call indication
1 Presence button, green, for activating the display, with pilot lamp (LED, yellow)
1 Call button for call, red, with reassurance light (LED, yellow)
1 Scroll button, light grey, for displaying further calls, with pilot lamp (LED, yellow)
1 VL Base module buzzer, DIN VDE, with connecting wires

Relay control module (RCM) F1 — 130.7301

Relay control module for actuating an audio channel within a station.
Component of this set:

- SET - Speech control node 2xF1 138.5310S

Characteristics

- Programmable attention signal
- Up to 4 cross-station speech channels
- Group announcement amplifier

Technical data

- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Power consumption: 20 mA when idle
- Fuse: Littlefuse 0.5 A T
- Colour: housing traffic white (RAL 9016)
- Material: housing plastic (ABS), antimicrobial
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 110 x 41 mm
- Weight: 150 g

Components

1 Housing
1 Electronics with relay
1 Mounting frame, white F1, deep 130.2910

You will also need

- Universal input/output node (UIO) F1130.5301

Speech handset V1 — 130.7402

Speech handset for connecting to the central display, station display, group display or parallel display.

Characteristics

- Calls are answered automatically when the handset is picked up
- Suitable for wall mounting, as desktop unit with Desk bracket for speech handset V1, stock code number 130.7410

Technical data

- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Power consumption: 10 mA when idle, 100 mA when active
- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 90 x 230 x 62 mm
- Weight: 346 g

Components

1 Hookswitch for automatic call answering
1 Pilot lamp (LED, yellow) for displaying answered calls
1 Light button with “light” symbol
1 Door-opening button with “door opening” symbol
1 Control electronics with amplifier and connection field
1 Handset with loudspeaker and electret microphone

Desk bracket for speech handset V1 — 130.7410

Desk bracket for Speech handset V1, stock code number 130.7402.

Characteristics

- Mounted on Speech handset V1
- Connects the speech handset to the central display, station display, group display or parallel display with Sub-D plug via SET - Socket panel VDE, stock code number 125.7500S

Technical data

- Colour: pure white (RAL 9010)
- Material (desktop kit): plastic
- Dimensions (WxHxD): without speech handset 40 x 70 x 135 mm, with speech handset 90 x 125 x 230 mm

Components

- Desk bracket
- Cable with 15-pin Sub-D plug and 12-pin AMP plug, 3 m

Communication terminal Touch LON — 130.7511

Communication terminal for bedwise and roomwise handsfree speech. With control buttons and colour display with touchscreen.

Characteristics

- Addressable LON node with control electronics for all room components.
- Speak to all rooms with active presences and rooms with stored calls
- Speak to any rooms or beds of the call system
- Display all calls, messages, stored calls and presences The background colour of the display changes according to the call category, e.g. nurse emergency call with red background, cardiac call with blue background
- Answer all calls and messages
- Announcement to the whole call system, the particular station and to presences
- Telephoning (Medicall 800 must be connected to a PABX)
- Set the timer for call lines in the room
- Configurable display buttons. For frequently used functions. Also for signalling the room status (dirty, room cleaning).
- Intuitive menu control with touchscreen
- With RFID antenna. Registers wireless RFID tags held in the vicinity of the communication terminal. The communication terminal forwards the information of the RFID tag to the tag server (stock code number 230.2420) and mediLog logs this information.
- The RFID tags can be assigned with mediPage (e.g. presence 1 or 2, service, doctor).
- RFID tags for presence 1 and 2 allow the nursing staff to set the presence wirelessly.
- The function of the presence button can be configured with the ZETLON configuration software (e.g. no function).
- Electronics for control and evaluation:
  - 6 equivalent, freely configurable call lines for connection of call and cancel panels for beds, rooms or wet rooms with locating light and reassurance light
  - Control and evaluation of a 6-colour overdoor light
  - Control of an external loudspeaker, e.g. for the wet room
- Connection via LON network
- For vertical mounting with mounting frame with terminal board on a double round flush mounting box R2 or E2 130.7600
- Surface mounting possible with:Surface mounting frame for CT Touch 130.7630
- The firmware can be updated with an OTG adapter (USB A – USB mini-B) and a USB flash drive via the USB port (type mini-B).

Technical data

- Power consumption: 260 mA when idle, max. 480 mA (with 4 sockets, 4 patient's handsets with speech, 4 radio adapters, call and reset panel, pull cord panel)
- Maximum load of the outputs
  - Terminals 1a, 2, 3, 4a: 0,5 A
  - Terminals 1b, 4b: 50 mA
- Integrated RFID receiver conforming to ISO/IEC 15693, frequency 13.56 MHz
- Environmental conditions and EMC compliant with DIN VDE 0834, part 2, environmental class 1
  - Ambient temperature: 0 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Colour: traffic white (RAL 9016)
- Material (housing and membrane keypad): plastic (ABS), antimicrobial
- Weight: 257 g
- Dimensions (WxHxD) 95 x 218 x 21 mm

Components

- Integrated broadband speaker and electret microphone
- Graphic colour display with touchscreen 8.9 cm (3.5"), resolution 320 x 240 pixels
- Membrane keyboard with:
  - Call button, red, with locating light and reassurance light (LED)
  - Presence button, green, with reassurance light (LED)
  - Presence button, yellow, with reassurance light (LED)
  - Freely configurable button, blue, with S symbol, with reassurance light (LED), e.g. for special calls like doctor call or cardiac call
  - Answer/store button, grey, with pilot LED
  - Call LED for displaying active calls
- USB connection for loading the software

You will also need

- Mounting frame with terminal board for CT Touch LON 130.7600
- For updating the firmware:
  USB adapter (USB A – USB mini-B) with OTG function and USB flash drive

Communication terminal Touch LAN 130.7521

Communication terminal for bedwise and roomwise handsfree speech. With control buttons and colour display with touchscreen.

Characteristics

- Addressable communication terminal with control electronics for all room components.
- Speak to all rooms with active presences and rooms with stored calls
- Speak to any rooms or beds of the call system
- Display all calls, messages, stored calls and presences The background colour of the display changes according to the call category, e.g. nurse emergency call with red background, cardiac call with blue background
- Answer all calls and messages
- Announcement to the whole call system, the particular station and to presences
- Telephoning (Medicall 800 must be connected to a PABX)
- Set the timer for call lines in the room
- Configurable display buttons. For frequently used functions. Also for signalling the room status (dirty, room cleaning).
- Intuitive menu control with touchscreen
- With RFID antenna. Registers wireless RFID tags held in the vicinity of the communication terminal. The communication terminal forwards the information of the RFID tag to the tag server (stock code number 230.2420) and mediLog logs this information.
- The RFID tags can be assigned with mediPage (e.g. presence 1 or 2, service, doctor).
- RFID tags for presence 1 and 2 allow the nursing staff to set the presence wirelessly.
- The function of the presence button can be configured with the ZETLON configuration software (e.g. no function).
- Electronics for control and evaluation:
  - 6 equivalent, freely configurable call lines for connection of call and cancel panels for beds, rooms or wet rooms with locating light and reassurance light
  - Control and evaluation of a 6-colour overdoor light
  - Control of an external loudspeaker, e.g. for the wet room
- Connection via LAN cable
- For vertical mounting with mounting frame with terminal board on a flush mounting box E2 130.7611
- Surface mounting possible with:Surface mounting frame for CT Touch 130.7630
- There are two ways of updating the firmware:
  - Via LAN
  - Using an OTG adapter (USB A – USB mini-B) and a USB flash drive via the USB port (type mini-B)

Technical data

- Power consumption: 260 mA when idle, max. 480 mA (with 4 sockets, 4 patient's handsets with speech, 4 radio adapters, call and reset panel, pull cord panel)
- Maximum load of the outputs
  - Terminals 1a, 2, 3, 4a: 0,5 A
  - Terminals 1b, 4b: 50 mA
- Integrated RFID receiver conforming to ISO/IEC 15693, frequency 13.56 MHz
- Environmental conditions and EMC compliant with DIN VDE 0834, part 2, environmental class 1
  - Ambient temperature: 0 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Colour: traffic white (RAL 9016)
- Material (cover plate and membrane keypad): plastic (ABS), antimicrobial
- Weight: 257 g
- Dimensions (WxHxD) 95 x 218 x 21 mm

Components

- Integrated broadband speaker and electret microphone
- Graphic colour display with touchscreen 8.9 cm (3.5"), resolution 320 x 240 pixels
- Membrane keyboard with:
  - Call button, red, with locating light and reassurance light (LED)
  - Presence button, green, with reassurance light (LED)
  - Presence button, yellow, with reassurance light (LED)
  - Freely configurable button, blue, with S symbol, with reassurance light (LED), e.g. for special calls like doctor call or cardiac call
  - Answer/store button, grey, with pilot LED
  - Call LED for displaying active calls
- USB connection for loading the software

You will also need

- Mounting frame with terminal board for CT Touch LAN 130.7611
- If updating the firmware using a USB port: USB adapter (USB A – USB mini-B) with OTG function and USB flash drive

Mounting frame with terminal board for CT Touch LON — 130.7600

Mounting frame with terminal board for mounting the communication terminal Touch LON on round flush mounting box S2 or E2.

Surface mounting possible with:

- Surface mounting frame for CT Touch 130.7630

The mounting frame serves as a distributor for connection of the room components (call panel, socket, light etc.), system bus and RS 485 bus.

The cabling can be installed and tested without the CT Touch.

Technical data

- Colour (mounting frame): traffic white (RAL 9016)
- Material (mounting frame): plastic (ABS), antimicrobial
- Weight: 106 g
- Dimensions (WxHxD) 92 x 213 x 25 mm

Components

1 Mounting frame with terminal board (with plaster protection for the PCB)
2 Terminal, screwless, 3 pin (3.5 mm) 125.6630
10 Terminal, screwless, 4 pin (3.5 mm) 125.6640

You will also need

- Communication terminal Touch LON130.7511

Mounting frame with terminal board for CT Touch LAN — 130.7611

Mounting frame with terminal board for mounting the communication terminal Touch LAN on a flush mounting box E2.

Surface mounting possible with:

- Surface mounting frame for CT Touch 130.7630

The mounting frame acts as a distributor for connection of the room components (call panel, socket, light etc.), for connection to the LAN network of the care communications system and of the RS 485 bus.

The cabling can be installed and tested without the CT Touch.

Technical data

- Colour (mounting frame): traffic white (RAL 9016)
- Material (mounting frame): plastic (ABS), antimicrobial
- Weight: 106 g
- Dimensions (WxHxD) 92 x 213 x 25 mm
- RJ45 socket for connection to LAN network

Components

1 Mounting frame with terminal board (with plaster protection for the PCB)
2 Terminal, screwless, 3 pin (3.5 mm) 125.6630
9 Terminal, screwless, 4 pin (3.5 mm) 125.6640

You will also need

- Communication terminal Touch LAN 130.7521

Surface mounting frame for CT Touch — 130.7630

Mounting frame for surface mounting of the communication terminal Touch. Suitable for:

- Communication terminal Touch LON130.7511
- Communication terminal Touch LAN 130.7521

Technical data

- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Weight: 82 g
- Dimensions (WxHxD) 95 x 218 x 25 mm

Adapter for installation box, 141.5810, for CT Touch 130.7640

Adapter for mounting the communication terminal Touch on a Metal installation box S3, stock code number 141.5810.

Suitable for:

- Communication terminal Touch LON 130.7511
- Communication terminal Touch LAN 130.7521

Technical data

- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Weight: 109 g
- Dimensions (WxHxD) 120 x 330 x 10 mm

NC Switch, 24 ports — 130.7660

NC switch for the power supply and data exchange of connected IP-capable system devices.

The NC switch, 24 ports has several functions:

- Data exchange between the system devices of Medicall 800.
- Power supply of the connected components of the call system (20 ports with 24 V to 28 V, individually protected and divided into 3 groups).
  The power is supplied by connected power supply units.
  The NC switch is not suitable for standard PoE components (IEEE 802.3af-2003, IEEE 802.3at-2009).
- TCP/IP gateway and non-system devices (e.g. service PCs) may only be connected to ports without a power supply.
- Components connected by LAN cable.
- Emergency mode function:
  - If the connection to the main control unit fails, the NC switch distributes all calls of connected nodes between them.
  - In emergency mode calls can be sent to the LON network via the connected room electronics and received from it via the universal I/O node.
  - If other NC switches are connected, in emergency mode it forwards calls to them. A maximum of 6 NC switches can be connected.
  - If the NC switch is connected to an alarm system, this signals the calls of connected nodes in emergency mode.
- No programming required.
- Fan can be monitored separately.

Suitable for:

- Communication terminal Touch LAN 130.7521

Technical data

- LEDs
  - For every port: connection/activity
  - For each of the 3 groups of ports:
    Constant red light: Power supply to communication terminal Touch LAN OK
    Flashing red: Short circuit or fuse tripped
  - Mains voltage
  - Fan failed
- Mounting in 19" rack (48.3 cm)
- Input voltage range: 1 x 24 to 28 V/10 A
- Ports: Data transfer rate 10/100 MB, full duplex
- Outputs for alarm system:
  - 3 static outputs for signalling calls, emergency calls and alarms
  - Output for signalling if fan has failed
  - Output voltage: max. 28 V, each 120 mA
- Galvanically isolated inputs:
  - 3 inputs for calls, emergency calls and alarm
  - Operating voltage: 20 to 28 V, max. 1.5 mA
- Galvanically isolated output:
  - 1 output for calls, emergency calls and alarm
  - Operating voltage: max. 28 V, 56 mA
- Cable between communication terminal Touch LAN and NC switch:
  - Cat. 6/7 cable, solid copper leads, no copperplated aluminium
  - Length:
    AWG 24 (0.20 mm^2) max. 70 m
    AWG 23 (0.26 mm^2) max. 85 m
    AWG 22 (0.33 mm^2) max. 100 m
- Power consumption:
  - Switch: 335 mA
  - PoE: 11 to 95 mA (depending on number of activated port groups)
  - For connection to LON network: 42 mA
- Output power for ports with power supply by LAN cable:
  - PoE 1 port: max. 1 A
  - PoE group of ports: max. 5 A
  - PoE total: max. 10 A (depending on power supply)
- Output power for fan monitoring: 75 mA
- Input voltage range: max. 10 A
- Dimensions (WxHxD): 483 x 45 x 229 mm
- IP code: IP 10
- Ambient temperature: 10 to 49 °C
- Relative humidity: max. 85 %, non-precipitating

Components

1 NC Switch, 24 ports
2 Terminals, screwless, 6 pin (3.5 mm)

You will also need

- Screws with plain washers and captive nuts for mounting in 19" rack

TCP/IP gateway — 130.8000

The TCP/IP gateway is a main control unit that monitors all nodes of the station. Other functions include:

- Connection to other TCP/IP gateways via LAN or LON (only one type of connection in a system)
- galvanically isolated data line amplifier for connecting one station to other stations via LON
- Voice control for controlling the audio channels of a station or audio channels across a number of stations
- Switch for the LAN ports Port 1, Port 2, Port 3

Characteristics

- System bus connection for linking to other stations and a maximum of 2 system bus segments for the connection in the station
- Input for system bus is galvanically isolated from the outputs for the system bus segments Bus 1 and Bus 2
- Monitoring of max. of 119 nodes in the station
- Monitoring of max. 10 nodes from the central subnet that are assigned to this TCP/IP gateway
- Configuration via ZETLON
- All station configuration data saved
- For system bus with LAN cabling:
  - Voice contact between stations via VoIP; simultaneously max. 2 VoIP connections per TCP/IP gateway.
  - PCs are connected to the LAN network directly via the TCP/IP gateway.
  - The distance between 2 TCP/IP gateways may not exceed 100 m without installing a router or switch.
  - 5 analogue audio connections in the station. Also 1 analogue audio connection for central answer station.
- For LON cabling: 4 audio channels across a number of stations
- 4 inputs, isolated voltage free: of which 2 inputs for faults and messages, all 4 inputs for announcements of the PA system
- Fault contact
- LEDs for fault diagnosis
- Requires permanent IP address

Technical data

- Installation: on standard DIN rail 35 x 7.5 mm
- Input voltage range: 24 V/DC/max. 12 A
- Current consumption of TCP/IP gateway: 190 mA when idle, 350 mA when active
- Power supply of individual system bus segments: 24 V/3 A
  (or 24 V/5 A if the flat fuse is replaced with one for 5 A)
- Licensed in accordance with DIN VDE 0834.
- Environmental conditions and EMC compliant with DIN VDE 0834, part 2, environmental class 1
  - Ambient temperature: 0 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 00
- Dimensions (WxHxD): 246 x 50 x 128 mm
- Weight: 400 g
- Housing: made from PVC/polyamide, colour pale green

Components

1 Housing with PCB
2 Terminal, screwless, 2 pin (3.5 mm) 125.6620
1 Terminal, screwless, 3 pin (3.5 mm) 125.6630
11 Terminal, screwless, 4 pin (3.5 mm) 125.6640
1 Terminal, 24 V
1 Standard DIN rail 35 x 7.5 mm, length 220 mm
5 Flat fuses 3 A (violet)
5 Flat fuses 5 A (light brown)
4 Screws

PCB for TCP/IP gateway — 130.8010

Replacement PCB for TCP/IP gateway.
This PCB has no processor module and no fuses. These must be taken from the old PCB.
Suitable for:

- TCP/IP gateway 130.8000

Technical data

- Mounting in housing of the TCP/IP gateway
- IP code: IP 00
- Dimensions (WxHxD): 230 x 15 x 120 mm
- Weight: 232 g

Components

1 PCB without processor module

Star wiring hub — 130.8100

Distributor for star wiring of max. 10 system bus segments (LON). One individual room or even several components can be connected to each system bus segment.

Characteristics

- Connection of system bus and max. 10 system bus segments
- Connection of max. 31 nodes per 2 associated system bus segments
- System bus input is galvanically isolated from the outputs for the system bus segments
- Pairs of system bus segments can be configured with jumpers (bus on/off, audio on/off, terminating resistor)
- LEDs and measuring points for fault diagnosis

Technical data

- Installation: on standard DIN rail 35 x 7.5 mm
- Input voltage range: 2x24 V/max. 10 A
- Power supply of individual system bus segments: 24 V/5 A
- Power consumption:
  - Bus In: 21 mA when idle, 80 mA when active
  - +24V In 1: 41 mA when idle (PCB, LEDs, system bus segments 1 to 5), active 50 mA
  - +24V In 2 (system bus segments 6 to 10): 20 mA
- Licensed in accordance with DIN VDE 0834.
- Environmental conditions and EMC compliant with DIN VDE 0834, part 2, environmental class 1
  - Ambient temperature: 0 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 00
- Dimensions (WxHxD): 217 x 50 x 128 mm
- Weight: 400 g
- Housing: made from PVC/polyamide, colour pale green

Components

1 Housing with PCB
22 Terminal, screwless, 4 pin (3.5 mm) 125.6640
2 Terminals, 24 V
1 Standard DIN rail 35 x 7.5 mm, length 220 mm
15 Flat fuses 3 A (violet)
15 Flat fuses 5 A (light brown)
4 Screws

Care communication server — 130.8930

PC answer station, for care support points, nurse duty rooms or as a central main answer station, preinstalled with mediGraph visualisation software, mediLog logging software and mediPage interface software, in compact housing, fanless, for connection to the power supply of the call and communication system.

Characteristics

- Fanless passively cooled industrial PC
- Processor: Intel Celeron, 1.6 GHz, 4 GB RAM
- Hard disk: 120 GB SSD
- Interfaces:
  - 4 LAN interfaces 10/100/1000 Mbit/s, 1000 Base-T, RJ45
  - 4 Serial interfaces
    COM1 and COM2: RS-232
    COM3 and COM4 RS-422/485
    The serial ports are pre-configured:
    COM1: Call Escalator
    COM2: PagerDemo
  - 4 USB ports, 2 USB 2.0 and 2 USB 3.0
  - 1 HDMI 1.4a monitor connection
  - 1 VGA monitor connection
  - 1 HD audio interface (Line In, Line Out)
- Preinstalled software (software for which a licence must be purchased is marked):
  - Call Escalator (licence required) 230.2300
  - FileZilla (FTP client)
  - LON IP Listener
  - mediGraph (licence required) 230.2200
  - mediGraph Administrator
  - mediLog (licence required) 230.2400
  - mediPage (licence required) 230.2100
  - NetInst (licence required) 230.970
  - PagerDemo
  - Shiftswitcher
  - Tagserver for localisation 230.2420
  - VCON configuration software telephone interface IP/ISDN
  - ZETLON (licence required) 230.975
- Operating system: Windows 7 Ultimate Embedded 64 Bit, German preset, available languages: German, English, French, Italian

Technical data

- Input voltage range: 24 V
- Power consumption: 28 W
- Housing: aluminium
- Dimensions (WxHxD): 225 x 62 x 149 mm
- Weight: 1.6 kg
- IP code: IP 40
- Ambient temperature: -20 to 60 °C at 5 to 85 % relative humidity

Components

1 Care communication server
1 Terminal, 24 V
1 Network cable, transposed

You will also need

For each area:
1 Lonworks to PC (USB) interface 130.9740
For connection to the LON network.
or
1 TCP/IP gateway 130.8000

Terminal clamp connector, 400 units — 130.910

Modular plug-in terminals for connecting the Medicall 800 devices. Screwless, single-pole, for connecting up to 4 rigid wires (4-pair transmission cable). The terminals are modular and can be combined together to form different combinations.

Technical data

- Spacing: 5.8 mm
- Range: 0.6 to 1.0 mm diameter
- Wire size per terminal: 4 x 0.5 to 1.0 mm^2 (solid wire)

Components

400Terminal clamp connector 141.5840

End of line resistor for LON system bus, 120 Ohm — 130.9110

Terminating resistor for termination of both ends of system bus segments.

Connector set for small LCDs — 130.9120

Screw terminals for connecting the H 10 and H 10/NA small LCD nodes, stock code numbers 130.7000, 130.7010.

Component of these sets:

- SET - Small room LCD node pres./call/scroll S1 138.1600S
- SET - Small room LCD node pres./call & ans./ store/scroll S2 138.1610S
- SET - Communication terminal with buttons and LCD node S3 138.1720S

Technical data

- Wire size per terminal: 0.5 to 1.0 mm^2 (solid wire)
- Weight: 8 g

Components

4 screw terminals, 2-pin (spacing 3.5 mm)
3 screw terminals, 3-pin (spacing 3.5 mm)

Plastic DIN rail adaptor — 130.9201

Snap-on fixture for isolated mounting of the room electronics, receiver for lamp control, data line amplifier etc. on a standard DIN rail 35 x 7.5 mm. Mounted with a mounting frame, stock code number 130.2900.

With screw and plain washer.

Technical data

- Weight: 2 g

Handset with cable for PCAIM — 130.9270

Handset for these answer stations:

- NCS Touch, Nurse Control Station with touch screen and audio 130.3630
- PCAIM audio interface module 130.3700

Technical data

- Handset dimensions (WxHxD): 225 x 46 x 51 mm
- Weight: 180 g
- Colour: traffic white (RAL 9016)
- Material: plastic (PC+ABS)

Lonworks to PC (USB) interface — 130.9740

The **Lonworks to PC (USB) interface** ("XLON") with galvanic isolation acts as an interface between the PC and Medicall 800 (LON).
The interface cannot be installed on Windows NT.
If TCP/IP gateways with LAN cabling are used, PCs are connected via the TCP/IP gateway and not the Lonworks to PC (USB) interface, stock code number 130.9740.

Characteristics

- Galvanic isolation between Medicall 800 (LON, call system) and PC (USB) to avoid ground loops
- Easy installation (plug and play)

Technical data

- Test voltage: 1500 V_{eff}
- USB-compliant: as per specification 1.1 (12 Mbit/s)
- Network (nurse call): RS 485; connection via special RJ45 data cable (stock code number 700.022)
- Input voltage range: via USB connection
- Power consumption: approx. 100 mA at 5 V DC ± 5 %
- Function service pin: from the PC or service pin button on the unit
- Configuration status: on the PC or service LED
- IP code: IP 40
- Ambient temperature: 0 to 50 °C
- Storage temperature: -45 to 85 °C
- Relative humidity: max. 90 % at 50 °C, non-precipitating
- Dimensions (WxHxD): 123 x 68 x 30 mm
- Weight: 100 g
- Installation: as desktop or wall unit
- EMC Directive: 89/336/EEC, as amended by 92/31/EEC
- EMC standards: EN 61000-6-3 (emission), EN 61000-6-1 (immunity to interference)
- EC conformity: CE mark

Delivery package

- Lonworks to PC (USB) interface with galvanic separation
- USB cable
- Wall mounting bracket

You will also need

1	Programming connection unit RJ-45 LON	700.021
1	Programming cable RJ-45 LON	700.022

LON Router, 5 ports — 130.9810

The LON router, 5 ports is a router with the following characteristics:

- 5 ports for connecting 5 network areas, each port max. 150 nodes
- Self-learning; transmits data packages on the basis of subnet/group/node addresses
- Ports connected with RS 485
- Diagnostics LEDs for each port for network activity, overload, errors
- Status LED for the LON router for voltage and errors
- Indicator for voltage supply, processor temperature
- Mounted on standard DIN rail 35 x 7.5 mm or wall mounted

Technical data

- Processes max. 3500 data packets/second at max. 256 bytes/data packet
- Wire cross-section: max. 1,5 mm^2
- Input voltage: 12-35 V DC or 12-24 V AC
- Power input: typically 3 W
- Power consumption: up to 1100 mA at 24 V AC
- IP code: IP 40 (housing inside), IP 20 (connections)
- Ambient temperature: 0 to 50 °C
- Storage temperature: -20 to 85 °C
- Relative air humidity (non-condensating): operation 10 to 90 % at 50 °C, storage max. 90 % at 50 °C
- Installation: on standard DIN rail 35 x 7.5 mm or wall mounted
- Dimensions (WxHxD): 164 x 60 x 100 mm
- Weight: 342 g

Components

- LON router, 5 ports
- Connection terminals

Surface mounting frame for display	**130.9920**

For installation of LCD Nurse station display node with monitoring and control functions R2, stock code number 130.310. Offers plenty of space for cable inputs.
For surface mounting.

Technical data

- Dimensions (WxHxD): 165 x 95 x 18 mm
- Colour: pure white (RAL 9010)
- Material: plastic (ABS)

Surface mounting frame for display, white	**130.9921**

For installation of SET - Universal LCD display, white, stock code number 138.3101S. Offers plenty of space for cable inputs.
For surface mounting.
Component of this set:

- SET - Universal LCD display, white 138.3101S

Technical data

- Dimensions (WxHxD): 165 x 95 x 18 mm
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS), antimicrobial

TV Interface IP-TV 131.1050

Interface for connecting an IP TV to Medicall 800 via a set-top box. The IP TV must support HDMI-CEC. Clarify with your local sales partner whether your IP TV supports the HDMI-CEC commands of the TV interface.

The TV interface allows a TV to be operated with these patient's handsets:

- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, antimicrobial 125.5701
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 125.5711
- VL Patient´s handset, 1 call button, 2 light buttons, connector for headphone, radio/TV, with speech, antimicrobial 125.5731
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710
- VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with orientation dependent speech, antimicrobial 127.5750
- VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with orientation dependent speech, antimicrobial 127.5770

Characteristics

- TV remote controlled using the patient's handset:
  - TV-on/off
  - Change channel
  - Sound in headphones quieter/louder
- Sound via headphones of the patient's handset
- Attaches to the back of the TV with velcro fastener
- Connection to TV via cable adapter and Arantia Chronos STB
- Connection to RJ45 socket
- Connection of RJ45 socket to VL Adapter with radio/TV module, 15 pin, stock code number 125.0801, with telecommunications cable J-Y(St)Y 4x2x0.6

Technical data

- Dimensions (WxHxD): 82x31x50 mm
- Length of cable:
  - Cable with two RJ45 plugs: 1 m
  - Cable adapter RJ12 plug to TV interface: 0.4 m
  - Cable adapter RJ12 plug to STB: 0.45 m
  - Cable adapter 3.5 mm jack plug to IP TV: 0.45 m
- Weight: 85 g (without cable), 158 g (with cable)
- Plastic, black

Components

1 TV Interface IP-TV
1 Cable adapter with two RJ12 plugs and one 3.5 mm jack plug
1 Cable with two RJ45 plugs
2 Self-adhesive velcro strap

You will also need

1 Arantia Chronos STB (firmware version 2.2.8)
1 RJ45 socket, 8 pin
1 VL Adapter with radio/TV module, 15 pin 125.0801
1 Configuration adapter patient´s handset 125.6060
Only required for the configuration of patient's handsets.

Telephone interface IP — 131.5200

Interface to a telephone system so that the nursing personnel can use a telephone to answer calls, speak into rooms or make announcements.
Connection to a PABX by means of a VoIP trunk connection.
Nursing staff can also make calls to the public telephone network from components with a telephone function (e.g. NCS Touch, communication terminal Touch).

Characteristics

- In the PABX a number range for max. 500 components in a Medicall 800 system can be assigned to a telephone interface IP. The telephone interface then forwards calls to the pagers within the Medicall 800 system.
- Call processing and announcements by telephone possible.
  An external alarm server or Software extension ESPA-X protocol for telephone interface IP, stock code number 131.5220, is required to display calls on the telephone.
- 4 parallel audio connections, good speech quality.
- In the PABX only one call number (trunk number) must be assigned to the telephone interface.
- Connection to the Medicall 800 system via LAN to a TCP/IP gateway.
- A telephone interface IP can be assigned to several TCP/IP gateways. However, a TCP/IP gateway can only be connected to one telephone interface IP.
- Interface to PABX: RJ45 (VoIP trunk connection)
  If connecting via ISDN, instead of the telephone interface IP you will need the SET - Telephone interface IP/ISDN, stock code number 131.5290S.
- Input voltage range: via PoE injector, 131.5240, or PoE switch

Technical data

- Input voltage range: Power over Ethernet (PoE), Class 2 Mode A or B (IEEE 802.3af)
- Power input: max. 6.5 W
- Ambient temperature: 5 °C to 35 °C
- Relative humidity: max. 95 %, non-precipitating
- Dimensions (WxHxD): 105 x 30 x 165 mm
- Weight: 450 g

Components

- Telephone interface IP
- USB cable, length 3 m

You will also need

- Power over Ethernet (PoE) injector for telephone interface IP 131.5240
  or PoE switch

Telephone interface IP/ISDN — 131.5210

Spare part for:
- SET - Telephone interface IP/ISDN 131.5290S

Technical data

- Input voltage range: Power over Ethernet (PoE), Class 2 Mode A or B (IEEE 802.3af)
- Power input: max. 6.5 W
- Ambient temperature: 5 °C to 35 °C
- Relative humidity: max. 95 %, non-precipitating
- Dimensions (WxHxD): 105 x 30 x 165 mm
- Weight: 450 g

Components

- Telephone interface IP/ISDN
- USB cable, length 3 m

Software extension ESPA-X protocol for telephone interface IP — 131.5220

Software interface for the intelligent forwarding of calls from Medicall 800 to a connected pager, DECT or PABX system.

You will also need

- Medicall 800 system with TCP/IP gateway, connected via LAN
- Telephone interface IP 131.5200
  or
  SET - Telephone interface IP/ISDN 131.5290S
- SW mediPage 230.2100
- SW Call Escalator 230.2300

SET - Telephone interface ESPA-X — 131.5231S

Set with all components and software licences for connecting Medicall 800 to the PABX of a hospital or retirement home.

Components

- SW mediPage 230.2100
- SW Call Escalator 230.2300
- Care communication server 130.8930
- Telephone interface IP/ISDN 131.5210
- Software extension ESPA-X protocol for telephone interface IP 131.5220
- Power over Ethernet (PoE) injector for telephone interface IP 131.5240

Power over Ethernet (PoE) injector for telephone interface IP — 131.5240

Power supply via Ethernet cable IEEE in accordance with 802.3af for:

- Telephone interface IP 131.5200
- Telephone interface IP/ISDN 131.5210
- SET - Telephone interface IP/ISDN 131.5290S

Technical data

- Input voltage: 100 to 240 V AC at 47 to 63 Hz
- Current consumption: max. 0.35 A at 230 V, 0.5 A at 90 V
- Output voltage: 48 V ± 4 %
- Output current: max. 0.32 A ± 4 %
- Output power: max. 15.4 W
- Ambient temperature: 0 to 40 °C
- Storage temperature: -25 to 65 °C
- Relative humidity: max. 90 %, non-precipitating
- Safety standard: EN 60950-1
- EMC: FCC, Part 1, class B, EN 55022, class B
- Dimensions (WxHxD): 163 x 36 x 63 mm
- Weight: 420 g

Components

- PoE injector
- Patch cable, Cat 6, length 3 m
- Line cord, length 2 m

SET - Telephone interface IP/ISDN 131.5290S

Interface to a telephone system so that the nursing personnel can use a telephone to answer calls, speak into rooms or make announcements.
Connection to the PABX via ISDN or a VoIP trunk connection.
Nursing staff can also make calls to the public telephone network from components with a telephone function (e.g. NCS Touch, communication terminal Touch).

Characteristics

- In the PABX a number range for max. 500 components in a Medicall 800 system can be assigned to a telephone interface IP. The telephone interface then forwards calls to the pagers within the Medicall 800 system.
- Call processing and announcements by telephone possible.
  An external alarm server or Software extension ESPA-X protocol for telephone interface IP, stock code number 131.5220, is required to display calls on the telephone.
- 4 parallel audio connections, good speech quality.
- In the PABX only one call number (trunk number) must be assigned to the telephone interface.
- Connection to the Medicall 800 system via LAN to a TCP/IP gateway.
- A telephone interface IP can be assigned to several TCP/IP gateways. However, a TCP/IP gateway can only be connected to one telephone interface IP.
- Interface to PABX:
  – 2 x S_0-tie lines for 4 ISDN channels
  – Or RJ45 (VoIP trunk connection)
- Input voltage range: via PoE injector, 131.5240

Technical data

- Weight: 1.1 kg

Set components

1 Telephone interface IP/ISDN 131.5210
1 Power over Ethernet (PoE) injector for telephone interface IP 131.5240
2 Patch cable, Cat 6, length 3 m
1 Double socket S_0, shielded

SET - Small room LCD node pres./call/scroll S1 138.1600S

In addition to a two-line LCD display, the small room LCD node pres./call/scroll S1 also has a call panel, a presence panel and a scroll panel. A remote overdoor light without electronics is used for optical signalling.

Characteristics

- Can be programmed as central display to display selected call types (e.g. faults, service call, cardiac call)
- Activation and deactivation of the station/group interconnections
- Displays the highest-rated call
- Scrolling function for displaying further calls
- Displays the presences in the station provided there is no call
- Displays lists for: presences, messages, stored calls and faults
- 1 output for external acoustic signaller (acoustic call forwarding)
- The following inputs and outputs are available on the small LCD node:
  - 1 Voltage-coded call line with own output for reassurance light (LED, yellow), with line monitoring for call terminals in the room and/or by the beds
  - 1 Voltage-coded WC line with own output for reassurance light (LED, yellow), with line monitoring
  - 1 Input for other calls
  - 3 Outputs for the signal lamps of the overdoor light without electronics (call, WC call, presence)
- 1 call button, red, for initiating a patient call, with symbol and reassurance light (LED, yellow)
- 1 presence button, green, for activating the display, with symbol and pilot lamp (LED, yellow)

Technical data

- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (ABS)
- Dimensions (WxHxD): 112 x 130 x 25 mm
- Weight: 188 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- LCD display: 2x16 characters, alphanumeric, character height: 4 mm (5 x 7 pixels), display size 66 x 14 mm, illuminated
- Connection type: terminal clamp connectors
- Power consumption: 20 mA when idle, 100 mA with presence
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1 VL Surface mounting frame S1 125.4200
1 Small room LCD node (pres./call/scroll) S1 130.7010
Contains VL Base module buzzer VDE, with connecting wires
1 Connector set for small LCDs 130.9120

SET - Small room LCD node pres./call/scroll S1, white 138.1601S

In addition to a two-line LCD display, the small room LCD node pres./call/scroll S1 also has a call panel, a presence panel and a scroll panel. A remote LED light without electronics, dome style, is used for optical signalling.

Characteristics

- Can be programmed as central display to display selected call types (e.g. faults, service call, cardiac call)
- Activation and deactivation of the station/group interconnections
- Displays the highest-rated call
- Scrolling function for displaying further calls
- Displays the presences in the station provided there is no call
- Displays lists for: presences, messages, stored calls and faults
- 1 output for external acoustic signaller (acoustic call forwarding)
- The following inputs and outputs are available on the small LCD node:
  - 1 Voltage-coded call line with own output for reassurance light (LED, yellow), with line monitoring for call terminals in the room and/or by the beds
  - 1 Voltage-coded WC line with own output for reassurance light (LED, yellow), with line monitoring
  - 1 Input for other calls
  - 3 Outputs for the signal lamps of the LED light without electronics, dome style (call, WC call, presence)
- 1 call button, red, for initiating a patient call, with symbol and reassurance light (LED, yellow)
- 1 presence button, green, for activating the display, with symbol and pilot lamp (LED, yellow)

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 112 x 130 x 25 mm
- Weight: 188 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- LCD display: 2x16 characters, alphanumeric, character height: 4 mm (5 x 7 pixels), display size 66 x 14 mm, illuminated
- Connection type: terminal clamp connectors
- Power consumption: 20 mA when idle, 100 mA with presence
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Surface mounting frame S1, white	125.4201
1	Small room LCD node (pres./call/scroll) S1, white Contains VL Base module buzzer VDE, with connecting wires	130.7011
4	Terminal, screwless, 2 pin (3.5 mm)	125.6620
3	Terminal, screwless, 3 pin (3.5 mm)	125.6630

SET - Small room LCD node pres./call & ans./store/scroll S2 — 138.1610S

The small room LCD node S2 set consists of 2 modules:

- Two-line room display module with answer, store and scroll button
- Button module with call and presence button

Characteristics

- Plug-in modules
- For mounting in a double round mounting box or flush mounting box E2 either vertically or horizontally

Technical data

- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (ABS)
- Dimensions (WxHxD): 112 x 225 x 25 mm
- Weight: 304 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- LCD display: 2x16 characters, alphanumeric, character height: 4 mm (5 x 7 pixels), display size 66 x 14 mm, illuminated
- Connection type: terminal clamp connectors
- Power consumption: 25 mA when idle, max. 133 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL base module buzzer VDE	125.0002
1	VL Base module with button	125.0100
2	VL Button actuator pin	125.0110
1	VL Button cap presence 1, green (component of 127.2040)	
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate, 2 buttons	125.3200
1	VL Surface mounting frame S2	125.4210
1	VL Adapter frame S1 (also fits MK style boxes)	125.4100
1	Small LCD node (ans/store/scroll) S1	130.7000
1	Connector set for small LCDs	130.9120
6	Terminal clamp connector	141.5840

SET - Universal LCD display — 138.3100S

Answer station. Preconfigured as station display without speech.

Characteristics

- Can be configured as central display, station display, group display and parallel display
- Displays all calls arising in the station or group according to their priority and chronological order
- Scrolling and processing of the displayed calls
- Storing of patient calls
- Separate call filter for presence 1 and presence 2
- Displays the presences in the station provided there is no call
- Selective display and forwarding of any faults that occur
- Only as station display: monitoring of the nodes belonging to the station
- Activation and deactivation of the station/ group interconnections
- Only as central display: can be programmed to display only selected call types (e.g. faults, service call, cardiac call)
- Triggering of 2 presence lamps
- Inputs:
  - 2 inputs for external presences
  - 1 input for telephone call
  - 1 error message output
- 1 output for external acoustic signal transmitter
- Acoustic call forwarding via built-in buzzer
- Three-stage volume adjustment for acoustic call forwarding in the entire station
- Displays lists for: presences, messages, stored calls, faults
- Mounted in a double round mounting box R2 (horizontal)

Technical data

- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (ABS)
- Dimensions (WxHxD): 165 x 95 x 32.5 mm
- Weight: 229 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- LCD display: 2x16 characters, alphanumeric, character height: 8 mm (5 x 7 pixels), display size 99 x 24 mm (80 x 14 pixels), illuminated
- Connection type: terminal clamp connectors
- Power consumption: 20 mA when idle, 100 mA with presence
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	LCD Nurse station display node with monitoring and control functions R2	130.310
8	Terminal clamp connector	141.5840

SET - Universal LCD display, white — 138.3101S

Answer station. Preconfigured as station display without speech.

Characteristics

- Can be configured as central display, station display, group display and parallel display
- Displays all calls arising in the station or group according to their priority and chronological order
- Scrolling and processing of the displayed calls
- Storing of patient calls
- Separate call filter for presence 1 and presence 2
- Displays the presences in the station provided there is no call
- Selective display and forwarding of any faults that occur
- Only as station display: monitoring of the nodes belonging to the station
- Activation and deactivation of the station/ group interconnections
- Only as central display: can be programmed to display only selected call types (e.g. faults, service call, cardiac call)
- Triggering of 2 presence lamps
- Inputs:
  - 2 inputs for external presences
  - 1 input for telephone call
  - 1 error message output
- 1 output for external acoustic signal transmitter
- Acoustic call forwarding via built-in buzzer
- Three-stage volume adjustment for acoustic call forwarding in the entire station
- Displays lists for: presences, messages, stored calls, faults
- Mounted in a double round mounting box R2 (horizontal)

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 165 x 95 x 32.5 mm
- Weight: 229 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- LCD display: 2x16 characters, alphanumeric, character height: 8 mm (5 x 7 pixels), display size 99 x 24 mm (80 x 14 pixels), illuminated
- Connection type: terminal clamp connectors
- Power consumption: 20 mA when idle, 100 mA with presence
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	LCD Nurse station display node with monitoring and control functions R2, white	
1	Surface mounting frame for display, white	130.9921
8	Terminal clamp connector	141.5840

SET - LED light without electronics, dome style 138.4000S

LED light without electronics, dome style.

Characteristics

- For the display of presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with LEDs. Colours white, red, green, yellow/blue.
  The 4th luminous field can signal 2 colours:
  – Yellow: Presence 2, special call, special emergency call
  – Or blue: Cardiac call
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data

- Colour: plastic housing traffic white (RAL 9016), diffuser opal white, mounting frame pearl white (RAL 1013)
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC), mounting frame plastic (PA-GF)
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 124 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Connection type: terminal clamp connectors
- Power consumption: 20 mA/LED
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1 LED light without electronics, dome style 130.4000
1 Mounting frame for LED light 130.4510
2 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
1 Terminal, screwless, 6 pin (3.5 mm), green 125.6665

Accessories

1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

SET - LED light with electronics, dome style 138.4050S

LED light with electronics, dome style.

Characteristics

- For the display of presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with monitored LEDs. Colours white, red, green, yellow/blue.
  The 4th luminous field can signal 2 colours:
  – Yellow: Presence 2, special call, special emergency call
  – Or blue: Cardiac call
- Addressable LON node with control electronics for all room components.
- With 8 freely programmable monitored inputs and outputs for connecting room components in accordance with DIN VDE 0834:
  – Call and presence panel
  – Sockets at the bed
- For each input there is an output for a reassurance light for unambiguous identification of the call line in the room.
- 5 outputs for triggering external LED lights for displaying presence and calls and faults in the call lines.
- 2 outputs for acoustic call forwarding for buzzer of the presence panel.
- Connection for:
  Sounder for LED light with electronics 130.4500
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data

- Colour: plastic housing traffic white (RAL 9016), diffuser opal white, mounting frame pearl white (RAL 1013)
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC), mounting frame plastic (PA-GF)
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 159 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Connection type: terminal clamp connectors
- Power consumption:
  – 20 mA when idle
  – 20 mA/LED
  – Also current of external connected devices
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1 LED light with electronics, dome style 130.4050
1 Mounting frame for LED light 130.4510
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
6 Terminal, screwless, 6 pin (3.5 mm), green 125.6665

Accessories

1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

SET - LED light without electronics, multi-colour, dome style 138.4100S

LED light without electronics, dome style.
The light can display exactly the same colours and flashing pattern as the room electronics.
Connection with serial interface RS-485 to:

- SET - LED light with electronics, multi-colour, dome style 138.4150S
- SET - Room electronics, serial interface 138.4300S

Characteristics

- For the display of presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with monitored multi-colour LEDs.
  The colours and the flashing pattern for presences, calls and faults can be freely configured at the room electronics or the LED light with electronics.
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data

- Colour: plastic housing traffic white (RAL 9016), diffuser opal white, mounting frame pearl white (RAL 1013)
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC), mounting frame plastic (PA-GF)
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 142 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Connection type: terminal clamp connectors
- Power consumption: 20 mA/LED
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1 LED light without electronics, multi-colour, dome style 130.4100
1 Mounting frame for LED light 130.4510
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645

Accessories

1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

SET - LED light with electronics, multi-colour, dome style 138.4150S

LED light with electronics, dome style.

Characteristics

- For the display of presences, normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with monitored multi-colour LEDs.
  The colours and flashing patterns of the presences, calls and faults can be configured freely.
- Addressable LON node with control electronics for all room components.
- With 8 freely programmable monitored inputs and outputs for connecting room components in accordance with DIN VDE 0834:
  – Call and presence panel
  – Sockets at the bed
- For each input there is an output for a reassurance light for unambiguous identification of the call line in the room.
- Serial interface RS-485 for controlling components:
  – VL Infrared/RF sensors (up to 4 components) 125.4300, 125.4305, 125.4310
  – Cell terminal (up to 4 components) 135.2012, 135.2022,135.2032
  – SET - LED light without electronics, multi-colour, dome style (up to 4 components) 138.4100S
  The colours and the flashing pattern of the presences, calls and faults that are transmitted to the outputs of the serial interface can be freely configured.
- 2 outputs for acoustic call forwarding for buzzer of the presence panel.
- Connection for:
  Sounder for LED light with electronics 130.4500
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data

- Colour: plastic housing traffic white (RAL 9016), diffuser opal white, mounting frame pearl white (RAL 1013)
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC), mounting frame plastic (PA-GF)
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 157 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Connection type: terminal clamp connectors
- Power consumption:
  – 20 mA when idle
  – 20 mA/LED
  – Also current of external connected devices
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1 LED light with electronics, multi-colour, dome style 130.4150
1 Mounting frame for LED light 130.4510
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
5 Terminal, screwless, 6 pin (3.5 mm), green 125.6665

Accessories

1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

SET - LED group light, dome style — 138.4200S

LED light without electronics, dome style.
For the group display of calls.
For connection to:
- SET - Universal input/output node F1 138.5301S

Characteristics
- For the display of normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- 4 luminous fields with white LEDs.
  Luminous fields can be flexibly adjusted using separators.
  Luminous fields can be labelled with adhesive letters.
- If there are more than 4 groups several LED group lights can be mounted one above the other.
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data
- Colour: plastic housing traffic white (RAL 9016), diffuser opal white, mounting frame pearl white (RAL 1013)
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC), mounting frame plastic (PA-GF)
- Dimensions (WxHxD): 90 x 110 x 77 mm
- Weight: 166 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Connection type: terminal clamp connectors
- Power consumption: 20 mA/LED
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components
1 LED group light, dome style 130.4200
1 Mounting frame for LED light 130.4510
2 Terminal, screwless, 4 pin (3.5 mm), green 125.6645

Accessories
1 Terminal, screwless, 4 pin (3.5 mm), green 125.6645
1 Sounder for LED light with electronics 130.4500
1 Surface mounting frame for LED light 130.4520

SET - LED bed light, dome style — 138.4250S

LED light without electronics, dome style.

Characteristics
- For the display of normal calls, emergency calls and alarm calls in various signal forms (flashing pattern) in accordance with DIN VDE 0834. Also displays faults of the call lines.
- For display in a room or at a bed.
  Or as a parallel display of the reassurance light.
- 2 luminous fields with white LEDs, 2 luminous fields with red LEDs.
- Mounting
  – With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  – With mounting frame for surface mounting.

Technical data
- Colour: plastic housing traffic white (RAL 9016), diffuser opal white, mounting frame pearl white (RAL 1013)
- Material: plastic housing plastic (ABS), antimicrobial, diffuser plastic (PC), mounting frame plastic (PA-GF)
- Dimensions (WxHxD): 90 x 110 x 46 mm
- Weight: 124 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Connection type: terminal clamp connectors
- Power consumption: 20 mA/LED
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components
1 LED bed light without electronics, dome style 130.4250
1 Mounting frame for LED light 130.4510
2 Terminal, screwless, 4 pin (3.5 mm), green 125.6645

Accessories
1 Surface mounting frame for LED light 130.4520

SET - Room electronics, serial interface 138.4300S

Room electronics.

Characteristics

- Addressable LON node with control electronics for all room components.
- With 8 freely programmable monitored inputs and outputs for connecting room components in accordance with DIN VDE 0834:
  - Call and presence panel
  - Sockets at the bed
- For each input there is an output for a reassurance light for unambiguous identification of the call line in the room.
- Serial interface RS-485 for controlling:
  - VL Infrared/RF sensors 125.4300, 125.4305, 125.4310
  - Cell terminal 135.2012, 135.2022,135.2032
  - SET - LED light without electronics, multicolour, dome style 138.4100S
    The colours and the flashing pattern of the presences, calls and faults that are transmitted to the outputs of the serial interface can be freely configured.
- 5 outputs for triggering external LED lights for displaying presence and calls and faults in the call lines.
- 2 outputs for acoustic call forwarding for buzzer of the presence panel.
- Mounting
  - With mounting frame for mounting in a round mounting box R1 or flush mounting box E1.
  - With mounting frame for surface mounting.

Technical data

- Colour: Plastic housing traffic white (RAL 9016), mounting frame pearl white (RAL 1013)
- Material: plastic housing plastic (ABS), antimicrobial, mounting frame plastic (PA-GF)
- Dimensions (WxHxD): 90 x 110 x 41 mm
- Weight: 162 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Connection type: terminal clamp connectors
- Power consumption:
  - 20 mA when idle
  - Also current of external connected devices
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	Room electronics, serial interface	130.4300
1	Mounting frame, white F1, deep	130.2910
2	Terminal, screwless, 4 pin (3.5 mm), green	125.6645
6	Terminal, screwless, 6 pin (3.5 mm), green	125.6665

SET - Universal input/output node F1 138.5301S

Universal module for actuating:

- External power relays
- Up to 5 station/ward, group or follow-me directional lights and up to 5 combined lights for presences, WC call and call (given the corresponding configuration) via the system bus
- Buzzers, pager systems or interfaces to other systems

Characteristics

- Control of:
  - External power relays
  - Up to 5 station/ward, group or follow-me directional lights and up to 5 combined lights for presences, WC call and call (given the corresponding configuration) via the system bus
  - Buzzers, pager systems or interfaces to other systems
- Programmable outputs:
  - 5 Lamp outputs (station/group 1-5)/10 W
  - 1 Collective output/10 W
  - 3 Call outputs (call, emergency call, alarm)/ 3 W
  - 2 Static outputs (fault, buzzer call forwarding)/ 10 mA

Technical data

- Colour: housing traffic white (RAL 9016), mounting frame pearl white (RAL 1013)
- Material: housing plastic (ABS), antimicrobial, mounting frame plastic (PA-GF)
- Dimensions (WxHxD): 90 x 110 x 41 mm
- Weight: 169 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection type: terminal clamp connectors
- Power consumption: 20 mA when idle
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	Mounting frame, white F1, deep	130.2910
1	Universal input/output node (UIO) F1	130.5301
2	Plastic DIN rail adaptor	130.9201
16	Terminal clamp connector	141.5840

SET - Corridor display, single sided — 138.5501S

Corridor display, for wall mounting, single-sided.
The output module is already built in.
The corridor display can also be mounted on the ceiling.

Characteristics

- Displays calls sorted according to priority and chronological order
- Emergency calls flash on the display, making them easy to distinguish from normal calls
- If there are no calls, the display can indicate the actual location of the personnel or carry a 50 character-long special text (e.g. "please switch mobiles off")
- Display with LEDs, high visibility
- In principle, almost any number of corridor displays can be connected to Medicall 800.
- Can be programmed to display selected call types (e.g. faults, service call, cardiac call)
- Acoustic call forwarding
- Remote-controlled volume control of acoustic call forwarding

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material (housing): enamelled sheet steel
- Dimensions (WxHxD): 535 x 102 x 39 mm
- Weight: 1.97 kg
- Ambient temperature: 0 to 45 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: 10 characters, alphanumeric, character height 60 mm
- Reading distance: 25 m
- Connection type: terminal clamp connectors
- Power consumption: 80 mA when idle, max. 150 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	Corridor display, single sided	130.5521
1	LED display driver node (output module RS 232)	130.697
10	Terminal clamp connector	141.5840

You will also need

1	Ceiling mounting kit for corridor display, long	130.5750
	or Wall mounting kit for corridor display	130.5760
	or Ceiling mounting kit for corridor display, short, for direct mounting	130.5770

SET - Corridor display, double sided — 138.5701S

Corridor display for ceiling mounting, double-sided.
The output module is already built in.

Characteristics

- Displays calls sorted according to priority and chronological order
- Emergency calls flash on the display, making them easy to distinguish from normal calls
- If there are no calls, the display can indicate the actual location of the personnel or carry a 50 character-long special text (e.g. "please switch mobiles off")
- Display with LEDs, high visibility
- In principle, almost any number of corridor displays can be connected to Medicall 800.
- Can be programmed to display selected call types (e.g. faults, service call, cardiac call)
- Acoustic call forwarding
- Remote-controlled volume control of acoustic call forwarding

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material (housing): enamelled sheet steel
- Dimensions (WxHxD): 535 x 102 x 56 mm
- Weight: 2.57 kg
- Ambient temperature: 0 to 45 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: 10 characters, alphanumeric, character height 60 mm
- Reading distance: 25 m
- Connection type: terminal clamp connectors
- Power consumption: 100 mA when idle, max. 190 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	Corridor display, double sided	130.5731
1	LED display driver node (output module RS 232)	130.697
10	Terminal clamp connector	141.5840

You will also need

1	Ceiling mounting kit for corridor display, long	130.5750
	or Ceiling mounting kit for corridor display, short, for direct mounting	130.5770

SET - Disabled WC equipment — 138.8001S

Set with all components for disabled WC.

Characteristics

- Call panel, pull cord panel for triggering calls in a disabled WC.
- Call & reset panel for triggering calls and cancelling calls.

Technical data

- Weight: 1.1 kg
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection type: terminal clamp connectors
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	Overdoor light BHWC	
1	SET - Presence, reset panel, 1 presence button, buzzer	127.8110S
1	SET - Call panel	127.8120S
1	SET - Call and reset panel	127.8240S
1	SET - Pull cord panel, pull cord 3 m	127.8601S
1	Power supply 24 V AC or DC/30 VA for DIN rail	
1	Sticker with wheelchair symbol	

Connection unit for radio communication system — 140.190

For activating PA system amplifiers for station announcements via the PA system.

Technical data

- Standards:
  EN 61000-6-1 (VDE 0839-6-1) (immunity to interference)
  EN 61000-6-3 (VDE 0839-6-3) (emissions)
  DIN VDE 0834
- For mounting in a flush mounting box E2
- With cover plate, pearl white (RAL 1013)
- With snap-on fixture
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Storage temperature: 0 to 70 °C
- Relative humidity: max. 85 %, non-precipitating
- Operating voltage: 19 to 28 V DC
- Power consumption (standby): approx. 10 mA
- Power consumption (operation): approx. 30 mA
- Switching current of the potential-free contact (terminals 8 and 9): 0.5 A/30 V DC
- High-voltage test between input and output: 500 V_{eff}
- Balanced potential-free audio output: terminal 10 audio a, terminal 11 audio b, terminal 12 reference point (screen of PA system line)
- Balanced output voltage (terminals 10 and 11): max. +6 dBm (1.55 V_{eff}) at R_L = 1 kΩ
- Unbalanced output voltage between terminal 10 or 11 and terminal 12 (screen): max. +0 dBm (0.755 V_{eff}) at R_L = 1 kΩ
- Output voltage (balanced/unbalanced): adjustable with trimming potentiometer R6 factory-set to 0 dBm = 0,755 V_{eff} at $audio_{in}$ = 200 mV_{eff} at the input
- Frequency response: 100 Hz to 10 kHz (±3 dB)
- Total harmonic distortion: < 1 % (0 dBm; f_m = 800 Hz)
- Dimensions (WxHxD): 89 x 145 x 38 mm
- Weight: 140 g

Components

1 Control electronics for connection to the system bus and delivery of the audio level of +6 dBm (symmetrical)
Complete with connection terminals
1 Cover plate

4 x SPCO relays 24V ac/dc operation, 3.15A fuse & holder - DIN rail mounting — 140.1930

4x power drivers. For switching larger lamp loads. In module housing for distributor mounting. Can be connected in series with no spacing on a standard DIN rail 35 x 7.5 mm

Characteristics

- Pilot lamp (LED) for each relay
- Detachable relays
- AC/DC function
- Installation: Can be connected in series with no spacing on a standard DIN rail 35 x 7.5 mm

Technical data

- Dimensions (WxHxD): 67.5 x 59 x 77 mm
- Contact rating: 1500 VA/6 A AC/DC
- IP code: IP 20
- Ambient temperature: -20 to 50 °C
- Relative humidity: max. 85 %, non-precipitating
- Connection: with screw terminals

Components

4 Power relays, each suitable for connecting 16 lamps 24 V/5 W
4 SPCO relays 24 V AC/DC, 3.1 A fuse and fuse holder

Insert code blue (paper) — 140.732

Paper insert for Crash call panel, stock code number 093.1351.
The paper insert serves to identify initiation of the call. It is destroyed when the call is initiated.

Packing unit
90 items

Metal installation box S3 — 141.5810

Installation box for installation of Room electronic with bedwise speech, stock code number 130.7500.
Use the metal installation box S3 in conjunction with the distance frame S3, stock code number 130.9230 or 141.5170.

Characteristics
- For vertical or horizontal mounting in brickwork or cavity wall
- With plaster protector

Technical data
- Dimensions (WxHxD): 97 x 276 x 45 mm
- Sheet steel
- Punched holes: 3 x 20 mm above and below
- Weight: 530 g

Components
1 Metal installation box S3
6 Spacer

Terminal clamp connector — 141.5840

Modular plug-in terminals for connection of Medicall 800 devices, screwless, 1-pin, for connection of up to 4 rigid wires (4-pair telecommunications cable). The terminals are modular and can be combined together to form different combinations.
Component of the sets with stock code numbers 125.7400S, 125.7410S, 125.7500S, 125.8110S, 125.8120S, 125.8130S, 125.8230S, 125.8240S, 125.8610S, 127.7300S, 127.7400S, 127.7410S, 127.7500S, 127.7980S, 127.7990S, 127.8000S, 127.8100S, 127.8110S, 127.8120S, 127.8130S, 127.8220S, 127.8230S, 127.8601S, 127.8610S, 127.8621S, 130.910, 138.0100S to 138.1500S, 138.1610S to 138.1720S, 138.3100S and 138.5301S to 138.5701S.

Technical data
- Spacing: 5.8 mm
- Range: 0.5 to 1.0 mm diameter
- Wire size per terminal: 4 x 0.5 to 1.0 mm (solid wire)
- Weight: 1 g

Bolt — 141.7260

The bolt is used to lock the snap hooks that hold the PCB in the modules. This means that the snap hook can no longer be released.

Technical data
- Dimensions (WxHxD): 10 x 2 x 7 mm
- Weight: 1 g

Packing unit
50 items

Button cap presence 1, green for communication terminal — 141.7290

Button cap presence 1, green, for fitting in these modules:
- LCD Nurse station display node with monitoring and control functions R2 130.310
- LCD Station repeater / Group / Central display node R2 130.350
- Small room LCD node (pres./call/scroll) S1 130.7010
- Small room LCD node (pres./call/scroll) S1, white 130.7011
- Five button module plus mic S1 130.7200
- SET - Universal LCD display, white 138.3101S
- Call button module for KT2010 / Medicall 800 141.5241

Technical data
- Material: plastic (ABS)
- Dimensions (WxHxD): 15 x 15 x 5 mm
- Weight: 1 g

Blind cap for communication terminal — 141.7340

Button cap without symbol, white, for fitting in these modules:
- Small room LCD node (pres./call/scroll) S1 130.7010
- Small room LCD node (pres./call/scroll) S1, white 130.7011
- Five button module plus mic S1 130.7200
- SET - Universal LCD display, white 138.3101S
- Call button module for KT2010 / Medicall 800 141.5241

Technical data
- Material: plastic (ABS)
- Dimensions (WxHxD): 15 x 15 x 5 mm
- Weight: 1 g

Button cap scroll, grey for communication terminal — 141.7370

Button cap scroll, grey, for fitting in these modules:
- LCD Nurse station display node with monitoring and control functions R2 130.310
- LCD Station repeater / Group / Central display node R2 130.350
- Small room LCD node (pres./call/scroll) S1 130.7010
- Small room LCD node (pres./call/scroll) S1, white 130.7011
- Five button module plus mic S1 130.7200
- Room display module 130.7230
- SET - Universal LCD display, white 138.3101S

Technical data
- Material: plastic (ABS)
- Dimensions (WxHxD): 15 x 15 x 5 mm
- Weight: 1 g

Button cap function, grey for communication terminal — 141.7380

Button cap function, grey, for fitting in these modules:
- LCD Nurse station display node with monitoring and control functions R2 130.310
- LCD Station repeater / Group / Central display node R2 130.350
- SET - Universal LCD display, white 138.3101S

Technical data
- Material: plastic (ABS)
- Dimensions (WxHxD): 15 x 15 x 5 mm
- Weight: 1 g

Cable for telephone relay — 206.550

Cable for Telephone relay, stock code number 206.61.

Technical data
- TAE plug, coding N
- Length: 2 m

Telephone relay — 206.61

Telephone relay for forwarding a telephone call to Medicall 800.

Characteristics

- With bridging of the gaps between the call pulses or cycle at the rhythm of the telephone call
- For analogue telephone connection
- For mounting on a flush mounting box E1
- With square cover plate with screw fixing
- For ringing circuits 50 to 75 V, 18 to 60 Hz

You will also need

- Cable for telephone relay 206.550

SW mediPage — 230.2100

mediPage enables the user to configure the pagers of pager, DECT and PABX systems and to modify the organisation of care and assign shifts.

Characteristics

- Software package with mediPage.
- Configuration and management of pager system and DECT pagers, RFID tags and IR/RF transmitters.
- Creation and management of shifts.
- Management of interfaces to pager, DECT and PABX systems.
- For downloading.
- Configuration with mediGraph Administrator.

System requirements

- IBM compatible PC with Intel Pentium 4 processor, 1 GHz or higher
- Operating system Windows 7, Windows 8.1, Windows 10
- RAM 1 GB or more
- Free disk space 20 GB or more
- Mouse
- Monitor with minimum resolution of 1024 x 768 pixels
- Connection:
  - LAN (for connection to TCP/IP gateway)
  - USB (for connection to LON network)

SW mediGraph — 230.2200

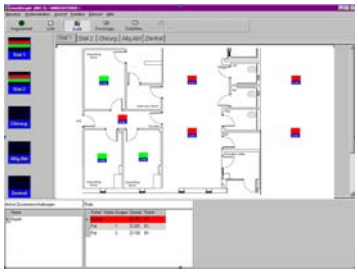
mediGraph enables the user to control the Medicall 800 call system centrally and view all information about a station or the entire call system in graphic form.

Characteristics

- Software package with mediGraph.
- Answer station in station or central subnet or for several areas.
- Calls, messages and faults can be displayed and processed on the site plan, voice communication can be carried on during processing.
- In the case of presences, the call line can be displayed with QuickInfo on the mouse pointer. For presences that are set with RFID tags or IR/RF transmitters, the assigned name is also displayed.
- Various user groups, login with password.
- Announcements can be made to the whole system, own station, groups; specific rooms, presences and room types can be selected.
- Move rooms to another care group.
- Permanently assign rooms to another care group.
- Change mode (central, decentral, parallel).
- Vital call, security functions for Medicall 800 Security (call withdrawal), special functions (enforced radio, radio withdrawal, light withdrawal), activate and deactivate inputs/outputs.
- For downloading.
- Configuration with mediGraph Administrator.

System requirements

- IBM compatible PC with Intel Pentium 4 processor, 1 GHz or higher
- Operating system Windows 7, Windows 8.1, Windows 10
- RAM 1 GB or more
- Free disk space 20 GB or more
- Mouse
- Monitor with minimum resolution of 1024 x 768 pixels
- Connection:
  - LAN (for connection to TCP/IP gateway)
  - USB (for connection to LON network)



SW Call Escalator — 230.2300

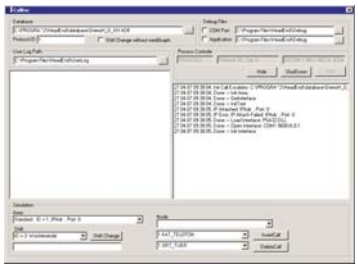
Call Escalator enables you to connect a pager, DECT or other PABX system to a Medicall 800 system in order to forward information from the Medicall 800-system.
Call Escalator should be installed on a care communication server (stock code number 130.8920).

Characteristics

- Software package with Call Escalator.
- Support for all protocols of leading manufacturers of pager, DECT and PABX systems (see "System and planning", 950.3002E, section 10.4 "Interfaces".)
- Connection via serial interface RS-232, RS-485 or TCP/IP interface
- For downloading.

System requirements

- IBM compatible PC with Intel Pentium 4 processor, 1 GHz or higher
- Operating system Windows 7, Windows 8.1, Windows 10
- RAM 1 GB or more
- Free disk space 20 GB or more
- Mouse
- Monitor with minimum resolution of 1024 x 768 pixels
- Connection:
  - LAN (for connection to TCP/IP gateway)
  - USB (for connection to LON network)



SW mediLog — 230.2400

mediLog logs events in a Medicall 800 system.
mediLog should be installed on a care communication server (stock code number 130.8920).

Characteristics

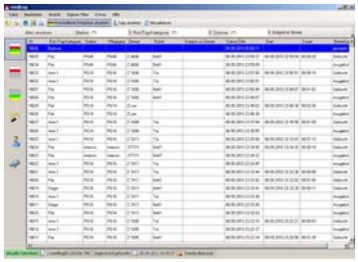
- mediLog stores the data in an Access database.
- mediLog logs calls, alarms, messages, presences, tag information, voice communication, shift changes and faults.
- If you use RFID tags, you can log the events that are triggered and determine the current location of the RFID tags in mediLog. To do this, you need: SW Tagserver for localisation, stock code number 230.2420
- If the mediLog data are to be sent via the XML interface, you also need: SW XML Interface, stock code number 230.2440
- mediLog logs the date and time (from/to) for every event.
- Calls can be easily filtered by date, room number, call type and group.
- Data displayed in table form
- Logged data are exported in Excel format.
- For downloading.

System requirements

- IBM compatible PC with Intel Pentium 4 processor, 1 GHz or higher
- Operating system Windows 7, Windows 8.1, Windows 10
- RAM 1 GB or more
- Free disk space 20 GB or more
- Mouse
- Monitor with minimum resolution of 1024 x 768 pixels
- Connection:
  - LAN (for connection to TCP/IP gateway)
  - USB (for connection to LON network)

Accessories

- SW Tagserver for localisation 230.2420
- SW XML Interface 230.2440



SW Tagserver for localisation — 230.2420

If you use IR/RF transmitters, you can log the events that are triggered in mediLog and determine the current location of the transmitters in mediLog.
Tagserver is a software application for control and communication (automatic presence, activation of calls) of the
transmitter information in Medicall 800.
To use this function, you need this licence in addition to mediLog.

SW XML Interface — 230.2440

If the mediLog data are to be sent via the XML interface, you need this licence in addition to mediLog.
The XML interface is an additional function in SW mediLog, stock code number 230.2400.

Software development (customisation)	**230.5000**

Customised software development.

Software licence (with commissioning)	**230.5010**

Customised software adaptation and commissioning, e.g. of interfaces.

SW for PSA and DECT systems, to use with serial interface RS 232 130.690x	**230.6001**

Pager system EPROM for installing in Serial interface node RS 232 (stock code number 130.690). With modified software for pager systems and DECT systems. For pager system and IFMF nodes.

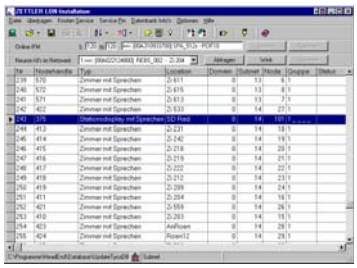
For a list of supported pager systems and protocols, see system description and planning instructions documentation, 950.3002E, section 10.4 "Interfaces"

SW Medicall 800 installation tool NetInst	**230.970**

The NetInst software program can be used to assign the neuron IDs to the relevant nodes on the system bus and load the configuration data that you have generated with the ZETLON configuration software into the nodes.

System requirements

- IBM compatible PC with Intel Pentium 4 processor, 1 GHz or higher
- Operating system Windows 7, Windows 8.1, Windows 10
- RAM 1 GB or more
- Free disk space 20 GB or more
- Mouse
- Monitor with minimum resolution of 1024 x 768 pixels
- Connection:
  - LAN (for connection to TCP/IP gateway)
  - USB (for connection to LON network)



SW Medicall 800 configuration tool ZETLON	**230.975**

The ZETLON software program can be used to configure all components of a Medicall 800 call system.

System requirements

- IBM compatible PC with Intel Pentium 4 processor, 1 GHz or higher
- Operating system Windows 7, Windows 8.1, Windows 10
- RAM 1 GB or more
- Free disk space 20 GB or more
- Mouse, keyboard
- Monitor with minimum resolution of 1024 x 768 pixels
- Connection:
  - LAN (for connection to TCP/IP gateway)
  - USB (for connection to LON network)

Programming connection unit RJ-45 LON	**700.021**

Connection unit for connection to the system bus.

Characteristics

- RJ-45 socket
- Installation: on the surface

Technical data

- Colour: cream
- IP code: IP 30
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 80 x 65 x 27 mm
- Weight: approx. 40 g

Programming cable RJ-45 LON		**700.022**
Programming cable Cat 5e, conforming to ISO/IEC 11081.	**Technical data** ■ Length: 2 m ■ Plug: RJ-45 ■ Number of wires: 8	

Rechargeable battery, 12 V, 12 Ah		**PS-12120**
Rechargeable yellow lead battery. **Characteristics** ■ Maintenance free	**Technical data** ■ Voltage: 12 V ■ Capacity: 12 Ah ■ Ambient temperature: max. 50 °C ■ Dimensions without terminals (WxHxD): 151 x 94 x 98 mm ■ Dimensions with terminals (WxHxD): 151 x 100 x 98 mm ■ Weight: 3.6 kg	

Rechargeable battery, 12 V, 26 Ah		**PS-12260**
Rechargeable yellow lead battery. **Characteristics** ■ Maintenance free	**Technical data** ■ Voltage: 12 V ■ Capacity: 26 Ah ■ Screw connection M5 ■ Ambient temperature: max. 50 °C ■ Dimensions (WxHxD): 167 x 125 x 177 mm ■ Weight: 7.7 kg	

3 VarioLine

3.1 Introduction

VarioLine is the current product group for patient's handsets and panels of the Medicall 800 system.

You can combine articles from the VarioLine product group on a modular basis. This means you get a large number of different devices from just a few basic elements.

For convenience, the most frequently used combinations are available as material sets. Material sets are normally supplied pre-assembled. The stock code numbers are marked with "S" at the end. Example: 127.8130S.

VarioLine modules 127.xxxx are intended for flush mounting on standard installation boxes (see section 3.2 "Mounting the VarioLine modules" on page 116).

Spare parts with stock code numbers 125.xxxx

The descriptions of the spare parts with stock code numbers 125.xxxx can be found in section 5.1 "Common parts for Medicall 800 and VarioLine" on page 232.

Components that are no longer available are not listed.

3.2 Mounting the VarioLine modules

Individual VarioLine modules can be mounted in a number of ways. The next sections provide an overview.

All VarioLine modules can be mounted either individually or in pairs.

Pair combinations can be mounted adjacent to each other or one on top of the other.

VarioLine modules can also be mounted on plaster. The cable duct can be led to the device from all 4 sides.

VarioLine module in installation box

VarioLine modules can be mounted in round mounting boxes to DIN 49073-1 for flush mounting, cavity wall and concrete.

The mounting frame of the VarioLine modules also offers fixing options for other installation boxes. You can determine this yourself with the dimensions of the VarioLine modules.

See also figures 40 and 41.

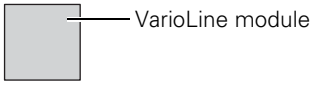


Fig. 40: VarioLine module

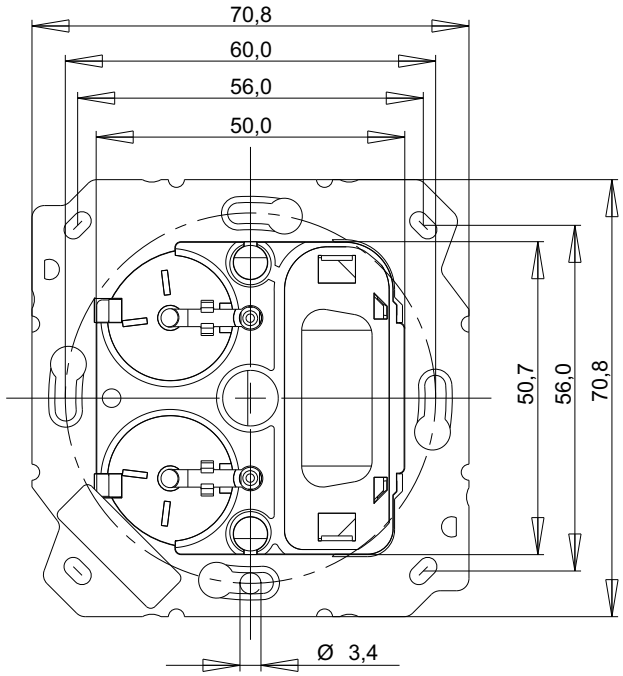


Fig. 41: Mounting frame for VarioLine base modules 127.xxxx Dimensions are given in mm.

VarioLine module in installation box with adapter frame S1

To mount a VarioLine module in a flush mounting box E1 for brickwork, cavity wall and poured concrete, you need the following:

- VL Adapter frame S1 127.4100

See figure 42.

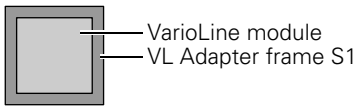


Fig. 42: VarioLine module with adapter frame S1

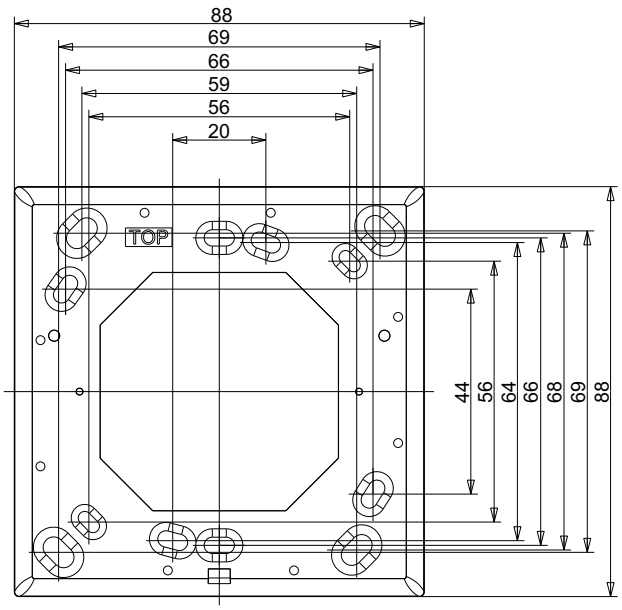


Fig. 43: Adapter frame S1 for VarioLine base modules 127.xxxx
Dimensions are given in mm.
The base module is attached to the adapter frame with countersunk head screws with a head diameter of 5 to 6 mm.

VarioLine module on the surface with adapter frame S1 and surface mounting frame S1

To mount a VarioLine module on the surface, you need the following:

- VL Adapter frame S1 127.4100
- VL Surface mounting frame S1 127.4200

See figure 38.

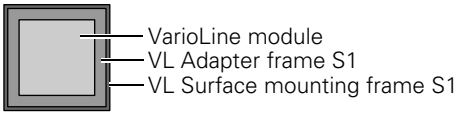


Fig. 44: VarioLine module with surface mounting frame S1

Two VarioLine modules in installation boxes

VarioLine modules can be mounted as pairs in two round mounting boxes to DIN 49073-1 for flush mounting, cavity wall and concrete. See figure 45.

Pair combinations can be mounted adjacent to each other or one on top of the other.

This requires a 20 mm spacer for an axis distance of 91 mm.

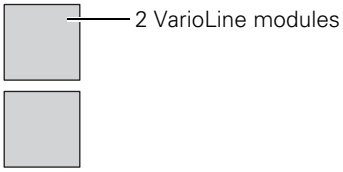


Fig. 45: 2 VarioLine modules

Two VarioLine modules in installation box with adapter frame S2

To mount 2 VarioLine modules in a flush mounting box E2 for brickwork, cavity wall and poured concrete, you need the following:

- VL Adapter frame S2 127.4110

Pair combinations can be mounted adjacent to each other or one on top of the other.

See figure 46.

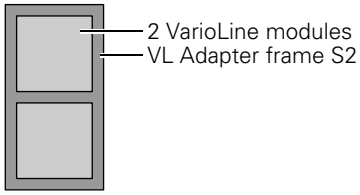


Fig. 46: 2 VarioLine modules with adapter frame S2

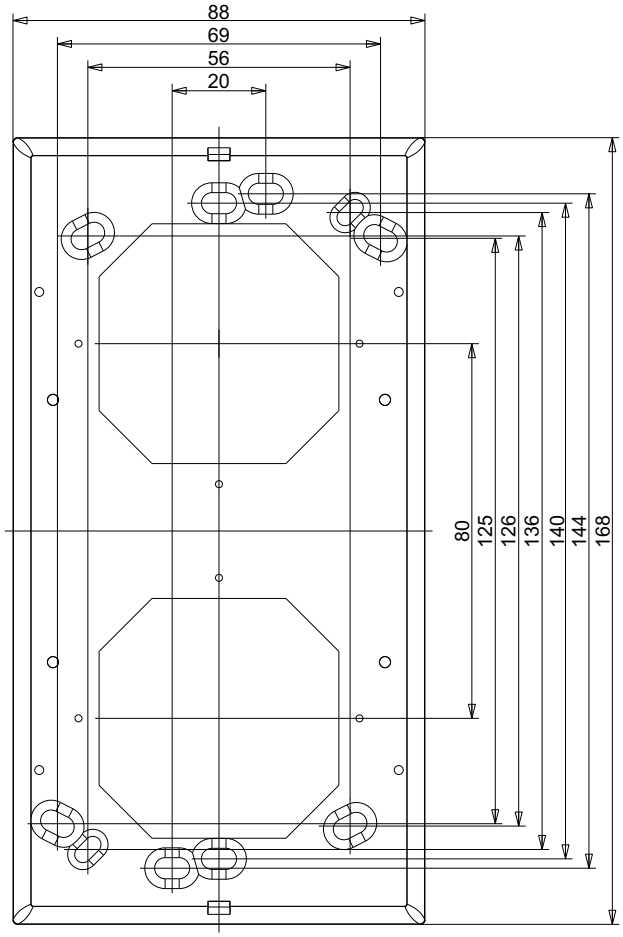


Fig. 47: Adapter frame S2 for VarioLine base modules 127.xxxx
Dimensions are given in mm.
The base module is attached with countersunk head screws with a head diameter of 5 to 6 mm.

Two VarioLine modules on the surface with adapter frame S2 and surface mounting frame S2

To mount 2 VarioLine modules on the surface, you need the following:

- VL Adapter frame S2 127.4110
- VL Surface mounting frame S2 127.4210

Pair combinations can be mounted adjacent to each other or one on top of the other.

See figure 48.

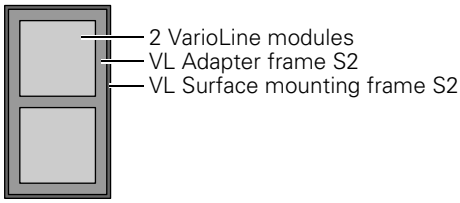


Fig. 48: 2 VarioLine module with adapter with surface mounting frame S2

VarioLine module in MSU

For mounting in an MSU, you need the modules and cover plates provided for that purpose.

3.3 VarioLine sets

This section provides an overview of the components of the various VarioLine sets. The other components are given in the detailed descriptions in section 3.5 "VarioLine products" on page 125. You also need:

- Actuator pin for each button cap
- VL Adapter if necessary
- Terminals
- Ribbon cable if necessary

3.3.1 VarioLine sets with VL Base module with button, 127.0100

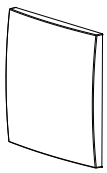
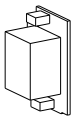
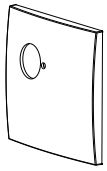
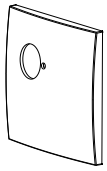
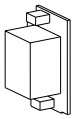
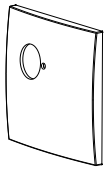
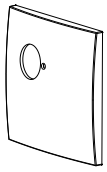
Stock code number	Product	Upper button cap	Lower button cap	Cover plate	Buzzer	Suitable call line
127.8000S	SET - Buzzer panel					
127.8100S	SET - Presence, reset panel, 1 presence button					Presence
127.8110S	SET - Presence, reset panel, 1 presence button, buzzer					Presence
127.8120S	SET - Call panel					Bed, room, WC/bath
127.8130S	SET - Reset panel					WC/bath

Table 12: VarioLine sets with VL Base module with button, 127.0100

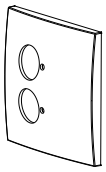
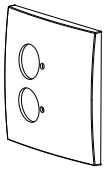
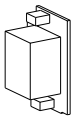
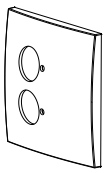
Stock code number	Product	Upper button cap	Lower button cap	Cover plate	Buzzer	Suitable call line
127.8220S	SET - Call, presence reset panel					Room, presence
127.8230S	SET - Call, presence reset panel, buzzer					Room, presence
127.8240S	SET - Call and reset panel					Room, WC/bath

Table 12: VarioLine sets with VL Base module with button, 127.0100 (cont.)

3.3.2 VarioLine sets with VL Base module with socket, 15 pin, 127.0500

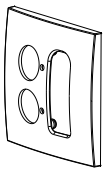
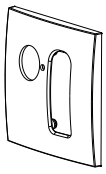
Stock code number	Product	Upper button cap	Lower button cap	Cover plate	Buzzer	Suitable call line
127.8300S	SET - Call and reset panel with socket					Bed
127.8400S	SET - Call panel with socket					Bed, WC/bath

Table 13: VarioLine sets with VL Base module with socket, 15 pin, 127.0500

3.3.3 VarioLine sets with VL Base module with socket, 15 pin, VDE, clamps, 127.0510

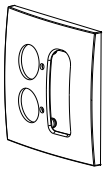
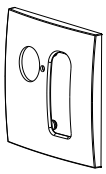
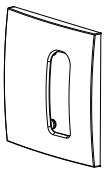
Stock code number	Product	Upper button cap	Lower button cap	Cover plate	Buzzer	Suitable call line
127.7300S	SET - Call reset panel with socket VDE					Bed
127.7400S	SET - Call panel with socket VDE					Bed
127.7500S	SET - Socket panel VDE					Bed

Table 14: VarioLine sets with VL Base module with socket, 15 pin, VDE, clamps, 127.0510

3.3.4 VarioLine sets with VL Base module with socket, 15 pins, mini-DIN, VDE, clamps, 127.0520

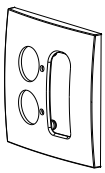
Stock code number	Product	Upper button cap	Lower button cap	Cover plate	Buzzer	Suitable call line
127.7410S	SET - Call panel, socket 15 pin, socket mini-DIN, VDE					Bed

Table 15: VarioLine sets with VL Base module with socket, 15 pins, mini-DIN, VDE, clamps, 127.0520

3.3.5 VarioLine sets with VL Base module with socket, 26 pin, VDE, ribbon cable, 127.0560

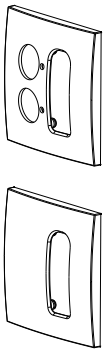
Stock code number	Product	Upper button cap	Lower button cap	Cover plate	Buzzer	Suitable call line
127.7921S	SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter					Bed

Table 16: VarioLine sets with VL Base module with socket, 15 pins, mini-DIN, VDE, ribbon cable, 127.0570

3.3.6 VarioLine sets with VL Base module with socket, 15 pins, mini-DIN, VDE, ribbon cable, 127.0570

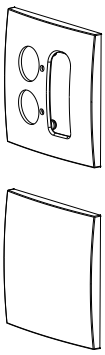
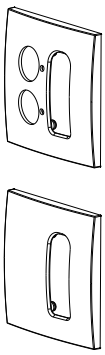
Stock code number	Product	Upper button cap	Lower button cap	Cover plate	Buzzer	Suitable call line
127.7901S	SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter					Bed
127.7921S	SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter					Bed

Table 17: VarioLine sets with VL Base module with socket, 15 pins, mini-DIN, VDE, ribbon cable, 127.0570

3.3.7 VarioLine sets for medical supply unit

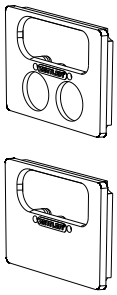
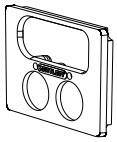
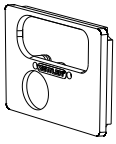
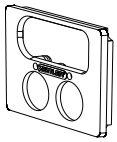
Stock code number	Product	Base module	Left button cap	Right button cap	Cover plate	Buzzer	Suitable call line
127.7960S	SET - Call panel, 2 sockets 15/ 26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU	VL Base module with socket for a medical supply unit, 26 pin, VDE, 127.0760 VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE, 127.0770					Bed
127.7970S	SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU	VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE, 127.0770					Bed
127.7980S	SET - Call panel, socket 15 pins, VDE, clamps, MSU	VL Base module with socket for a medical supply unit, 15 pin, VDE, clamps, 127.0780					Bed
127.7985S	Set - Ruf-Abstell-taster, Sub-D 15-polig VDE, Klemmen, MVE	VL Base module with socket for a medical supply unit, 15 pin, VDE, clamps, 127.0780					Bed

Table 18: VarioLine sets for medical supply unit

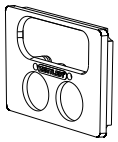
Stock code number	Product	Base module	Left button cap	Right button cap	Cover plate	Buzzer	Suitable call line
127.7990S	SET - Call panel, socket 15 pins, socket mini-DIN, VDE, clamps, MSU	VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE, clamps, 127.0790					Bed

Table 18: VarioLine sets for medical supply unit (cont.)

3.3.8 Other VarioLine sets

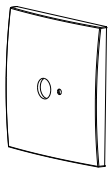
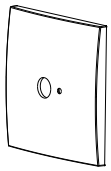
Stock code number	Product	Base module	Upper button cap	Lower button cap	Cover plate	Buzzer	Suitable call line
127.6000S	SET - Plug shell						
127.8601S	SET - Pull cord panel, pull cord 3 m	VL Base module pull switch, 127.0600					WC/bath
127.8610S	SET - Pneumatic panel	VL Base module with pneumatic switch, 127.0610					WC/bath
127.8621S	SET - Code blue button with protection	Base module with resuscitation button					Bed, room
127.8650S	SET - Pull cord panel IP 66, pull cord 3 m						WC/bath
127.8660S	SET - Pull cord panel IP 66 with cancel cord, pull cord 3 m						WC/bath

Table 19: Other VarioLine sets

3.4 Switch ranges for VarioLine 127.xxxx

Components of the 127.xxxx series can be mounted in switch ranges of a variety of manufacturers.

Busch-Jaeger

Information can be found in the "Call systems" section of Busch-Jaeger's website:

http://www.busch-jaeger-catalogue.com/index.php?bereich=1034458

See also figure 49.

Fig. 49: Components of the 127.xxxx series with the Busch-Jaeger switch range

Jung

Information can be found on Jung's website. Search for "ZETTLER":

http://www.jung.de/en/online-catalogue/?search=zettler&rpp=50

See also figure 50.

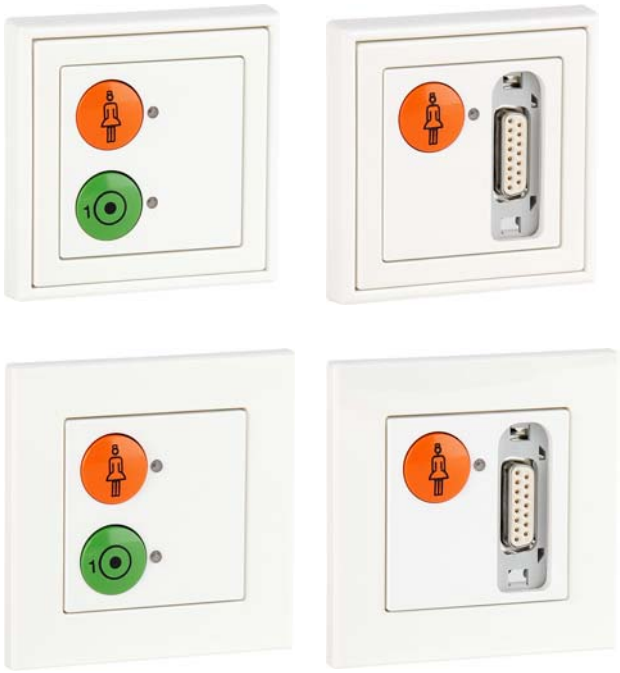


Fig. 50: Components of the 127.xxxx series with the Jung switch range

3.5 VarioLine products

Dynamic headphones — 093.332

As one-way headphones for discreet listening to radio and TV programmes, with foam padding on the earpieces.
Complete with 1.5 m-long flexible supply cable and green 3.5 mm jack connector.
Suitable for the following patient's handsets with headphone connection:

- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, antimicrobial 125.5701
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 125.5711
- VL Patient´s handset, 1 call button, 2 light buttons, connector for headphone, radio/TV, with speech, antimicrobial 125.5731
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710
- VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with orientation dependent speech, antimicrobial 127.5750
- VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with orientation dependent speech, antimicrobial 127.5770

Technical data

- Intrinsic resistance of the receiver inset 32 Ω
- IP code: IP 40
- Ambient temperature: -25 to 50 °C
- Relative humidity: max. 100 %

VL base module buzzer VDE — 125.0002

Buzzer for acoustic call forwarding.
For installation in VL Base module with button and communication terminals.
Licensed in accordance with DIN VDE 0834.
Component of these sets:

- SET - Buzzer panel 127.8000S
- SET - Presence, reset panel, 1 presence button, buzzer 127.8110S
- SET - Call, presence reset panel, buzzer 127.8230S
- SET - Small room LCD node pres./call & ans./store/scroll S2 138.1610S
- SET - Communication terminal with buttons S2 138.1710S

Technical data

- Frequency: 2400 Hz
- Volume: 45 to 65 dbA at distance of 2 m
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 30 x 13 x 22 mm
- Weight: 4 g

VL Button actuator pin 125.0110

Button actuator pin for fixing the button cap on the VL panels. Also acts as an optical waveguide for the LED of the button.

Component of the sets with stock code numbers 127.7300S, 127.7400S, 127.7410S, 127.7901S, 127.7921S, 127.7960S, 127.7970S, 127.7980S, 127.7985S, 127.7990S, 127.8100S, 127.8110S, 127.8120S, 127.8130S, 127.8220S, 127.8230S, 127.8240S, 127.8300S, 127.8400S.

Technical data

- Dimensions (WxHxD): 17 x 131 x 4 mm
- Weight: 0,3 g

VL Adapter with radio/TV module, 15 pin 125.0801

VarioLine adapter with radio/TV module. For connection of:

- 5 radio programmes from a PA system, or
- 4 radio programmes from a PA system and TV sound from a television

Component of this set:

- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 125.7901S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU 125.7911S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU 127.7970S

Characteristics

- For use only with one of these base modules:
  - VL Base module with socket, 15 pin, VDE, connection with ribbon cable 125.0550
  - IVL Base module with socket, 15 pins, mini-DIN, VDE, connection with ribbon cable 125.0570
  - VL Base module with socket for a medical supply unit, 15 pin, VDE 125.0701
  - VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE 125.0720
  - VL Base module with socket, 15 pin, VDE, ribbon cable 127.0550
  - VL Base module with socket, 15 pins, mini-DIN, VDE, ribbon cable 127.0570
  - VL Base module with socket for a medical supply unit, 15 pin, VDE 127.0750
  - VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE 127.0770
  - VL Base module with socket for a medical supply unit, 15 pin, VDE, clamps 127.0780
  - VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE, clamps 127.0790

Characteristics (cont.)

- Voltage-free contact for controlling a television set.
  Additional hardware for connecting and controlling a TV is required. Further information on request.
- Switch between 5 audio channels for one bed. You need a VL Adapter for each bed.
- Channels can only be controlled in combination with VL patient's handset with TV control.
- Connections for bed and room light control
- Installation:
  - In MSU installation on base module:
    VL Base module with socket for a medical supply unit, 15 pin, VDE 125.0701
    VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE 125.0720
  - Or in flush mounting box E2 with VL Metal carrier for 15 and 26 pin adapter 125.6300
  - Or on the surface in VL Surface mounting frame S2 127.4210

Technical data

- Connection in the case of installation in a medical supply unit (MSU):
  - With 40-pin ribbon cable (standard connection in medical supply unit)
  - With 16-pin ribbon cable for connecting the base modules with stock code numbers 125.0550 or 125.0701
- Connection if mounted in flush mounting box E2 or in VL Surface mounting frame S2:
  - With plug-in terminals (spacing 3.5 mm)
- Dimensions (WxHxD): 67 x 25 x 108 mm
- Weight: 35 g
- Power consumption: 11 mA
- Radio voltage: 4 V_{eff}

VL Adapter for patient´s handset with telephone 26 pin 125.0811

VarioLine adapter. For connection of:

- Base modules, 26 pin, for patient's handsets with telephone and radio/TV control
- Base modules, 15 pin

Component of these sets:

- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 127.7960S

Characteristics

- For use only with one of these base modules:
  - VL Base module with socket, 15 pin, VDE, connection with ribbon cable 125.0550
  - VL Base module with socket, 26 pin, VDE, connection with ribbon cable 125.0560
  - IVL Base module with socket, 15 pins, mini-DIN, VDE, connection with ribbon cable 125.0570
  - VL Base module with socket for a medical supply unit, 15 pin, VDE 125.0701
  - VL Base module with socket for a medical supply unit, 26 pin, VDE 125.0710
  - VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE 125.0720
  - VL Base module with socket, 15 pin, VDE, ribbon cable 127.0550
  - VL Base module with socket, 26 pin, VDE, ribbon cable 127.0560
  - VL Base module with socket, 15 pins, mini-DIN, VDE, ribbon cable 127.0570
  - VL Base module with socket for a medical supply unit, 15 pin, VDE 127.0750
  - VL Base module with socket for a medical supply unit, 26 pin, VDE 127.0760
  - VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE 127.0770
  - VL Base module with socket for a medical supply unit, 15 pin, VDE, clamps 127.0780
  - VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE, clamps 127.0790

Characteristics (cont.)

- Distributor for connecting telephone, radio/TV control for a bed. You need a VL Adapter for each bed.
  Additional hardware for connecting and controlling a TV is required. Further information on request.
- Connections for bed and room light control
- Installation:
  - In MSU installation on base module:
    VL Base module with socket for a medical supply unit, 15 pin, VDE 125.0701
    VL Base module with socket for a medical supply unit, 26 pin, VDE 125.0710
    VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE 125.0720
    VL Base module with socket for a medical supply unit, 15 pin, VDE 127.0750
    VL Base module with socket for a medical supply unit, 26 pin, VDE 127.0760
    VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE 127.0770
    VL Base module with socket for a medical supply unit, 15 pin, VDE, clamps 127.0780
    VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE, clamps 127.0790
  - Or in flush mounting box E2 with VL Metal carrier for 15 and 26 pin adapter 125.6300
  - Or on the surface in VL Surface mounting frame S2 127.4210

Technical data

- Connection in the case of installation in a medical supply unit (MSU):
  - With 40-pin ribbon cable (standard connection in medical supply unit)
  - With 16-pin ribbon cable for connecting the base modules with stock code numbers 125.0550 125.0560, 125.0701or 125.0710
- Connection for assembly in flush mounting box E2:
  - With plug-in terminals (spacing 3.5 mm)
- Dimensions (WxHxD): 67 x 25 x 108 mm
- Weight: 35 g
- Power consumption: 0 mA

VL Adapter frame S1 (also fits MK style boxes) 125.4100

For installation of a VarioLine combination 125.xxxx with outside dimensions 80 x 80 mm in a surface mounting frame S1/S2/S3, stock code number 125.4200, 125.4210.

For mounting in a standard round mounting box or flush mounting box E1.

With the VL Adapter frame S1 (also fits MK style boxes), VarioLine combinations 125.xxxx can also be used in other frames with S dimensions (e.g. flush mounting boxes E1).

For removal of the VarioLine cover plates: VL Front panel removal tool, stock code number 125.4230.

Component of this set:

- SET - Small room LCD node pres./call & ans./ store/scroll S2 138.1610S

Technical data

- Colour: pure white (RAL 9010)
- Material: plastic (ABS)
- Dimensions (WxHxD): 88 x 88 x 14 mm
- Weight: 24 g

VL Adapter frame S2 125.4110

For installing 2 VarioLine combinations 125.xxxx with external dimensions 80 x 80 mm.

For mounting in a standard double round mounting box or 2 round mounting boxes with divider or flush mounting box E2.

For removal of the VarioLine cover plates: VL Front panel removal tool, stock code number 125.4230.

Component of these sets:

- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 125.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 125.7921S

Technical data

- Colour: pure white (RAL 9010)
- Material: plastic (ABS)
- Dimensions (WxHxD): 172 x 88 x 14 mm
- Weight: 40 g

VL Surface mounting frame S1 125.4200

VL Surface mounting frame S1 for installation of a module 88 x 88 mm.

For mounting in a standard round mounting box or flush mounting box E1.

For horizontal and vertical mounting.

Component of these sets:

- SET - Small room LCD node pres./call/scroll S1 138.1600S
- SET - Parallel loudspeaker S1 138.7210S

The VL Adapter frame S1 (also fits MK style boxes), stock code number 125.4100, allows VarioLine combinations 125.xxxx to be used in this frame.

Technical data

- Colour: pure white (RAL 9010)
- Material: plastic (ABS)
- Dimensions (WxHxD): 112 x 130 x 25 mm
- Weight: 60 g

VL Surface mounting frame S1, white 125.4201

VL Surface mounting frame S1 for installation of a module 88 x 88 mm.

For mounting in a standard round mounting box or flush mounting box E1.

For horizontal and vertical mounting.

Component of this set:

- SET - Small room LCD node pres./call/scroll S1, white 138.1601S

Technical data

- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 112 x 130 x 25 mm
- Weight: 60 g

VL Surface mounting frame S2 — 125.4210

For installation of 2 modules 88 x 88 mm.
For mounting in a standard double round mounting box or flush mounting box E2.
For horizontal and vertical mounting.
Component of these sets:

- SET - Small room LCD node pres./call & ans./ store/scroll S2 138.1610S
- SET - Communication terminal S2 138.1700S
- SET - Parallel loudspeaker S1 138.7210S

The VL Adapter frame S1 (also fits MK style boxes), stock code number 125.4100, allows VarioLine combinations 125.xxxx to be used in this frame.

Technical data

- Colour: pure white (RAL 9010)
- Material: plastic (ABS)
- Dimensions (WxHxD): 112 x 225 x 25 mm
- Weight: 101 g

VL Front panel removal tool — 125.4230

Tool for removing VarioLine cover plates from the adapter frame.

VL Infrared sensor, long range — 125.4300

Addressable sensor for the localisation of infrared transmitters carried by people or attached to assets. If any are detected, the infrared sensor forwards the information to the room electronics, which then triggers a call or sets or cancels a presence. This allows presences to be set or cancelled automatically when someone enters or leaves a room, the location of people or assets to be found and activities to be recorded in mediLog.
The infrared sensor can detect the infrared radiation of these transmitters:

- VL Universal tag, with emergency call, infrared/RF white 125.4330
- VL Universal tag, with emergency call, infrared/RF white, red button 125.4340
- VL Universal tag, with emergency call, infrared/RF green 125.4350
- VL Universal tag, with emergency call, infrared/RF yellow 125.4360
- VL Asset tag, with tamper switch, infrared/RF 125.4370

Technical data

- Detection range: horizontal 360° (without VL Focus ring kit), vertical 180°
- Max. distance of the transmitters: 22 m (depending on installation location)
- Recommended distance from next high-range infrared sensor: approx. 15 m (depending on installation location)
- IR wavelength: 875 nm
- IR frequency: 36 kHz
- Power consumption: 24 mA
- Max. length of cable to room electronics: 200 m
- IP code: IP 40
- Ambient temperature: -10 to 50 °C
- Storage temperature: -18 to 60 °C
- Relative humidity: max. 95 %
- Housing: plastic (PC)
- Dimensions (WxHxD): 132 x 70 x 32 mm
- Weight: 40 g

Characteristics

- Connection with 4-wire line to one of these room electronics:
  - Tracking controller 130.1250
  - Room electronics with RFID, call button, presence button 130.1301
  - Room electronics with RFID, call button, presence button, white 130.1305
  - Communication terminal Touch LAN 130.7521
- Easy installation in ceiling tiles or on the surface with VL Surface mounting box for infrared/RF sensor, stock code number 125.4400.
- Monitored area can be restricted with VL Focus ring kit, stock code number 125.4410.
- 4 diodes for detecting infrared signals of the transmitters.

Components

1 Infrared sensor with 4 diodes
1 Terminal, screwless, 4 pin (3.5 mm) 125.6640

VL Infrared sensor, short range 125.4305

Addressable sensor for the localisation of infrared transmitters carried by people or attached to assets. If any are detected, the infrared sensor forwards the information to the room electronics, which then triggers a call or sets or cancels a presence. This allows presences to be set or cancelled automatically when someone enters or leaves a room, the location of people or assets to be found and activities to be recorded in mediLog.

The infrared sensor can detect the infrared radiation of these transmitters:

- VL Universal tag, with emergency call, infrared/RF white 125.4330
- VL Universal tag, with emergency call, infrared/RF white, red button 125.4340
- VL Universal tag, with emergency call, infrared/RF green 125.4350
- VL Universal tag, with emergency call, infrared/RF yellow 125.4360
- VL Asset tag, with tamper switch, infrared/RF 125.4370

Characteristics

- Connection with 4-wire line to one of these room electronics:
  - Tracking controller 130.1250
  - Room electronics with RFID, call button, presence button 130.1301
  - Room electronics with RFID, call button, presence button, white 130.1305
  - Communication terminal Touch LAN 130.7521
- Easy installation in ceiling tiles or on the surface with VL Surface mounting box for infrared/RF sensor, stock code number 125.4400.
- Monitored area can be restricted with focus rings.
- 1 diode for detecting infrared signals of the transmitters.

Technical data

- Detection range: horizontal 360° (without VL Focus ring kit), vertical 180°
- Max. distance of the transmitters: 12 m (depending on installation location)
- Recommended distance from next low-range infrared sensor: approx. 8 m (depending on the installation location)
- IR wavelength: 875 nm
- IR frequency: 36 kHz
- Power consumption: 15 mA
- Max. length of cable to room electronics: 200 m
- IP code: IP 40
- Ambient temperature: -10 to 50 °C
- Storage temperature: -18 to 60 °C
- Relative humidity: max. 95 %
- Housing: plastic (PC)
- Dimensions (WxHxD): 132 x 70 x 32 mm
- Weight: 40 g

Components

1 Infrared sensor with 1 diode
1 Terminal, screwless, 4 pin (3.5 mm) 125.6640
1 Foam ring: 19 x 6 mm, opening 9 mm
1 Neoprene focus ring: 19 x 1 mm, opening 1 mm
1 Neoprene focus ring: 19 x 1 mm, opening 3 mm

VL RF sensor 125.4310

Addressable sensor for detecting signals of radio transmitters. Signals are: status reports (battery, RSSI), alarms (key). The RF sensor forwards this information to the Room electronics with RFID, call button, presence button, which triggers a corresponding call or message.

The RF sensor can detect the wireless radiation of these transmitters:

- VL Universal tag, with emergency call, infrared/RF white 125.4330
- VL Universal tag, with emergency call, infrared/RF white, red button 125.4340
- VL Universal tag, with emergency call, infrared/RF green 125.4350
- VL Universal tag, with emergency call, infrared/RF yellow 125.4360
- VL Asset tag, with tamper switch, infrared/RF 125.4370

Component of this set:

- SET - RF sensor 125.4310S

Characteristics

- Connection with 4-wire line to one of these room electronics:
  - Tracking controller 130.1250
  - Room electronics with RFID, call button, presence button 130.1301
  - Room electronics with RFID, call button, presence button, white 130.1305
  - Communication terminal Touch LAN 130.7521
- Easy installation in ceiling tiles or on the surface with VL Surface mounting box for infrared/RF sensor, stock code number 125.4400.

Technical data

- Distance of transmitters: 15 to 25 m (depending on installation location)
- Recommended distance from next RF sensor: 20 m (depending on installation location)
- Bandwidth: 800 kHz
- Radio frequency: 433.92 MHz
- Sensitivity: -100 dBm (-97 Bm min.)
- Power consumption: 31 mA
- Max. length to room electronics: 200 m
- IP code: IP 40
- Ambient temperature: -10 to 50 °C
- Storage temperature: -18 to 60 °C
- Relative humidity: max. 95 %
- Housing: plastic (PC)
- Dimensions (WxHxD): 132 x 70 x 32 mm
- Weight: 46 g

Components

1 RF sensor
1 Terminal, screwless, 4 pin (3.5 mm) 125.6640

SET - RF sensor 125.4310S

Addressable sensor for detecting signals of radio transmitters. Signals are: status reports (battery, RSSI), alarms (key). The RF sensor forwards this information to the Room electronics with RFID, call button, presence button, which triggers a corresponding call or message.

The RF sensor can detect the wireless radiation of these transmitters:

- VL Universal tag, with emergency call, infrared/RF white 125.4330
- VL Universal tag, with emergency call, infrared/RF white, red button 125.4340
- VL Universal tag, with emergency call, infrared/RF green 125.4350
- VL Universal tag, with emergency call, infrared/RF yellow 125.4360
- VL Asset tag, with tamper switch, infrared/RF 125.4370

Characteristics

- Connection with 4-wire line to one of these room electronics:
  - Tracking controller 130.1250
  - Room electronics with RFID, call button, presence button 130.1301
  - Room electronics with RFID, call button, presence button, white 130.1305
  - Communication terminal Touch LAN 130.7521
- Easy installation in ceiling tiles or on the surface with VL Surface mounting box for infrared/RF sensor, stock code number 125.4400.

Technical data

- Distance of transmitters: 15 to 25 m (depending on installation location)
- Recommended distance from next RF sensor: 20 m (depending on installation location)
- Bandwidth: 800 kHz
- Radio frequency: 433.92 MHz
- Sensitivity: -100 dBm (-97 Bm min.)
- Power consumption: 31 mA
- Max. length to room electronics: 200 m
- IP code: IP 40
- Ambient temperature: -10 to 50 °C
- Storage temperature: -18 to 60 °C
- Relative humidity: max. 95 %
- Housing: plastic (PC)
- Dimensions (WxHxD): 132 x 70 x 32 mm
- Weight: 46 g

Components

1 VL RF sensor 125.4310
2 VL Ferrite for RF sensor 125.4315

VL Ferrite for RF sensor 125.4315

Ferrite bead for connecting the RF sensor, 125.4310, to the room electronics.

Component of this set:

- SET - RF sensor 125.4310S

Technical data

- Dimensions (ØxD): 14.2 x 25 mm, internal diameter 7.2 mm
- Weight: 14 g

VL Universal tag, with emergency call, infrared/RF white — 125.4330

Tag for people and assets so that they can be localised by infrared sensors and signals can be detected by the RF sensor.

Sensors for the universal tag:

- VL Infrared sensor, long range 125.4300
- VL Infrared sensor, short range 125.4305
- VL RF sensor 125.4310

Characteristics

- White with white call button.
- Unique identification number.
- Message if battery is low.
- Integrated motion sensor for longer battery life: Radio signal and infrared signal every 120 s when idle. Radio signal every 120 s, infrared signal every 3 s when moving.
- Other fixing options:
  - VL Fixing clip for universal tags, pack of 10 125.4380
  - VL Velcro strip for universal tags, pack of 10 125.4390

Technical data

- IR range: within the range of the sensor
- IR light: digitised infrared light, not visible
- IR wavelength: 875 nm
- IR frequency: 36 kHz
- IR power: 0.3 W (max.) ± 5 %
- RF range: 27 m
- Radio frequency: 433.92 MHz
- RF power: less than 1 mW
- Battery CR2477 (lithium), 1000 mAh
- Battery life: up to 18 months, depending on use
- IP code: IP 40
- Ambient temperature: -0 to 52 °C
- Storage temperature: -10 to 60 °C
- Relative humidity: max. 95 %
- Housing: plastic (PC)
- Tag dimensions (WxHxD): 63 x 43 x 14 mm
- Weight (tag with fixing clip): 33 g

Components

- Universal tag
- Fixing clip

You will also need

- Battery CR2477 (lithium), 1000 mAh

VL Universal tag, with emergency call, infrared/RF white, red button — 125.4340

Tag for people and assets so that they can be localised by infrared sensors and signals can be detected by the RF sensor.

Sensors for the universal tag:

- VL Infrared sensor, long range 125.4300
- VL Infrared sensor, short range 125.4305
- VL RF sensor 125.4310

Characteristics

- White with red call button.
- Unique identification number.
- Message if battery is low.
- Integrated motion sensor for longer battery life: Radio signal and infrared signal every 120 s when idle. Radio signal every 120 s, infrared signal every 3 s when moving.
- Other fixing options:
  - VL Fixing clip for universal tags, pack of 10 125.4380
  - VL Velcro strip for universal tags, pack of 10 125.4390

Technical data

- IR range: within the range of the sensor
- IR light: digitised infrared light, not visible
- IR wavelength: 875 nm
- IR frequency: 36 kHz
- IR power: 0.3 W (max.) ± 5 %
- RF range: 27 m
- Radio frequency: 433.92 MHz
- RF power: less than 1 mW
- IP code: IP 40
- Battery: CR2477 (lithium), 1000 mAh
- Battery life: up to 18 months, depending on use
- Ambient temperature: -0 to 52 °C
- Storage temperature: -10 to 60 °C
- Relative humidity: max. 95 %
- Housing: plastic (PC)
- Tag dimensions (WxHxD): 63 x 43 x 14 mm
- Weight (tag with fixing clip): 33 g

Components

- Universal tag
- Fixing clip

You will also need

- Battery CR2477 (lithium), 1000 mAh

VL Universal tag, with emergency call, infrared/RF green — 125.4350

Tag for people and assets so that they can be localised by infrared sensors and signals can be detected by the RF sensor.

Sensors for the universal tag:

- VL Infrared sensor, long range 125.4300
- VL Infrared sensor, short range 125.4305
- VL RF sensor 125.4310

Characteristics

- Green with green call button.
- Unique identification number.
- Message if battery is low.
- Integrated motion sensor for longer battery life: Radio signal and infrared signal every 120 s when idle. Radio signal every 120 s, infrared signal every 3 s when moving.
- Other fixing options:
  - VL Fixing clip for universal tags, pack of 10 125.4380
  - VL Velcro strip for universal tags, pack of 10 125.4390

Technical data

- IR range: within the range of the sensor
- IR light: digitised infrared light, not visible
- IR wavelength: 875 nm
- IR frequency: 36 kHz
- IR power: 0.3 W (max.) ± 5 %
- RF range: 27 m
- Radio frequency: 433.92 MHz
- RF power: less than 1 mW
- Battery: CR2477 (lithium), 1000 mAh
- Battery life: up to 18 months, depending on use
- IP code: IP 40
- Ambient temperature: -0 to 52 °C
- Storage temperature: -10 to 60 °C
- Relative humidity: max. 95 %
- Housing: plastic (PC)
- Tag dimensions (WxHxD): 63 x 43 x 14 mm
- Weight (tag with fixing clip): 33 g

Components

- Universal tag
- Fixing clip

You will also need

- Battery CR2477 (lithium), 1000 mAh

VL Universal tag, with emergency call, infrared/RF yellow — 125.4360

Tag for people and assets so that they can be localised by infrared sensors and signals can be detected by the RF sensor.

Sensors for the universal tag:

- VL Infrared sensor, long range 125.4300
- VL Infrared sensor, short range 125.4305
- VL RF sensor 125.4310

Characteristics

- Yellow with yellow call button.
- Unique identification number.
- Message if battery is low.
- Integrated motion sensor for longer battery life: Radio signal and infrared signal every 120 s when idle. Radio signal every 120 s, infrared signal every 3 s when moving.
- Other fixing options:
  - VL Fixing clip for universal tags, pack of 10 125.4380
  - VL Velcro strip for universal tags, pack of 10 125.4390

Technical data

- IR range: within the range of the sensor
- IR light: digitised infrared light, not visible
- IR wavelength: 875 nm
- IR frequency: 36 kHz
- IR power: 0.3 W (max.) ± 5 %
- RF range: 27 m
- Radio frequency: 433.92 MHz
- RF power: less than 1 mW
- Battery: CR2477 (lithium), 1000 mAh
- Battery life: up to 18 months, depending on use
- IP code: IP 40
- Ambient temperature: -0 to 52 °C
- Storage temperature: -10 to 60 °C
- Relative humidity: max. 95 %
- Housing: plastic (PC)
- Tag dimensions (WxHxD): 63 x 43 x 14 mm
- Weight (tag with fixing clip): 33 g

Components

- Universal tag
- Fixing clip

You will also need

- Battery CR2477 (lithium), 1000 mAh

VL Asset tag, with tamper switch, infrared/RF — 125.4370

Tag for assets so that they can be localised by infrared sensors and signals can be detected by the RF sensor.

Sensors for the asset tag:

- VL Infrared sensor, long range 125.4300
- VL Infrared sensor, short range 125.4305
- VL RF sensor 125.4310

Characteristics

- Sabotage contact, triggered if the asset tag is removed from the asset.
- Unique identification number.
- Message if battery is low.
- Integrated motion sensor for longer battery life: Radio signal and infrared signal every 120 s when idle. Radio signal every 120 s, infrared signal every 3 s when moving.

Technical data

- IR range: 4.8 m
- IR light: digitised infrared light, not visible
- IR wavelength: 875 nm
- IR frequency: 36 kHz
- IR power: 0.3 W (max.) ±5 %
- RF range: 27 m
- Radio frequency: 433.92 MHz
- RF power: less than 1 mW
- Battery: CR2477 (lithium), 1000 mAh
- Battery life: up to 18 months, depending on use
- IP code: IP 40
- Ambient temperature: -0 to 52 °C
- Storage temperature: -10 to 60 °C
- Relative humidity: max. 95 %
- Housing: plastic (PC)
- Dimensions (WxHxD): 56 x 30 x 12 mm
- Weight: 21 g

Components

- Asset tag
- Adhesive tape for attaching to assets

You will also need

- Battery CR2477 (lithium), 1000 mAh

VL Velcro strip for universal tags, pack of 10 — 125.4390

Velcro strip for VL Universal tags for attaching:

- VL Universal tag, with emergency call, infrared/RF white 125.4330
- VL Universal tag, with emergency call, infrared/RF white, red button 125.4340
- VL Universal tag, with emergency call, infrared/RF green 125.4350
- VL Universal tag, with emergency call, infrared/RF yellow 125.4360

Technical data

- Dimensions (WxHxD): 20 x 420 x 2 mm
- Weight: 4 g

Packing unit

10 items

VL Surface mounting box for infrared/RF sensor — 125.4400

Surface mounting box for mounting sensors:

- VL Infrared sensor, long range 125.4300
- VL Infrared sensor, short range 125.4305
- VL RF sensor 125.4310

Technical data

- Colour: white
- Material: plastic (ABS)
- Dimensions (WxHxD): 150 x 130 x 35 mm
- Weight: 95 g

VL Focus ring kit — 125.4410

With focus rings you can reduce the cone of coverage of an infrared sensor. A sensor without focus rings has a pickup-radius of approx. 9 m in a height of approx. 1.4 m. With a 6 mm focus ring the pickup range is that of a bed. Select the focus ring depending on the needed pickup range. The kit contains foam rings for fixing the focus rings and thin neoprene focus rings with openings 6 mm, 16 mm, 19 mm.

Suitable for:

- VL Infrared sensor, long range 125.4300

Technical data

- Dimensions (ØxH):
  - Foam ring: 40 x 10 mm, opening 25 mm (1 inch)
  - Neoprene focus rings: 40 x 1 mm, opening 6 mm, 16 mm, 19 mm
- Weight: 50 g

Components

1 Foam ring
1 Neoprene focus ring, 6 mm (1/4 inch)
1 Neoprene focus ring, 16 mm (5/8 inch)
1 Neoprene focus ring, 19 mm (3/4 inch)

VL Adhesive tapes for 125.4370, pack of 10 — 125.4420

Replacement adhesive tape for VL Asset tag, with tamper switch, infrared/RF, stock code number 125.4370.

Packing unit

10 items

VL Radio receiver — 125.4851

The VL Radio receiver can receive a call from a radio transmitter (VL Wireless pendant, stock code number 125.4861), and forward it to Medicall 800.

Characteristics

- The radio receiver can be operated in one of these modes:
  - Targeted reception: up to 3 radio transmitters (VL Wireless pendants in any combination can be assigned to one radio receiver. The receiver responds only to the calls of these registered radio transmitters.
  - General reception: all radio transmitters in the building (VL Wireless pendants) can access the radio receiver if they are within its range.
- Connection to VL Socket 125.xxxx and 127.xxxx

Technical data

- VarioLine plug Sub-D 15-pin, for connection to VL Sockets 125.xxxx and 127.xxxx
- LED: red, green
- Buttons concealed
- Frequency range: European Social Alarm Frequency 869.2 MHz.
- IP code: IP 20
- Ambient temperature: 5 to 40 °C
- Storage temperature: -5 to +70 °C
- Relative humidity: max. 85 %, non-precipitating
- Colour: grey white (RAL 9002)
- Material (housing): plastic (ABS)
- Dimensions (WxHxD): 100 x 48 x 24 mm
- Weight: 65 g

VL Wireless pendant — 125.4861

Radio transmitter for:

- VL Radio receiver 125.4851

Characteristics

- A call of the wireless pendant is transmitted wirelessly to the radio receiver, which then forwards the call to Medicall 800.
- Reassurance light on wireless pendant, lights up red if pressure is applied on the call button. If the call was received from the radio receiver, the reassurance light lights up green briefly.

Technical data

- Frequency range: European Social Alarm Frequency 869.2 MHz.
- Max. range: up to 250 m in the open/up to 30 m in buildings (depending on the structure of the building)
- IP code: IP 65
- Battery: lithium button cell 3 V CR2032, can be replaced by the customer, life 3 to 5 years
- Ambient temperature: 0 to +40 °C
- Storage temperature: -5 to +70 °C
- Colour: housing pure white (RAL 9010), call button luminous red (RAL 3024)
- Material (housing): plastic (PC)
- Length of lanyard: 80 cm
- Dimensions (WxHxD): 55 x 35 x 15 mm
- Weight: 21 g (inc. lanyard)

VL Telephone handset with cable — 125.4900

Telephone handset with spiral cable for:
- VL Telephone 125.4800
- VL Telephone plus 125.4810

The handset is hearing aid compatible.

VL Lanyard for wireless pendant — 125.4910

Lanyard for VL Wireless pendant, 125.4860.

Technical data
- Length of lanyard: 80 cm

VL Radio receiver with wireless pendant with strap — 125.4931

VL Radio receiver with wireless pendant with strap.

Components
1 VL Radio receiver 125.4851
1 VL Wireless pendant 125.4861
1 Strap for wireless pendant

VL Strap for wireless pendant 125.4861, pack of 10 — 125.4950

Strap for VL Wireless pendant, stock code number 125.4861.

Technical data
- Weight: 10 g
- Dimensions (WxHxD): 180 x 20 x 2 mm

Packing unit
10 items

Cable with mini-DIN plug for call triggering device, pack of 10 — 125.5570

Cable for the connection of a call triggering device to a base module with mini-DIN socket.
A call triggering device may be a tread mat, suction-blow sensor, moisture sensor or the like.
Sockets with mini-DIN socket are included in these sets:

- SET - Call panel, socket 15 pin, socket mini-DIN, VDE 125.7410S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 125.7901S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU 125.7911S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 125.7921S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 125.7931S
- SET - Call panel, socket 15 pin, socket mini-DIN, VDE 127.7410S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 127.7960S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU 127.7970S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, clamps, MSU 127.7990S

Technical data

- Colour: pure white (RAL 9010)
- Length: 3.0 m
- Weight: 120 g

Packing unit

10 items

You will also need

1 Resistor 22 kΩ
1 Resistor 270 kΩ

VL Patient´s handset, 1 call button, antimicrobial — 125.5601

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 143 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, cable 5 m, antimicrobial — 125.5601XL

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 5 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 143 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 1 light button, antimicrobial — 125.5611

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- One light button, yellow, e.g. for bed light. With locating light, low amber luminous.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 145 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, antimicrobial 125.5621

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. room light and bed light. Bed light button with locating light, low amber luminous.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 147 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, cable 5 m, antimicrobial 125.5621XL

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 5 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 147 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, antimicrobial — 125.5631

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- One service call button, grey.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 160 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 125.5641

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- One service call button, grey.
- Two function buttons, grey. For controlling additional functions (roller blinds or bedhead up/down)
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Control of connected devices (e.g. roller blinds or bedhead).

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated
- Reassurance light of the patient call button: 15 mA
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: output voltage 24 V, load 20 mA (with inductive load suppressed)
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 160 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, antimicrobial — 125.5701

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- One service call button, grey.
- Five buttons for controlling radio/TV and controlling other connected devices (e.g. roller blinds or bedhead).
  Additional hardware for connecting and controlling a TV or other appliance is required. Further information on request.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- 1-digit 7-segment display.
- Headphone connection. Protected against touch, for standard stereo headphones (32 Ω).
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Change of configuration with Configuration adapter patient´s handset, stock code number 125.6060

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA when radio/TV active with headphones
- Output voltage: 10 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated; Select: circuit voltage class of the radio module 125.0801
- Reassurance light of the patient call button: 15 mA, LED, red
- Pulse duration for TV control: Output voltage: 24 V; One-button control: while key is being pressed; Button control: programme up: 100 ms, programme down: 200 ms, basic volume up: 300 ms, basic volume down: 400 ms
  The patient's handset only allows you to control selected televisions. You also need a special TV interface (hardware). For further information please contact your local sales partner.
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: 20 mA at 17 V output voltage
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 180 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

You will also need

- Dynamic headphones 093.332

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial — 125.5711

Patient's handset with speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- One service call button, grey.
- Five buttons for controlling radio/TV and controlling other connected devices (e.g. roller blinds or bedhead).
  Additional hardware for connecting and controlling a TV or other appliance is required. Further information on request.
- Antimicrobial membrane keypad: The patient call buttons have a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- 1-digit 7-segment display.
- Headphone connection. Protected against touch, for standard stereo headphones (32 Ω).
- Speaker on the rear for handsfree and discreet speech and radio transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Change of configuration with Configuration adapter patient´s handset, stock code number 125.6060

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated; Select: circuit voltage class of the radio module 125.0801
- Reassurance light of the patient call button: 15 mA, LED, red
- Pulse duration for TV control: Output voltage: 24 V; One-button control: while key is being pressed; Button control: programme up: 100 ms, programme down: 200 ms, basic volume up: 300 ms, basic volume down: 400 ms
  The patient's handset only allows you to control selected televisions. You also need a special TV interface (hardware). For further information please contact your local sales partner.
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: 20 mA at 17 V output voltage
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 210 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

You will also need

- Dynamic headphones 093.332

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial — 125.5721

Patient's handset with speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- One service call button, grey.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- Speaker on the rear for handsfree and discreet speech transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 190 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, connector for headphone, radio/TV, with speech, antimicrobial 125.5731

Patient's handset with speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Five buttons for controlling radio/TV and controlling other connected devices (e.g. roller blinds or bedhead).
  Additional hardware for connecting and controlling a TV or other appliance is required. Further information on request.
- 1-digit 7-segment display.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- Headphone connection. Protected against touch, for standard stereo headphones (32 Ω).
- Speaker on the rear for handsfree and discreet speech and radio transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Change of configuration with Configuration adapter patient´s handset, stock code number 125.6060

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when the patient call button is actuated; Select: circuit voltage class of the radio module 125.0801
- Reassurance light of the patient call button: 15 mA, LED, red
- Pulse duration for TV control: Output voltage: 24 V; One-button control: while key is being pressed; Button control: programme up: 100 ms, programme down: 200 ms, basic volume up: 300 ms, basic volume down: 400 ms
  The patient's handset only allows you to control selected televisions. You also need a special TV interface (hardware). For further information please contact your local sales partner.
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. load of FT 1/2 output: 20 mA at 17 V output voltage
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 210 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  – Ambient temperature: 5 to 40 °C
  – Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

You will also need

- Dynamic headphones 093.332

VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial — 125.5741

Patient's handset with speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- Speaker on the rear for handsfree and discreet speech transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 125.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when the patient call button is actuated
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Reassurance light: 15 mA
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 190 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Blanket clip — 125.5830

Clip for fastening a VL patient's handset from stock code number 125.5600 to clothing or a bed.

NHS emergency pull switch 125.6040

Emergency pull switch for cardiac call.

Characteristics

- Red pull switch for cardiac call. With locating light and reassurance light (LED, red).
  Depending on the configuration, a call can be triggered when the pull switch is pulled out or when it is pressed.
  Pull switch engages. The call remains initiated until the pull switch is pushed in or pulled out again.
- Locating light can be activated or deactivated.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (ABS), antimicrobial
- Dimensions (WxH): 80 x 80 x 38 mm (mounting height)
- Weight: 70 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Output:
  - Output voltage 15 V or 24 V (adjustable with jumper)
  - Monitoring resistance 150 kΩ or 56 kΩ (adjustable with jumper)
  - Output current max. 2.5 mA at 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Input:
  - LED, red, activated with 0 V, current consumption max. 15 mA
- Licensed in accordance with DIN VDE 0834.

Components

1	Grey mounting frame with integrated PCB	
1	VL Cover plate for pull switch/pneumatic switch	125.3600
4	Terminal clamp connector	141.5840

Configuration adapter patient´s handset 125.6060

Configuration adapter for configuring the VL Patient's handset with radio/TV control of series 125.57xx and 127.57xx.

Adapter for medical device, with mini-DIN plug, electrically isolated 125.6100

Adapter for galvanic isolation of the patient's environment (medical electrical device or patient's handset) of Medicall 800. The adapter prevents dangerous voltages from being discharged through the patient, putting him at risk.

The following call components can be connected to the adapter:

- Alarm output of a medical electrical device
- VL Patient handset, 1 call button, only for adapter for medical device, electrically isolated 127.6120IP

Only connect the adapter to connect to sockets of a Medicall 800 system.

Technical data

- Operating voltage: 24 V
- Current consumption: 25 mA, powered from power supply for Medicall 800, protection class 1
- Protection class: 3 (safety extra low voltage SELV)
- Safe distance at different frequencies
  - 150 kHz to 80 MHz (CB radio): 0.01 W 0.12 m, 0.1 W 0.37 m, 1 W 1.17 m, 10 W 3.69 m, 100 W 11.67 m
  - 80 to 800 MHz (PMR radio): 0.01 W 0.04 m, 0.1 W 0.11 m, 1 W 0.35 m, 10 W 1.11 m, 100 W 3.50 m
  - 800 MHz to 2.5 GHz (mobile): 0.01 W 0.07 m, 0.1 W 0.22 m, 1 W 0.70 m, 10 W 2.21 m, 100 W 7.00 m
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Storage temperature: 0 to 50 °C
- Relative humidity: max. 85 %, non-precipitating
- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (ABS)
- Dimensions (WxHxD): 35 x 29 x 105 mm, cable length 210 mm
- Weight: 71 g
- Transport conditions: fragile goods, protect against damp, electrostatically sensitive construction element
- Line monitoring
- Reassurance light for stand-by and alarm/call LED
- Plug connection to call system: mini-DIN
- Plug connection to medical electrical device: RJ10 (voltage free)
- Plug connection to patient's handset: RJ10 (normally open contact and reassurance light)
- Eyelet for secure fixing to a wall hook
- Standards:
  - DIN VDE 0834

Delivery package

1 Adapter for medical device, with mini-DIN plug, galvanically isolated
1 Connection cable for medical device 125.6130
6 Adhesive labels with safety information in various languages

Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

Adapter for galvanic isolation of the patient's environment (medical electrical device or patient's handset) of Medicall 800. The adapter prevents dangerous voltages from being discharged through the patient, putting him at risk.

The following call components can be connected to the adapter:

- Alarm output of a medical electrical device
- VL Patient handset, 1 call button, only for adapter for medical device, electrically isolated 127.6120IP

Only use the adapter to connect to sockets of a Medicall 800 system.

Technical data

- Operating voltage: 24 V
- Current consumption: 25 mA, powered from power supply for Medicall 800, protection class 1
- Protection class: 3 (safety extra low voltage SELV)
- Safe distance at different frequencies
  - 150 kHz to 80 MHz (CB radio): 0.01 W 0.12 m, 0.1 W 0.37 m, 1 W 1.17 m, 10 W 3.69 m, 100 W 11.67 m
  - 80 to 800 MHz (PMR radio): 0.01 W 0.04 m, 0.1 W 0.11 m, 1 W 0.35 m, 10 W 1.11 m, 100 W 3.50 m
  - 800 MHz to 2.5 GHz (mobile): 0.01 W 0.07 m, 0.1 W 0.22 m, 1 W 0.70 m, 10 W 2.21 m, 100 W 7.00 m
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Storage temperature: 0 to 50 °C
- Relative humidity: max. 85 %, non-precipitating
- Colour (housing): pure white (RAL 9010)
- Material (housing): plastic (ABS)
- Dimensions (WxHxD): 35 x 29 x 105 mm, cable length 195 mm
- Weight: 80 g
- Transport conditions: fragile goods, protect against damp, electrostatically sensitive construction element
- Line monitoring
- Reassurance light for stand-by and alarm/call LED
- Plug connection to call system: Sub-D, fitting into 15-pin VarioLine sockets 125.xxxx and 127.xxxx
- Plug connection to medical electrical device: RJ10 (voltage free)
- Plug connection to patient's handset: RJ10 (normally open contact and reassurance light)
- Eyelet for secure fixing to a wall hook
- Standards:
  - DIN VDE 0834

Delivery package

1 Adapter for medical device, with Sub-D plug, galvanically isolated
1 Connection cable for medical device 125.6130
6 Adhesive labels with safety information in various languages
2 Hooks facing inwards for Sub-D plug, 15 pins, for 125.xxxx sockets (pre-assembled)
2 Hooks facing outwards for Sub-D plug, 15 pins, for 127.xxxx sockets

Connection cable for medical device — 125.6130

Connection cable for connecting a medical device to an adapter for medical devices. With RJ10 connector (for adapter) and open end (for alarm output of a medical electrical device.

Suitable for:

- Adapter for medical device, with mini-DIN plug, electrically isolated 125.6100
- Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

Technical data

- Length: 5 m

Components

1 Supply cable
2 Resistors 910 Ω

VL Ribbon cable 16 pin for connection to 15 pin adapter — 125.6200

Ribbon cable 16 pin for connection of a VL Adapter with radio/TV module, 15 pin, stock code number 125.0801 to VL Base modules, stock code number 125.0550, 125.0560, 125.0570, 125.0701, 125.0710, 125.0720, 127.0550, 127.0560, 127.0570, 127.0750, 127.0760 and 127.0770.

Component of these sets:

- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 127.7960S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU 127.7970S

Technical data

- Length: 200 mm
- Weight: 14 g

VL Ribbon cable 16 pin for connection to 15 pin adapter - Extension — 125.6210

Extension to VL Ribbon cable 16 pin for connection to 15 pin adapter, stock code number 125.6200 for connection of a VL Adapter with radio/TV module, 15 pin, stock code number 125.0801 to VL Base modules, stock code number 125.0550, 125.0560, 125.0570, 125.0701, 125.0710, 125.0720, 127.0550, 127.0560, 127.0570, 127.0750, 127.0760 and 127.0770.

Technical data

- Length: 300 mm
- Weight: 15 g

VL Ribbon cable 10 pin for connection to 26 pin adapter — 125.6220

10-pin ribbon cable for connecting a VL Adapter for patient´s handset with telephone 26 pin, stock code number 125.0811, to VL base modules, stock code numbers 125.0560, 125.0710, 127.0560 and 127.0760.

Component of these sets:

- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 125.7921S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 125.7931S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 127.7960S

Technical data

- Length: 200 mm
- Weight: 10 g

VL Ribbon cable 10 pin for connection to 26 pin adapter - Extension — 125.6230

Extension of the VL Ribbon cable 10 pin for connection to 26 pin adapter, stock code number 125.6220, for connecting a VL Adapter for patient´s handset with telephone 26 pin, stock code number 125.0811, to VL base modules, stock code numbers 125.0560, 125.0710, 127.0560 and 127.0760.

Technical data

- Length: 300 mm
- Weight: 10 g

VL Metal carrier for 15 and 26 pin adapter — 125.6300

Metal carrier for adapters 125.0801 and 125.0811 for mounting in a flush mounting box E2.

Component of these sets:

- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 125.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 125.7921S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S

Technical data

- Weight: 34 g

VL Siemens MediSET cable 26 pin — 125.6400

Cable for connecting a MediSET patient's handset to a 26-pin VL socket, stock code numbers 125.0560, 125.0710.

Technical data

- Length: 3 m

VL Siemens MediSET GS cable 26 pin — 125.6410

Cable for connecting a MediSET GS patient's handset to a 26-pin VL socket, stock code numbers 125.0560, 125.0710.

Technical data

- Length: 3 m

VL Siemens MediSET 4 GS cable 26 pin — 125.6420

Cable for connecting a MediSET 4 GS patient's handset to a 26-pin socket, stock code numbers 125.0560, 125.0710.

Technical data

- Length: 3 m

VarioLine Alcatel Klinik4 cable 26 pin	125.6430

Cable for connecting an Alcatel Klinik 4 patient's handset to a 26-pin VL socket, stock code numbers 125.0560, 125.0710.

Technical data
- Length: 3 m

RIA screw connector block 2 pin (3.5 mm)	125.6520

Modular screw connector block, 2 pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: max. 1 mm
- Voltage: max. 200 V
- Current: max. 6 A
- Colour: black
- Dimensions (WxHxD): 7 x 10 x 9.5 mm
- Weight: 1 g

RIA screw connector block 4 pin (3.5 mm)	125.6540

Modular screw connector block, 4 pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: max. 1 mm
- Voltage: max. 200 V
- Current: max. 6 A
- Colour: black
- Dimensions (WxHxD): 14 x 10 x 9.5 mm
- Weight: 2 g

RIA screw connector block 6 pin (3.5 mm)	125.6560

Modular screw connector block, 6 pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: max. 1 mm
- Voltage: max. 200 V
- Current: max. 6 A
- Colour: black
- Dimensions (WxHxD): 21 x 10 x 9.5 mm
- Weight: 3 g

RIA screw connector block 8 pin (3.5 mm)	125.6580

Modular screw connector block, 8 pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: max. 1 mm
- Voltage: max. 200 V
- Current: max. 6 A
- Colour: black
- Dimensions (WxHxD): 28 x 10 x 9.5 mm
- Weight: 4 g

Terminal, screwless, 2 pin (3.5 mm) — 125.6620

Plug-in terminal, 2 pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: 0.4 to 0.8 mm
- Voltage: max. 100 V
- Current: max. 2 A
- Colour: grey
- Dimensions (WxHxD): 7 x 11 x 10.5 mm
- Weight (per terminal): 1,0 g

Packing unit
100items

Terminal, screwless, 2 pin (3.5 mm), green — 125.6625

Plug-in terminal, 2 pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: 0.4 to 0.8 mm
- Voltage: max. 160 V
- Current: max. 4 A at 0.5 mm^2 wire cross-section
- Colour: green
- Dimensions (WxHxD): 3.5 x 8.5 x 9.5 mm
- Weight (per terminal): 0,5 g

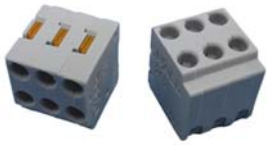
Packing unit
50 items

Terminal, screwless, 3 pin (3.5 mm) — 125.6630

Plug-in terminal, 3-pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: 0.4 to 0.8 mm
- Voltage: max. 100 V
- Current: max. 2 A
- Colour: grey
- Dimensions (WxHxD): 10.5 x 11 x 10.5 mm
- Weight (per terminal): 1,4 g

Packing unit
100items



Terminal, screwless, 3 pin (3.5 mm), green — 125.6635

Plug-in terminal, 3-pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: 0.4 to 0.8 mm
- Voltage: max. 160 V
- Current: max. 4 A at 0.5 mm^2 wire cross-section
- Colour: green
- Dimensions (WxHxD): 7 x 8.5 x 9.5 mm
- Weight (per terminal): 0,8 g

Packing unit
50 items

Terminal, screwless, 4 pin (3.5 mm) — 125.6640

Plug-in terminal, 4 pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: 0.4 to 0.8 mm
- Voltage: max. 100 V
- Current: max. 2 A
- Colour: grey
- Dimensions (WxHxD): 14 x 11 x 10.5 mm
- Weight (per terminal): 1,8 g

Packing unit
100items

Terminal, screwless, 4 pin (3.5 mm), green — 125.6645

Plug-in terminal, 4 pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: 0.4 to 0.8 mm
- Voltage: max. 160 V
- Current: max. 4 A at 0.5 mm^2 wire cross-section
- Colour: green
- Dimensions (WxHxD): 10.5 x 8.5 x 9.5 mm
- Weight (per terminal): 1,6 g

Packing unit
50 items

Terminal, screwless, 5 pin (3.5 mm) — 125.6650

Plug-in terminal, 5-pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: 0.4 to 0.8 mm
- Voltage: max. 100 V
- Current: max. 2 A
- Colour: grey
- Dimensions (WxHxD): 17.5 x 11 x 10.5 mm
- Weight (per terminal): 2,3 g

Packing unit
100items

Terminal, screwless, 5 pin (3.5 mm), green — 125.6655

Plug-in terminal, 5-pin, for connecting wires to the pins of a PCB.

Technical data
- Spacing: 3.5 mm
- Wire diameter: 0.4 to 0.8 mm
- Voltage: max. 160 V
- Current: max. 4 A at 0.5 mm^2 wire cross-section
- Colour: green
- Dimensions (WxHxD): 14 x 8.5 x 9.5 mm
- Weight (per terminal): 1,7 g

Packing unit
50 items

Terminal, screwless, 6 pin (3.5 mm), green — 125.6665

Plug-in terminal, 6 pin, for connecting wires to the pins of a PCB.

Technical data

- Spacing: 3.5 mm
- Wire diameter: 0.4 to 0.8 mm
- Voltage: max. 160 V
- Current: max. 4 A at 0.5 mm^2 wire cross-section
- Colour: green
- Dimensions (WxHxD): 17.5 x 8.5 x 9.5 mm
- Weight (per terminal): 2,0 g

Packing unit

50 items

VL Base module with button — 127.0100

VarioLine base module button with electronics.
Component of these sets:

- SET - Buzzer panel 127.8000S
- SET - Presence, reset panel, 1 presence button 127.8100S
- SET - Presence, reset panel, 1 presence button, buzzer 127.8110S
- SET - Call panel 127.8120S
- SET - Reset panel 127.8130S
- SET - Call, presence reset panel 127.8220S
- SET - Call, presence reset panel, buzzer 127.8230S
- SET - Call and reset panel 127.8240S

Characteristics

- Line monitoring on OUT1/2 to room electronics can be activated/deactivated.
- Button/LED:
  - Prepared for 2 buttons and 2 LEDs.
  - Locating light on button 1 can be activated or deactivated.
  - Reassurance light (LED, yellow) on button 1 and 2.
  - The function of the buttons can be changed with jumpers.
    1st button: call button for all call types, cancel call, presence, light
    2nd button: call button (0 V or 24 V) or cancel call or presence or light
  - Different functions can be combined, e.g. call and cancel call.
  - Different button caps can be mounted by means of a button actuator pin.
- Plug-in option for VL base modul buzzer (spare), stock code number 125.0001 and VL base module buzzer VDE, stock code number 125.0002.
- Other options:
  - Mounted in round mounting box R1.
  - Prepared for cover plates of leading switch manufacturers.

Technical data

- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Output OUT1/button 1:
  - Output voltage 0 V, 4.7 V, 10 V, 15 V or 24 V (adjustable with jumper)
  - Monitoring resistance 150 kΩ or 56 kΩ (adjustable with jumper)
  - Output current max. 2.5 mA at 4.7 V, 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output OUT2/button 2:
  - Output voltage 0 V or 24 V (adjustable with jumper)
  - Monitoring resistance 56 kΩ (on/off with jumper)
  - Output current max. 25 mA at 24 V output voltage
- Inputs:
  - LED1 and LED2, yellow, activated with 0 V, power consumption max. 15 mA
  - Buzzer control, activated with 0 V
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 71 x 71 x 17 mm
- Weight: 23 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button caps
- VL base modul buzzer (spare) 125.0001
  or VL base module buzzer VDE 125.0002
- Terminal clamp connector 141.5840

VL Base module with socket, 15 pin — 127.0500

VarioLine base module with electronics and 15-pin Sub-D socket for connecting VarioLine patient's handsets 127.xxxx with splitter modules and adapters for medical device.

Component of this set:

- SET - Call and reset panel with socket 127.8300S
- SET - Call panel with socket 127.8400S

Characteristics

- Line monitoring/Plug removed call:
  - Line monitoring on OUT1/2 to room electronics can be activated/deactivated.
  - Plug removed call if a call device connected to the Sub-D socket is removed.
- Button/LED:
  - Prepared for 2 buttons and 2 LEDs.
  - Locating light on button 1 can be activated or deactivated.
  - Reassurance light (LED, yellow) on button 1 and 2.
  - The function of the buttons can be changed with jumpers.

    1st button: call button for all call types, cancel call

    2nd button (0 V or 24 V): call button or cancel call
  - Different functions can be combined, e.g. call and cancel call.
  - Different button caps can be mounted by means of a button actuator pin.
  - On patient's handsets with a service call button, a button with output voltage 24 V may only also be configured as a service call.
- 15-pin Sub-D socket
- Other options:
  - If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
  - Connection option for bedwise speech.
  - Audio input for one radio programme.
  - Mounted in round mounting box R1.
  - Prepared for cover plates of leading switch manufacturers.
- For connection of these patient's handsets:
  - VL Radio receiver 125.4851
  - Splitter unit for diagnosic call / patient call, 1 input 125.5520

Characteristics (cont.)

- For connection of these patient's handsets (cont.):
  - VL Patient´s handset, 1 call button, antimicrobial 127.5600
  - VL Patient´s handset, 1 call button, 1 light button, antimicrobial 127.5610
  - VL Patient´s handset, 1 call button, 2 light buttons, antimicrobial 127.5620
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, antimicrobial 127.5630
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 127.5640
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial 127.5720
  - VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730
  - VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial 127.5740
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with orientation dependent speech, antimicrobial 127.5750
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with orientation dependent speech, antimicrobial 127.5760
  - VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with orientation dependent speech, antimicrobial 127.5770
  - VL Patient´s handset, 1 call button, 2 light buttons, with orientation dependent speech, antimicrobial 127.5780
  - Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

VL Base module with socket, 15 pin 127.0500

Technical data

- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Output OUT1/button 1:
  - Output voltage 10 V, 15 V or 24 V (adjustable with jumper)
  - Monitoring resistance 150 kΩ on 24 V or 56 kΩ on 0 V (adjustable with jumper)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output OUT2/button 2:
  - Output voltage 0 V or 24 V (adjustable with jumper)
  - Monitoring resistance 56 kΩ (on/off with jumper)
  - Output current max. 25 mA at 24 V output voltage
- Inputs: LED1 and LED2, yellow, activated with 0 V, power consumption max. 15 mA
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 71 x 71 x 17 mm
- Weight: 27 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button caps
- Terminal clamp connector 141.5840

VL Base module with socket, 15 pin, VDE, clamps 127.0510

VarioLine base module with electronics and 15-pin Sub-D socket for connecting VarioLine patient's handsets 127.xxxx with splitter modules and adapters for medical device.

Call button in a connected patient's handset is monitored.

Component of these sets:

- SET - Call reset panel with socket VDE 127.7300S
- SET - Call panel with socket VDE 127.7400S
- SET - Socket panel VDE 127.7500S

Characteristics

- Line monitoring/Plug removed call:
  - Line monitoring on OUT1 to room electronics can be activated/deactivated.
  - Plug removed call if a call device connected to the Sub-D socket is removed.
  - Line monitoring up to the call contact in a call device that is connected to the Sub-D socket can be activated/deactivated.
- Button/LED:
  - Prepared for 2 buttons and 1 LED on button 1.
  - Locating light on button 1.
  - Reassurance light (LED, yellow) on button 1.
  - The function of the buttons can be changed with jumpers.
    1st button (10 V or 24 V): call button for all call types, cancel call
    2nd button (0 V or 24 V): call button or cancel call
  - Different functions can be combined, e.g. call and cancel call.
  - Different button caps can be mounted by means of a button actuator pin.
  - On patient's handsets with a service call button, a button with output voltage 24 V may only also be configured as a service call.
- Connection (setting with jumpers):
  - Either: DIN VDE-compliant connection of further base modules possible.
  - Or: If patient's handsets with function keys are used, roller blinds, window, bed etc. can be controlled (max. 2 function keys).
- 15-pin Sub-D socket
- Other options:
  - If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
  - Connection option for bedwise speech.
  - Audio input for one radio programme.
  - Mounted in round mounting box R1.
  - Prepared for cover plates of leading switch manufacturers.

Characteristics (cont.)

- For connection of these patient's handsets:
  - VL Radio receiver 125.4851
  - Splitter unit for diagnosic call / patient call, 1 input 125.5520
  - VL Patient´s handset, 1 call button, antimicrobial 127.5600
  - VL Patient´s handset, 1 call button, 1 light button, antimicrobial 127.5610
  - VL Patient´s handset, 1 call button, 2 light buttons, antimicrobial 127.5620
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, antimicrobial 127.5630
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 127.5640
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial 127.5720
  - VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730
  - VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial 127.5740
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with orientation dependent speech, antimicrobial 127.5750
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with orientation dependent speech, antimicrobial 127.5760
  - VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with orientation dependent speech, antimicrobial 127.5770
  - VL Patient´s handset, 1 call button, 2 light buttons, with orientation dependent speech, antimicrobial 127.5780
  - Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

VL Base module with socket, 15 pin, VDE, clamps 127.0510

Technical data

- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Output OUT1/button 1:
  - Output voltage 10 V or 24 V (adjustable with jumper)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with jumper)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output button 2:
  - Output voltage 24 V
  - Output current max. 25 mA at 24 V output voltage
- Output function keys 1 and 2: Ampacity dependent on the patient's handsets used
- Inputs: LED1 and LED2, yellow, activated with 0 V, power consumption max. 15 mA
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 71 x 71 x 17 mm
- Weight: 31 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button caps
- Terminal clamp connector 141.5840

VL Base module with socket, 15 pins, mini-DIN, VDE, clamps 127.0520

VarioLine base module with electronics and 15-pin Sub-D socket for connecting these call devices:

- VarioLine patient's handsets 127.xxxx
- VL Radio receiver 125.4851
- Splitter unit for diagnosic call / patient call, 1 input 125.5520
- Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

With mini-DIN socket for connecting these call devices:

- Splitter unit for diagnostic call/patient call, 1 input, mini-DIN plug 125.5560
- Adapter for medical device, with mini-DIN plug, electrically isolated 125.6100
- External components, e.g. tread mat, suction-blow sensor, moisture sensor

Call devices connected to the Sub-D or mini-DIN socket can be monitored.

Component of this set:

- SET - Call panel, socket 15 pin, socket mini-DIN, VDE 127.7410S

Characteristics

- Line monitoring/Plug removed call:
  - Line monitoring on OUT1 to room electronics can be activated/deactivated.
  - Plug removed call if a call device connected to the Sub-D or mini-DIN socket is removed.
  - Line monitoring up to the call contact in a call device that is connected to the Sub-D or mini-DIN socket can be activated/deactivated.
- Button/LED:
  - Prepared for 1 button and 1 LED in the button.
  - Locating light in the button.
  - Reassurance light (LED, yellow) on the button.
  - Button (10 V or 24 V, can be changed with DIP switches): call button for all call types, cancel call
  - Different button caps can be mounted by means of a button actuator pin.
  - On patient's handsets with a service call button, a button with output voltage 24 V may only also be configured as a service call.
- Connection (setting with DIP switches):
  - Either: DIN VDE-compliant connection of further base modules possible.
  - Or: If patient's handsets with function keys are used, roller blinds, window, bed etc. can be controlled (max. 2 function keys).
- Mini-DIN socket with plug guide. This means the plug can only be inserted in the correct orientation and without suffering damage.
- 15-pin Sub-D socket

Characteristics (cont.)

- Other options:
  - If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
  - Connection option for bedwise speech.
  - Audio input for one radio programme.
  - Mounted in round mounting box R1.
  - Prepared for cover plates of leading switch manufacturers.

Technical data

- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Output OUT1/button:
  - Output voltage 10 V or 24 V (adjustable with DIP switch)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with DIP switch)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output function keys 1 and 2: Ampacity dependent on the patient's handsets used
- Inputs:
  - LED1, yellow, activated with 0 V, current consumption max. 15 mA
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 71 x 71 x 21 mm
- Weight: 36 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button cap
- Terminal clamp connector 141.5840 (quantity depends on the application)
- Cable for connecting external call devices to mini-DIN socket (must be manufactured by customer)

VL Base module with socket, 15 pin, VDE, ribbon cable 127.0550

VarioLine base module with electronics and 15-pin Sub-D socket for connecting VarioLine patient's handsets 127.xxxx with splitter modules and adapters for medical device.

Call button in a connected patient's handset is monitored.

Can only be used with VL adapter, stock code number 125.0801 or 125.0811.

Characteristics

- Line monitoring/Plug removed call:
  - Line monitoring on OUT1 to room electronics can be activated/deactivated.
  - Plug removed call if a call device connected to the Sub-D socket is removed.
  - Line monitoring up to the call contact in a call device that is connected to the Sub-D socket can be activated/deactivated.
- Button/LED:
  - Prepared for 2 buttons and 2 LEDs.
  - Locating light on button 1 can be activated or deactivated.
  - Reassurance light (LED, yellow) on button 1 and 2.
  - The function of the buttons can be changed with jumpers.
    1st button: call button for all call types, cancel call
    2nd button (0 V or 24 V): call button or cancel call
  - Different functions can be combined, e.g. call and cancel call. Button 2 can also be configured as light control.
  - Different button caps can be mounted by means of a button actuator pin.
  - On patient's handsets with a service call button, a button with output voltage 24 V may only also be configured as a service call.
- If patient's handsets with function keys are used, roller blinds, window, bed etc. can be controlled (max. 2 function keys).
- 15-pin Sub-D socket
- Other options:
  - If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
  - Connection option for bedwise speech.
  - Audio input for one radio programme.
  - Mounted in flush mounting box E2 with VL Adapter frame S2, stock code number 127.4110.
  - Prepared for cover plates of leading switch manufacturers.

Characteristics (cont.)

- For connection of these patient's handsets:
  - VL Radio receiver 125.4851
  - Splitter unit for diagnosic call / patient call, 1 input 125.5520
  - VL Patient´s handset, 1 call button, antimicrobial 127.5600
  - VL Patient´s handset, 1 call button, 1 light button, antimicrobial 127.5610
  - VL Patient´s handset, 1 call button, 2 light buttons, antimicrobial 127.5620
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, antimicrobial 127.5630
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 127.5640
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial 127.5720
  - VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730
  - VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial 127.5740
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with orientation dependent speech, antimicrobial 127.5750
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with orientation dependent speech, antimicrobial 127.5760
  - VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with orientation dependent speech, antimicrobial 127.5770
  - VL Patient´s handset, 1 call button, 2 light buttons, with orientation dependent speech, antimicrobial 127.5780
  - Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

VL Base module with socket, 15 pin, VDE, ribbon cable 127.0550

Technical data

- Connection: with ribbon cable, 16 pin
- Output OUT1/button 1:
  - Output voltage 10 V, 15 V or 24 V (adjustable with jumper)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with jumper)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output OUT2/button 2:
  - Output voltage 0 V or 24 V (adjustable with jumper)
  - Monitoring resistance 56 kΩ (on/off with jumper)
  - Output current max. 25 mA at 24 V output voltage
- Output function keys 1 and 2: Ampacity dependent on the patient's handsets used
- Inputs: LED1 and LED2, yellow, activated with 0 V, power consumption max. 15 mA
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 71 x 71 x 17 mm
- Weight: 31 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button caps
- VL Ribbon cable 16 pin for connection to 15 pin adapter 125.6200
- VL Adapter 125.0801 or 125.0811
- VL Metal carrier for 15 and 26 pin adapter 125.6300
- VL Adapter frame S2 127.4110

VL Base module with socket, 26 pin, VDE, ribbon cable 127.0560

VarioLine base module with electronics and 26-pin sub-D socket for connecting VarioLine patient's handsets with telephone and TV control.

Call button in a connected patient's handset is monitored.

Can only be used with VL adapter, stock code number 125.0811.

Component of this set:

- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S

Characteristics

- Line monitoring/Plug removed call:
  - Line monitoring on OUT1 to room electronics can be activated/deactivated.
  - Plug removed call if a call device connected to the Sub-D socket is removed.
  - Line monitoring up to the call contact in a call device that is connected to the Sub-D socket can be activated/deactivated.
- Button/LED:
  - Prepared for 2 buttons and 2 LEDs.
  - Locating light on button 1 can be activated or deactivated.
  - Reassurance light (LED, yellow) on button 1 and 2.
  - The function of the buttons can be changed with jumpers.
    1st button: call button for all call types, cancel call
    2nd button (0 V or 24 V): call button or cancel call
  - Different functions can be combined, e.g. call and cancel call. Button 2 can also be configured as light control.
  - Different button caps can be mounted by means of a button actuator pin.
  - On patient's handsets with a service call button, a button with output voltage 24 V may only also be configured as a service call.
- 26-pin Sub-D socket
- Connection of a patient's handset with analogue telephone and TV control possible.
- Other options:
  - If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
  - Connection option for bedwise speech.
  - Audio input for one radio programme.
  - Mounted in flush mounting box E2 with VL Adapter frame S2, stock code number 127.4110.
  - Prepared for cover plates of leading switch manufacturers.

Technical data

- Connection: with ribbon cable, 16 pin and 10 pin
- Output OUT1/button 1:
  - Output voltage 10 V, 15 V or 24 V (adjustable with jumper)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with jumper)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output OUT2/button 2:
  - Output voltage 0 V or 24 V (adjustable with jumper)
  - Monitoring resistance 56 kΩ (on/off with jumper)
  - Output current max. 25 mA at 24 V output voltage
- Inputs:
  - LED1 and LED2, yellow, activated with 0 V, power consumption max. 15 mA
  - Input for external audio, analogue telephone, power supply for control unit of the patient's handset, 2-wire control line for external TV connection
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 71 x 71 x 17 mm
- Weight: 34 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button caps
- VL Ribbon cable 16 pin for connection to 15 pin adapter 125.6200
  and VL Ribbon cable 10 pin for connection to 26 pin adapter 125.6220
- VL Adapter 125.0811
- VL Metal carrier for 15 and 26 pin adapter 125.6300
- VL Adapter frame S2 127.4110

VL Base module with socket, 15 pins, mini-DIN, VDE, ribbon cable 127.0570

VarioLine base module with electronics. With 15-pin Sub-D socket for connecting these call devices:

- VarioLine patient's handsets 127.xxxx
- VL Radio receiver 125.4851
- Splitter unit for diagnosic call / patient call, 1 input 125.5520
- Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

With mini-DIN socket for connecting these call devices:

- Splitter unit for diagnostic call/patient call, 1 input, mini-DIN plug 125.5560
- Adapter for medical device, with mini-DIN plug, electrically isolated 125.6100
- External components, e.g. tread mat, suction-blow sensor, moisture sensor

Call devices connected to the Sub-D or mini-DIN socket can be monitored.

Can only be used with VL adapter, stock code number 125.0801 or 125.0811.

Component of these sets:

- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S

Characteristics

- Line monitoring/Plug removed call:
  - Line monitoring on OUT1 to room electronics can be activated/deactivated.
  - Plug removed call if a call device connected to the Sub-D or mini-DIN socket is removed.
  - Line monitoring up to the call contact in a call device that is connected to the Sub-D or mini-DIN socket can be activated/deactivated.
- Button/LED:
  - Prepared for 1 button and 1 LED in the button.
  - Locating light in the button.
  - Reassurance light (LED, yellow) on the button.
  - Button (10 V or 24 V, can be changed with DIP switches): call button for all call types, cancel call
  - Different button caps can be mounted by means of a button actuator pin.
  - On patient's handsets with a service call button, a button with output voltage 24 V may only also be configured as a service call.
- Connection (setting with DIP switches):
  - Either: DIN VDE-compliant connection of further base modules possible.
  - Or: If patient's handsets with function keys are used, roller blinds, window, bed etc. can be controlled (max. 2 function keys).

Characteristics (cont.)

- Mini-DIN socket with plug guide. This means the plug can only be inserted in the correct orientation and without suffering damage.
- 15-pin Sub-D socket
- Other options:
  - If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
  - Connection option for bedwise speech.
  - Audio input for one radio programme.
  - Connection of external call line possible via VL Adapter, with line monitoring
  - Mounted in flush mounting box E2 with VL Adapter frame S2, stock code number 127.4110.

Technical data

- Connection: with ribbon cable, 16 pin
- Output OUT1/button:
  - Output voltage 10 V or 24 V (adjustable with DIP switch)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with DIP switch)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output function keys 1 and 2: Ampacity dependent on the patient's handsets used
- Inputs:
  - LED1, yellow, activated with 0 V, current consumption max. 15 mA
  - Input for external call line
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 71 x 71 x 21 mm
- Weight: 34 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button cap
- VL Ribbon cable 16 pin for connection to 15 pin adapter 125.6200
- VL Adapter 125.0801 or 125.0811
- VL Metal carrier for 15 and 26 pin adapter 125.6300
- VL Adapter frame S2 127.4110
- Cable for connecting external call devices to mini-DIN socket (must be manufactured by customer)

VL Base module pull switch 127.0600

VarioLine base module with electronics.
Component of this set:
- SET - Pull cord panel, pull cord 3 m 127.8601S

Characteristics
- Call triggered by pulling the pull cord
- Line monitoring can be activated or deactivated.
- Reassurance light.
- Mounted in round mounting box R1.

Technical data
- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 14 mm (mounting height)
- Weight: 49 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 95 %
- IP code: IP 42
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 3 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Components
- Grey mounting frame with integrated PCB
- VL Cover plate for pull switch/pneumatic switch 127.3600

You will also need
1 VL Pull cord for pull cord panel, red, 300 cm 127.2401
4 Terminal clamp connector 141.5840

VL Base module with pneumatic switch 127.0610

VarioLine base module with electronics.
Component of this set:
- SET - Pneumatic panel 127.8610S

Characteristics
- Call triggered by pressing the pneumatic ball
- Line monitoring can be activated or deactivated.
- Reassurance light.
- Mounted in round mounting box R1.

Technical data
- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 22 mm (mounting height)
- Weight: 62 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 95 %
- IP code: IP 42
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 3 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Components
- Grey mounting frame with integrated PCB
- VL Cover plate for pull switch/pneumatic switch 127.3600

You will also need
1 Pneumatic ball and tube assembly 092.006
4 Terminal clamp connector 141.5840

VL Base module with socket for a medical supply unit, 15 pin, VDE 127.0750

VarioLine base module with electronics and 15-pin Sub-D socket for connecting VarioLine patient's handsets 127.xxxx with splitter modules and adapters for medical device.
Call button in a connected patient's handset is monitored.
Can only be used with VL adapter, stock code number 125.0801 or 125.0811. For use in a medical supply unit.

Characteristics

- Prepared for 2 buttons
- 15-pin Sub-D socket for VarioLine patient's handsets.
- Line monitoring on OUT1 can be activated/deactivated.
- Plug removed call if the patient's handset is removed. Call button in a connected patient's handset is monitored.
- Possible function (can be changed with jumpers):
  - 1st button: call button for all call types, cancel call
  - 2nd button: call button or cancel call or light button
- Different functions can be combined, e.g. call and cancel call. Button 2 can also be configured as light control.
- Different button caps can be mounted by means of a button actuator pin.
- Reassurance light (LED, yellow) on button 1 and 2. LED on button 1 serves as locating light. Locating light can be activated and deactivated.
- Connection option for bedwise speech.
- Audio input for one radio programme.
- If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
- If patient's handsets with function keys are used, roller blinds, window, bed etc. can be controlled (max. 2 function keys)
- Snap-on fixture in medical supply unit.
- For connection of these patient's handsets:
  - VL Radio receiver 125.4851
  - Splitter unit for diagnosic call / patient call, 1 input 125.5520
  - VL Patient´s handset, 1 call button, antimicrobial 127.5600
  - VL Patient´s handset, 1 call button, 1 light button, antimicrobial 127.5610
  - VL Patient´s handset, 1 call button, 2 light buttons, antimicrobial 127.5620
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, antimicrobial 127.5630
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 127.5640

Characteristics (cont.)

- For connection of these patient's handsets (cont.):
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial 127.5720
  - VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730
  - VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial 127.5740
  - Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

Technical data

- Connection: with ribbon cable, 16 pin
- Output OUT1/button 1:
  - Output voltage 10 V, 15 V or 24 V (adjustable with jumper)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with jumper)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output OUT2/button 2:
  - Output voltage 0 V or 24 V (adjustable with jumper)
  - Monitoring resistance 56 kΩ (on/off with jumper)
  - Output current max. 25 mA at 24 V output voltage
- Output function keys 1 and 2: Ampacity dependent on the patient's handsets used
- Inputs: LED1 and LED2, yellow, activated with 0 V, power consumption max. 15 mA
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 88 x 78 x 30 mm
- Weight: 51 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button caps
- VL Ribbon cable 16 pin for connection to 15 pin adapter 125.6200
- VL Adapter 125.0801 or 125.0811

VL Base module with socket for a medical supply unit, 26 pin, VDE 127.0760

VarioLine base module with electronics and 26-pin sub-D socket for connecting VarioLine patient's handsets with telephone and TV control.

Call button in a connected patient's handset is monitored.

Can only be used with VL adapter, stock code number 125.0811. For use in a medical supply unit.

Component of this set:

- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 127.7960S

Characteristics

- Prepared for 2 buttons and 2 LEDs.
- 26-pin Sub-D socket for VarioLine patient's handsets.
- Locating light on button 1 can be activated or deactivated.
- Line monitoring on OUT1 can be activated/ deactivated.
- Plug removed call if the patient's handset is removed. Call button in a connected patient's handset is monitored.
- Possible function (can be changed with jumpers):
  - 1st button: call button for all call types, cancel call
  - 2nd button: call button or cancel call or light button
- Different functions can be combined, e.g. call and cancel call. Button 2 can also be configured as light control.
- Different button caps can be mounted by means of a button actuator pin.
- Reassurance light (LED, yellow) on button 1 and 2.
- Connection option for bedwise speech.
- Audio input for one radio programme.
- If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
- Connection of a patient's handset with analogue telephone and TV control possible.
- Snap-on fixture in medical supply unit.

Technical data

- Connection: with ribbon cable, 16 pin and 10 pin
- Output OUT1/button 1:
  - Output voltage 10 V, 15 V or 24 V (adjustable with jumper)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with jumper)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output OUT2/button 2:
  - Output voltage 0 V or 24 V (adjustable with jumper)
  - Monitoring resistance 56 kΩ (on/off with jumper)
  - Output current max. 25 mA at 24 V output voltage
- Inputs:
  - LED1 and LED2, yellow, activated with 0 V, power consumption max. 15 mA
  - Input for external audio, analogue telephone, power supply for control unit of the patient's handset, 2-wire control line for external TV connection
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 80 x 78 x 30 mm
- Weight: 52 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button caps
- VL Ribbon cable 16 pin for connection to 15 pin adapter 125.6200
  and VL Ribbon cable 10 pin for connection to 26 pin adapter 125.6220
- VL Adapter 125.0811

VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE 127.0770

VarioLine base module with electronics and 15-pin Sub-D socket for connecting these call devices:

- VarioLine patient's handsets 127.xxxx
- Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

With mini-DIN socket for connecting these call devices:

- Splitter unit for diagnostic call/patient call, 1 input, mini-DIN plug 125.5560
- Adapter for medical device, with mini-DIN plug, electrically isolated 125.6100
- External components, e.g. tread mat, suction-blow sensor, moisture sensor

Call devices connected to the Sub-D or mini-DIN socket can be monitored.

Can only be used with VL adapter, stock code number 125.0801 or 125.0811. For use in a medical supply unit.

Component of these sets:

- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 127.7960S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU 127.7970S

Characteristics

- Line monitoring/Plug removed call:
  - Line monitoring on OUT1 to room electronics can be activated/deactivated.
  - Plug removed call if a call device connected to the Sub-D or mini-DIN socket is removed.
  - Line monitoring up to the call contact in a call device that is connected to the Sub-D or mini-DIN socket can be activated/deactivated.
- Button/LED:
  - Prepared for 1 button and 1 LED in the button.
  - Locating light in the button.
  - Reassurance light (LED, yellow) on the button.
  - Button (10 V or 24 V, can be changed with DIP switches): call button for all call types, cancel call. Button can also be configured as light control.
  - Different button caps can be mounted by means of a button actuator pin.
  - On patient's handsets with a service call button, a button with output voltage 24 V may only also be configured as a service call.
- Connection (setting with DIP switches):
  - Either: DIN VDE-compliant connection of further base modules possible.
- Or: If patient's handsets with function keys are used, roller blinds, window, bed etc. can be controlled (max. 2 function keys).

Characteristics (cont.)

- Mini-DIN socket with plug guide. This means the plug can only be inserted in the correct orientation and without suffering damage.
- 15-pin Sub-D socket
- Other options:
  - If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
  - Connection option for bedwise speech.
  - Audio input for one radio programme.
  - Connection of external call line possible via VL Adapter, with line monitoring
  - Snap-on fixture in medical supply unit.

Technical data

- Connection: with ribbon cable, 16 pin
- Output OUT1/button:
  - Output voltage 10 V or 24 V (adjustable with DIP switch)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with DIP switch)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output function keys 1 and 2: Ampacity dependent on the patient's handsets used
- Inputs: LED1, yellow, activated with 0 V, current consumption max. 15 mA
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 80 x 78 x 30 mm
- Weight: 52 g

Components

- Grey mounting frame with integrated PCB

You will also need

- Cover plate with snap-on fixture
- VL Button actuator pin 125.0110
- Button cap
- VL Ribbon cable 16 pin for connection to 15 pin adapter 125.6200
- VL Adapter 125.0801 or 125.0811
- Cable for connecting external call devices to mini-DIN socket (must be manufactured by customer)

VL Base module with socket for a medical supply unit, 15 pin, VDE, clamps 127.0780

VarioLine base module with electronics and 15-pin Sub-D socket for connecting VarioLine patient's handsets 127.xxxx with splitter modules and adapters for medical device.

Call button in a connected patient's handset is monitored.

Can only be used with VL adapter, stock code number 125.0801 or 125.0811. For use in a medical supply unit.

Component of these sets:

- SET - Call panel, socket 15 pins, VDE, clamps, MSU 127.7980S
- SET - Call reset panel, socket 15 pins, VDE, clamps, MSU 127.7985S

Characteristics

- Prepared for 2 buttons
- 15-pin Sub-D socket for VarioLine patient's handsets.
- Line monitoring on OUT1 can be activated/ deactivated.
- Plug removed call if the patient's handset is removed. Call button in a connected patient's handset is monitored.
- Possible function (can be changed with jumpers):
  - 1st button: call button for all call types, cancel call
  - 2nd button (24 V): cancel call
- Different functions can be combined, e.g. call and cancel call. Button 2 can also be configured as light control.
- Different button caps can be mounted by means of a button actuator pin.
- Reassurance light (LED, yellow) on button 1 and 2. LED on button 1 serves as locating light. Locating light can be activated and deactivated.
- Connection option for bedwise speech.
- Audio input for one radio programme.
- If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
- If patient's handsets with function keys are used, roller blinds, window, bed etc. can be controlled (max. 2 function keys)
- Snap-on fixture in medical supply unit.
- For connection of these patient's handsets:
  - VL Radio receiver 125.4851

Characteristics (cont.)

- For connection of these patient's handsets (cont.):
  - Splitter unit for diagnosic call / patient call, 1 input 125.5520
  - VL Patient´s handset, 1 call button, antimicrobial 127.5600
  - VL Patient´s handset, 1 call button, 1 light button, antimicrobial 127.5610
  - VL Patient´s handset, 1 call button, 2 light buttons, antimicrobial 127.5620
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, antimicrobial 127.5630
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 127.5640
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710
  - VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial 127.5720
  - VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730
  - VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial 127.5740
  - Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

VL Base module with socket for a medical supply unit, 15 pin, VDE, clamps 127.0780

Technical data

- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Output OUT1/button 1:
  - Output voltage 10 V, 15 V or 24 V (adjustable with jumper)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with jumper)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output OUT2/button 2:
  - Output voltage 0 V or 24 V (adjustable with jumper)
  - Monitoring resistance 56 kΩ (on/off with jumper)
  - Output current max. 25 mA at 24 V output voltage
- Output function keys 1 and 2: Ampacity dependent on the patient's handsets used
- Inputs: LED1 and LED2, yellow, activated with 0 V, power consumption max. 15 mA
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 80 x 78 x 30 mm
- Weight: 50 g

Components

- Grey mounting frame with integrated PCB

You will also need

1	Cover plate with snap-on fixture	
1	VL Button actuator pin	125.0110
1	Button cap	
1	Terminal clamp connector	141.5840
1	VL Adapter	125.0801 or 125.0811

VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE, clamps 127.0790

VarioLine base module with electronics and 15-pin Sub-D socket for connecting these call devices:

- VarioLine patient's handsets 127.xxxx
- Splitter unit for diagnostic call / patient call, 6 inputs 125.5530
- Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

With mini-DIN socket for connecting these call devices:

- Splitter unit for diagnostic call/patient call, 1 input, mini-DIN plug 125.5560
- Adapter for medical device, with mini-DIN plug, electrically isolated 125.6100
- External components, e.g. tread mat, suction-blow sensor, moisture sensor

Call devices connected to the Sub-D or mini-DIN socket can be monitored.

Can only be used with VL adapter, stock code number 125.0801 or 125.0811. For use in a medical supply unit.

Component of this set:

- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, clamps, MSU 127.7990S

Characteristics

- Line monitoring/Plug removed call:
  - Line monitoring on OUT1 to room electronics can be activated/deactivated.
  - Plug removed call if a call device connected to the Sub-D or mini-DIN socket is removed.
  - Line monitoring up to the call contact in a call device that is connected to the Sub-D or mini-DIN socket can be activated/deactivated.
- Button/LED:
  - Prepared for 1 button and 1 LED in the button.
  - Locating light in the button.
  - Reassurance light (LED, yellow) on the button.
  - Button (10 V or 24 V, can be changed with DIP switches): call button for all call types, cancel call. Button can also be configured as light control.
  - Different button caps can be mounted by means of a button actuator pin.
  - On patient's handsets with a service call button, a button with output voltage 24 V may only also be configured as a service call.
- Connection (setting with DIP switches):
  - Either: DIN VDE-compliant connection of further base modules possible.
- Or: If patient's handsets with function keys are used, roller blinds, window, bed etc. can be controlled (max. 2 function keys).

Characteristics (cont.)

- Mini-DIN socket with plug guide. This means the plug can only be inserted in the correct orientation and without suffering damage.
- 15-pin Sub-D socket
- Other options:
  - If patient's handsets with light buttons are used, the bed and room light can be switched on/off.
  - Connection option for bedwise speech.
  - Audio input for one radio programme.
  - Connection of external call line possible via VL Adapter, with line monitoring
  - Snap-on fixture in medical supply unit.

Technical data

- Connection: suitable for plug-in terminals (spacing 5.8 mm)
- Output OUT1/button:
  - Output voltage 10 V or 24 V (adjustable with DIP switch)
  - Monitoring resistance 150 kΩ on 24 V (adjustable with DIP switch)
  - Output current max. 2.5 mA at 10 V, 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Output function keys 1 and 2: Ampacity dependent on the patient's handsets used
- Inputs: LED1, yellow, activated with 0 V, current consumption max. 15 mA
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Material: plastic (PA-GF)
- Dimensions (WxHxD): 80 x 78 x 30 mm
- Weight: 54 g

Components

- Grey mounting frame with integrated PCB

You will also need

1 Cover plate with snap-on fixture
1 VL Button actuator pin125.0110
1 Button cap
7 Terminal clamp connector 141.5840
1 VL Adapter 125.0801 or 125.0811
1 Cable for connecting external call devices to mini-DIN socket (must be manufactured by customer)

VL Button cap nurse, red, pack of 5 — 127.2000

Button cap for patient call, red.
Component of these sets:
- SET - Call reset panel with socket VDE 127.7300S
- SET - Call panel with socket VDE 127.7400S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S
- SET - Call panel 127.8120S
- SET - Call, presence reset panel 127.8220S
- SET - Call, presence reset panel, buzzer 127.8230S

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap doctor, red, pack of 5 — 127.2010

Button cap for doctor emergency call, red.

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap staff, red, pack of 5 — 127.2020

Button cap for staff call, red.

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap service, grey, pack of 5 — 127.2030

Button cap for service call, grey.

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap presence 1, green, pack of 5 — 127.2040

Button cap for presence 1, green.
Component of these sets:
- SET - Presence, reset panel, 1 presence button 127.8100S
- SET - Presence, reset panel, 1 presence button, buzzer 127.8110S
- SET - Call, presence reset panel 127.8220S
- SET - Call, presence reset panel, buzzer 127.8230S

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap presence 2, yellow, pack of 5 — 127.2050

Button cap for presence 2, yellow.

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap reset, green, pack of 5 — 127.2060

Button cap for reset, green.
Component of these sets:
- SET - Call reset panel with socket VDE 127.7300S
- SET - Reset panel 127.8130S

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap doctor, blue, pack of 5 — 127.2080

Button cap for doctor emergency call, blue.

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Blind cap, white, pack of 5 — 127.2090

Blind cap, white.

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap cancel, yellow, pack of 5 — 127.2100

Button cap for cancel call, yellow.

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap room light, yellow, pack of 5 — 127.2110

Button cap for reading light, yellow with lamp symbol.

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap call, white, pack of 5 — 127.2120

Button cap for patient call, white with red nurse symbol.
For medical supply unit (MSU).
Component of these sets:
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 127.7960S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU 127.7970S
- SET - Call panel, socket 15 pins, VDE, clamps, MSU 127.7980S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, clamps, MSU 127.7990S

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Button cap doctor, white, pack of 5 — 127.2130

Button cap for doctor emergency call, white with red doctor symbol.
For medical supply unit (MSU).

Technical data
- Material: plastic (ABS), antimicrobial
- Dimensions (diameter x H): 20 x 2 mm
- Weight: 1 g

Packing unit
5 items

VL Pull cord for pull cord panel, red, 300 cm — 127.2401

Pull cord with 2 handles for pull cord panel.
Component of these sets:
- SET - Pull cord panel, pull cord 3 m 127.8601S
- SET - Pull cord panel IP 66, pull cord 3 m 127.8650S
- SET - Pull cord panel IP 66 with cancel cord, pull cord 3 m 127.8660S

Technical data
- Material of handles: plastic (ABS)
- Handles and cord antimicrobial
- Pull handles can be fixed at any height
- Protection against strangulation and pulling out:
  - Stretches fivefold when under load
  - Cord tears under load of max. 7 kg
- Length: 300 cm
- Weight: 37 g

VL Cover plate — 127.3000

Blind cover plate with snap-on fixture.
Component of this set:
- SET - Buzzer panel 127.8000S

Technical data
- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm
- Weight: 20 g

VL Cover plate, 1 button 127.3100

Cover plate with snap-on fixture for base modules panel with 1 button with reassurance light (LED).
Component of these sets:
- SET - Presence, reset panel, 1 presence button 127.8100S
- SET - Presence, reset panel, 1 presence button, buzzer 127.8110S
- SET - Call panel 127.8120S
- SET - Reset panel 127.8130S

Technical data
- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm
- Weight: 20 g

VL Cover plate, 2 buttons 127.3200

Cover plate with snap-on fixture for base modules panel with 2 buttons and reassurance lights (LEDs).
Component of these sets:
- SET - Call, presence reset panel 127.8220S
- SET - Call, presence reset panel, buzzer 127.8230S
- SET - Call and reset panel 127.8240S

Technical data
- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm
- Weight: 20 g

VL Cover plate socket, 2 buttons 127.3300

Cover plate with snap-on fixture for base modules socket with 2 buttons and reassurance lights (LEDs) and socket.
Component of this set:
- SET - Call reset panel with socket VDE 127.7300S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S
- SET - Call panel, socket 15 pin, socket mini-DIN, VDE 127.7410S
- SET - Call and reset panel with socket 127.8300S

Technical data
- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm
- Weight: 20 g

VL Cover plate socket, 1 button 127.3400

Cover plate with snap-on fixture for base modules socket with 1 button and reassurance light (LED) and socket.
Component of these sets:
- SET - Call panel with socket VDE 127.7400S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S
- SET - Call panel with socket 127.8400S

Technical data
- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm
- Weight: 20 g

VL Cover plate socket — 127.3500

Cover plate with snap-on fixture for base modules socket without buttons.
Component of these sets:
- SET - Socket panel VDE 127.7500S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S

Technical data
- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm
- Weight: 20 g

VL Cover plate for pull switch/pneumatic switch — 127.3600

Cover plate with snap-on fixture for pull cord of pull cord panel and tube of the pneumatic panel.
For base modules pull cord panel and call panel, pneumatic.
Component of these base modules:
- VL Base module pull switch 127.0600
- VL Base module with pneumatic switch 127.0610

Technical data
- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm
- Weight: 20 g

VL Cover plate for pull switch NHS emergency — 127.3601

Cover plate with snap-on fixture. Text EMERGENCY.
For NHS emergency pull switch.
Component of this set:
- NHS emergency pull switch 127.6041

Technical data
- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm
- Weight: 20 g

VL Cover plate for pull switch NHS cardiac — 127.3602

Cover plate with snap-on fixture. Text CARDIAC.
For NHS cardiac pull switch.
Component of this set:
- NHS cardiac pull switch 127.6045

Technical data
- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm
- Weight: 20 g

VL Cover plate for socket in medical supply unit 127.3700

Cover plate with snap-on fixture for base modules socket in medical supply unit (MSU).

Component of these sets:

- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 127.7960S

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 73 x 55 x 8 mm
- Weight: 9 g

VL Cover plate for socket and 1 button in medical supply unit 127.3710

Cover plate with snap-on fixture for base modules in medical supply unit (MSU) with 1 button and reassurance light (LED) and socket.

- Component of this set:
- SET - Call panel, socket 15 pins, VDE, clamps, MSU 127.7980S

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 73 x 55 x 8 mm
- Weight: 8 g

VL Cover plate for socket and 2 buttons in medical supply unit 127.3720

Cover plate with snap-on fixture for 2 buttons and reassurance lights (LEDs) and socket.

Component of these sets:

- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU 127.7960S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU 127.7970S
- SET - Call reset panel, socket 15 pins, VDE, clamps, MSU 127.7985S
- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, clamps, MSU 127.7990S

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 73 x 55 x 8 mm
- Weight: 7 g

VL Adapter frame S1 127.4100

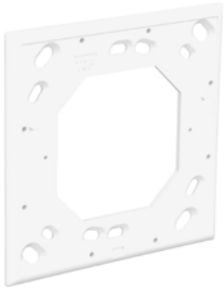
Adapter frame for installing a VarioLine module 127.xxxx with external dimensions 80 x 80 mm. You have the following options:

- Mounted on the surface in a VL Surface mounting frame S1 127.4200.
- Mounted in a flush mounting box E1.

The VL Adapter frame S1 has a groove to allow the cover plate to be levered up using a screwdriver.

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 88 x 88 x 4 mm
- Weight: 14 g



VL Adapter frame S2 — 127.4110

Adapter frame for installing 2 VarioLine modules 127.xxxx with external dimensions 80 x 80 mm.
You have the following options:

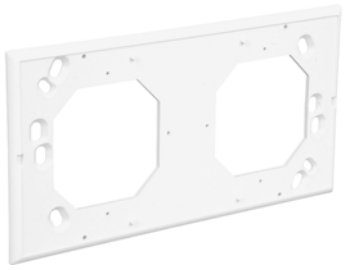
- Mounted on the surface in a VL Surface mounting frame S2 127.4210.
- Mounted in a flush mounting box E2.

The VL Adapter frame S2 has a groove to allow the cover plate to be levered up using a screwdriver.
Component of these sets:

- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S
- SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 168 x 88 x 4 mm
- Weight: 31 g



VL Surface mounting frame S1 — 127.4200

VL **Surface mounting frame** S1 for mounting a VarioLine module in a VL Adapter frame S1 on the surface.
The VL Adapter frame S1, stock code number 127.4100, allows a VarioLine module to be mounted on this mounting frame.
These overdoor lights and room electronics can be mounted directly on the VL Mounting frame S1 without a VL Adapter frame:

- Room electronics with RFID, call button, presence button, white 130.1305
- SET - LED Overdoor light without electronics, white 138.0205S
- SET - LED Overdoor light without electronics, white, with fire indicator 138.0305S

You can also mount the VL Adapter frame S1 in a commercial round mounting box or in a flush mounting box E1.

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 88 x 88 x 22 mm
- Weight: 39 g

You will also need

- VL Adapter frame S1 127.4100
  Only for VarioLine modules.

VL Surface mounting frame S2 — 127.4210

VL **Surface mounting frame** S2 for mounting two VarioLine modules in a VL Adapter frame S2 on the surface.
The VL Adapter frame S2, stock code number 127.4110, allows 2 VarioLine modules to be mounted on this mounting frame.
The VL Adapters 125.0801 and 125.0811 can be snapped into the VL Adapter frame.
These modules can be mounted directly on the mounting frame without an adapter frame:

- Room electronics with RFID, call button, presence button 130.1301
- Room electronics with RFID, call button, presence button, white 130.1305
- SET - LED Overdoor light without electronics 138.0201S
- SET - LED Overdoor light without electronics, white 138.0205S
- SET - LED Overdoor light without electronics, with fire indicator 138.0301S
- SET - LED Overdoor light without electronics, white, with fire indicator 138.0305S

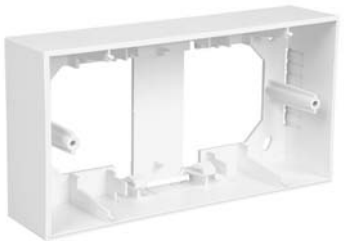
You can also mount the VL Adapter frame S2 in a standard round mounting box.
For horizontal and vertical mounting.

Technical data

- Colour (housing): traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 168 x 88 x 40 mm
- Weight: 89 g

You will also need

- VL Adapter frame S2 127.4110



VL Patient´s handset, 1 call button, antimicrobial — 127.5600

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light for patient call button: 15 mA, LED, red
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 143 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button (IP67), antimicrobial — 127.5600IP

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 143 g
- Nurse call function compliant with VDE 0834, Part 1
- Ambient conditions and EMC satisfied according to DIN VDE 0834, Part 2, Environment Class 1, meets the requirements of IP 67
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 67

VL Patient´s handset, 1 call button, cable 5 m, antimicrobial — 127.5600XL

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 5 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 143 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 1 light button, antimicrobial — 127.5610

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- One bed light button, yellow. With locating light, low amber luminous.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 145 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, antimicrobial 127.5620

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 147 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons (IP67), antimicrobial 127.5620IP

Patient's handset without speech.

Characteristics

- Antimicrobial patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 147 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 67

VL Patient´s handset, 1 call button, 2 light buttons, cable 5 m, antimicrobial — 127.5620XL

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 5 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 147 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, antimicrobial — 127.5630

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- One service call button, grey.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 150 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 127.5640

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- One service call button, grey.
- Two function buttons, grey, for controlling additional functions (roller blinds or bedhead up/down)
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Control of connected devices (e.g. roller blinds or bedhead).

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 1.4 mA when idle
- Output voltage: 10 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: output voltage 24 V, load 20 mA (with inductive load suppressed)
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 160 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial — 127.5700

Patient's handset without speech.

Characteristics

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- One service call button, grey.
- Five buttons for controlling radio/TV and controlling other connected devices (e.g. roller blinds or bedhead).
  Additional hardware for connecting and controlling a TV or other appliance is required. Further information on request.
- Antimicrobial membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- 1-digit 7-segment display.
- Headphone connection. Protected against touch, for standard stereo headphones (32 Ω).
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Change of configuration with Configuration adapter patient´s handset, stock code number 125.6060

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA when radio/TV active with headphones
- Output voltage: 10 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated; Select: circuit voltage class of the radio module 125.0801
- Reassurance light of the patient call button: 15 mA, LED, red
- Pulse duration for TV control: Output voltage: 24 V; One-button control: while key is being pressed; Button control: programme up: 100 ms, programme down: 200 ms, basic volume up: 300 ms, basic volume down: 400 ms
  The patient's handset only allows you to control selected televisions. You also need a special TV interface (hardware). For further information please contact your local sales partner.
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: 20 mA at 17 V output voltage
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 180 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

You will also need

- Dynamic headphones 093.332

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial — 127.5710

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, for room light and bed light. Bed light button with locating light, low amber luminous.
- Service call button, grey.
- Five buttons for controlling radio/TV and controlling other connected devices (e.g. roller blinds or bedhead).
  Additional hardware for connecting and controlling a TV or other appliance is required. Further information on request.
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- 1-digit 7-segment display.
- Headphone connection. Protected against touch, for standard stereo headphones (32 Ω).
- Speaker on the rear for handsfree and discreet speech and radio transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Change of configuration with Configuration adapter patient´s handset, stock code number 125.6060

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated; Select: circuit voltage class of the radio module 125.0801
- Reassurance light of the patient call button: 15 mA, LED, red
- Pulse duration for TV control: Output voltage: 24 V; One-button control: while key is being pressed; Button control: programme up: 100 ms, programme down: 200 ms, basic volume up: 300 ms, basic volume down: 400 ms
  The patient's handset only allows you to control selected televisions. You also need a special TV interface (hardware). For further information please contact your local sales partner.
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: 20 mA at 17 V output voltage
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 210 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

You will also need

- Dynamic headphones 093.332

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial — 127.5720

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, for room light and bed light. Bed light button with locating light, low amber luminous.
- Service call button, grey.
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- Speaker on the rear for handsfree and discreet speech transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 190 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial — 127.5730

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Five buttons for controlling radio/TV and controlling other connected devices (e.g. roller blinds or bedhead).
  Additional hardware for connecting and controlling a TV or other appliance is required. Further information on request.
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- 1-digit 7-segment display.
- Headphone connection. Protected against touch, for standard stereo headphones (32 Ω).
- Speaker on the rear for handsfree and discreet speech and radio transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Change of configuration with Configuration adapter patient´s handset, stock code number 125.6060

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when the patient call button is actuated; Select: circuit voltage class of the radio module 125.0801
- Reassurance light of the patient call button: 15 mA, LED, red
- Pulse duration for TV control: Output voltage: 24 V; One-button control: while key is being pressed; Button control: programme up: 100 ms, programme down: 200 ms, basic volume up: 300 ms, basic volume down: 400 ms
  The patient's handset only allows you to control selected televisions. You also need a special TV interface (hardware). For further information please contact your local sales partner.
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: 20 mA at 17 V output voltage
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 210 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  – Ambient temperature: 5 to 40 °C
  – Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

You will also need

- Dynamic headphones 093.332

VL Patient´s handset, 1 call button, 2 function buttons, with speech, antimicrobial 127.5735

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two function buttons, grey, for controlling additional functions (roller blinds or bedhead up/down)
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- Speaker on the rear for handsfree and discreet speech transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of function buttons: 20 mA at 17 V output voltage
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 203 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial 127.5740

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call buttons can be pressed.
- Speaker on the rear for handsfree and discreet speech transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 190 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, with speech, antimicrobial 127.5745

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- Speaker on the rear for handsfree and discreet speech transmission. Microphone on the underneath for handsfree and discreet speech.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 10 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 204 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with orientation dependent speech, antimicrobial — 127.5750

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Service call button, grey.
- Five buttons for controlling radio/TV and controlling other connected devices (e.g. roller blinds or bedhead).
  Additional hardware for connecting and controlling a TV or other appliance is required. Further information on request.
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- 1-digit 7-segment display.
- Headphone connection. Protected against touch, for standard stereo headphones (32 Ω).
- Speaker on the rear for handsfree and discreet speech and radio transmission. Microphone on the underneath for handsfree and discreet speech.
- Handsfree speech is activated when the patient's handset is in the retaining bracket or is hanging vertically downwards.
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Change of configuration with Configuration adapter patient´s handset, stock code number 125.6060

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated; Select: circuit voltage class of the radio module 125.0801
- Reassurance light of the patient call button: 15 mA, LED, red
- Pulse duration for TV control: Output voltage: 24 V; One-button control: while key is being pressed; Button control: programme up: 100 ms, programme down: 200 ms, basic volume up: 300 ms, basic volume down: 400 ms
  The patient's handset only allows you to control selected televisions. You also need a special TV interface (hardware). For further information please contact your local sales partner.
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: 20 mA at 17 V output voltage
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 210 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

You will also need

- Dynamic headphones 093.332

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with orientation dependent speech, antimicrobial — 127.5760

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Service call button, grey.
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- Speaker on the rear for handsfree and discreet speech transmission. Microphone on the underneath for handsfree and discreet speech.
- Handsfree speech is activated when the patient's handset is in the retaining bracket or is hanging vertically downwards.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 190 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, with orientation dependent speech, antimicrobial — 127.5765

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Service call button, grey.
- Two function buttons, grey, for controlling additional functions (roller blinds or bedhead up/down)
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. The call buttons can be actuated over their entire surface.
- Speaker on the rear for handsfree and discreet speech transmission. Microphone on the underneath for handsfree and discreet speech.
- Handsfree speech is activated when the patient's handset is in the retaining bracket or is hanging vertically downwards.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 10 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: 20 mA at 17 V output voltage
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 207 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with orientation dependent speech, antimicrobial — 127.5770

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Five buttons for controlling radio/TV and controlling other connected devices (e.g. roller blinds or bedhead).
  Additional hardware for connecting and controlling a TV or other appliance is required. Further information on request.
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- 1-digit 7-segment display.
- Headphone connection. Protected against touch, for standard stereo headphones (32 Ω).
- Speaker on the rear for handsfree and discreet speech and radio transmission. Microphone on the underneath for handsfree and discreet speech.
- Handsfree speech is activated when the patient's handset is in the retaining bracket or is hanging vertically downwards.
- VarioLine 15-pin plug, can be withdrawn in any direction.
- Change of configuration with Configuration adapter patient´s handset, stock code number 125.6060

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when the patient call button is actuated; Select: circuit voltage class of the radio module 125.0801
- Reassurance light of the patient call button: 15 mA, LED, red
- Pulse duration for TV control: Output voltage: 24 V; One-button control: while key is being pressed; Button control: programme up: 100 ms, programme down: 200 ms, basic volume up: 300 ms, basic volume down: 400 ms
  The patient's handset only allows you to control selected televisions. You also need a special TV interface (hardware). For further information please contact your local sales partner.
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. loading of function buttons: 20 mA at 17 V output voltage
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 210 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  – Ambient temperature: 5 to 40 °C
  – Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

You will also need

- Dynamic headphones 093.332

VL Patient´s handset, 1 call button, 2 light buttons, with orientation dependent speech, antimicrobial — 127.5780

Patient's handset with speech.

Characteristics

- Patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Two light buttons, yellow, e.g. for room light and bed light. Bed light button with locating light, low amber luminous.
- Membrane keypad: The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- Speaker on the rear for handsfree and discreet speech transmission. Microphone on the underneath for handsfree and discreet speech.
- Handsfree speech is activated when the patient's handset is in the retaining bracket or is hanging vertically downwards.
- VarioLine 15-pin plug, can be withdrawn in any direction.

Technical data

- 3 m-long flexible cable with 15-pin VarioLine plug, suitable for 15-pin VarioLine sockets 127.xxxx
- Power consumption: max. 15 mA when idle, max. 80 mA with voice communication
- Output voltage: 6.8 V ± 5 % when the patient call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Max. loading of light buttons: 24 V/25 mA, led out voltage free with common pole, for triggering a latching relay compliant with DIN EN 60669-2-1/2 with safety extra low voltage 24 V
- Max. magnetic radiation of the loudspeaker: 0.7 mT
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keypad, cable and plug antimicrobial
- Dimensions (WxHxD): 62 x 134 x 20 mm
- Weight: 190 g
- Nurse call function compliant with VDE 0834, Part 1
- Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Ambient temperature: 5 to 40 °C
  - Relative humidity: max. 85 %, non-precipitating
- IP code: IP 54
- Protection area: A ("!A!" next to the stock code number on the rear of the patient's handset)

VL Retaining bracket with magnet and mounting accessory, antimicrobial — 127.5802

Mounting bracket for attaching a VL patient's handset from stock code number 127.5600 to the wall or a bedside table.

Technical data

- Colour (retaining bracket): traffic white (RAL 9016)
- Material (retaining bracket): plastic (ABS), antimicrobial
- Weight: 90 g

Components

1 Retaining bracket with magnet
2 Brackets
2 Countersunk screws M4x10
2 Acorn nuts M4

Cable extension, 3 m, for VL patient´s handsets — 127.5860

Extension cable for VL patient's handsets of the 127.56xx and 127.57xx series.

Technical data

- Colour (plug): traffic white (RAL 9016)
- Material (plug): plastic (ABS)
- Cable and plug antimicrobial
- 3 m-long flexible cable with 15-pin VarioLine plug and socket, suitable for 15-pin VL Sockets

Components

1 Cable with 15-pin VarioLine plug and socket
2 Hooks facing outwards for Sub-D plug, 15 pins, for 127.xxxx sockets (pre-assembled)
2 Hooks facing inwards for Sub-D plug, 15 pins, for 125.xxxx sockets

SET - Plug shell — 127.6000S

Plug shells of a VarioLine plug.
With hooks:

- on outside for VL Sockets with stock code numbers 127.xxxx
- on inside for VL Sockets with stock code numbers 125.xxxx.

Technical data

- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 48 x 41 x 16 mm (without hooks)
- Weight (one plug): 9 g

Set components

5 VL Plug shell 1
5 VL Plug shell 2
10 Hooks facing inwards for Sub-D plug, 15 pins, for 125.xxxx sockets
10 Hooks facing outwards for Sub-D plug, 15 pins, for 127.xxxx sockets

VL Plastic housing for base module — 127.6030

Plastic housing for VarioLine base modules.
For fixing a cover plate.
Component of this set:

- SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S

Technical data

- Material: plastic (PA-GF)
- Dimensions (WxHxD): 71 x 71 x 17 mm
- Weight: 10 g

NHS emergency pull switch 127.6041

Pull switch for emergency call.

Characteristics

- Red pull switch for emergency call. With locating light and reassurance light (LED, red).
  Depending on the configuration, a call can be triggered when the pull switch is pulled out or when it is pressed.
  Pull switch engages. The call remains initiated until the pull switch is pushed in or pulled out again.
  Locating light can be activated or deactivated.
- The text EMERGENCY is engraved on the cover plate.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 31 mm (mounting height)
- Weight: 65 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Pull switch output:
  - Output voltage 15 V or 24 V (adjustable with jumper, 24 V preset)
  - Monitoring resistance 150 kΩ or 56 kΩ (adjustable with jumper)
  - Output current max. 2.5 mA at 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Input:
  - LED, red, activated with 0 V, current consumption max. 15 mA
- Licensed in accordance with DIN VDE 0834.

Set components

1	Grey mounting frame with integrated PCB	
1	VL Cover plate for pull switch NHS emergency	127.3601
4	Terminal clamp connector	141.5840

NHS cardiac pull switch 127.6045

Pull switch for cardiac call.

Characteristics

- Blue pull switch for cardiac call. With locating light and reassurance light (LED, yellow).
  Depending on the configuration, a call can be triggered when the pull switch is pulled out or when it is pressed.
  Pull switch engages. The call remains initiated until the pull switch is pushed in or pulled out again.
  Locating light can be activated or deactivated.
- The text CARDIAC is engraved on the cover plate.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 31 mm (mounting height)
- Weight: 65 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Pull switch output:
  - Output voltage 15 V or 24 V (adjustable with jumper, 24 V preset)
  - Monitoring resistance 150 kΩ or 56 kΩ (adjustable with jumper)
  - Output current max. 2.5 mA at 15 V output voltage
  - Output current max. 25 mA at 24 V output voltage
- Input:
  - LED, red, activated with 0 V, current consumption max. 15 mA
- Licensed in accordance with DIN VDE 0834.

Set components

1	Grey mounting frame with integrated PCB	
1	VL Cover plate for pull switch NHS cardiac	127.3602
4	Terminal clamp connector	141.5840

VL Patient handset, 1 call button, only for adapter for medical device, electrically isolated — 127.6120IP

Patient's handset without speech for connection to the adapter for medical device, galvanically isolated. The adapter galvanically isolates the patient's handset (patient's environment according to DIN EN 60601-1) from Medicall 800. The adapter prevents dangerous voltages from being discharged through the patient, putting him at risk.

Features:

- One patient call button, red. With locating light and reassurance light. With DIN VDE call panel monitoring.
- Antimicrobial membrane keypad. The patient call button has a tangible, raised edge, enabling very simple keying. Furthermore, the entire surface of the patient call button can be pressed.
- RJ10 plug for connection to adapter for medical device.

Suitable for:

- Adapter for medical device, with mini-DIN plug, electrically isolated 125.6100
- Adapter for medical device, with Sub-D plug, electrically isolated 125.6110

Technical data

- 3 m-long flexible cable with RJ10 plug for connection to an adapter for medical device
- Operating voltage: 5 V
- Power consumption:
  - Quiescent current max. 0.5 mA, on actuation of the call button approx. 0.7 mA
  - Locating light: 1 mA, reassurance light 15 mA
- Output voltage: 10 V ± 5 % when patient call button is actuated, approx. 24 V when service call button is actuated
- Reassurance light of the patient call button: 15 mA, LED, red
- Defibrillation protected, type CF
- Protection class: 3 (safety extra low voltage)
- Safe distance at different frequencies
  - 150 kHz to 80 MHz (CB radio): 0.01 W 0.12 m, 0.1 W 0.37 m, 1 W 1.17 m, 10 W 3.69 m, 100 W 11.67 m
  - 80 to 800 MHz (PMR radio): 0.01 W 0.04 m, 0.1 W 0.11 m, 1 W 0.35 m, 10 W 1.11 m, 100 W 3.50 m
  - 800 MHz to 2.5 GHz (mobile): 0.01 W 0.07 m, 0.1 W 0.22 m, 1 W 0.70 m, 10 W 2.21 m, 100 W 7.00 m
- Colour (housing): traffic white (RAL 9016)
- Material (housing): plastic (ABS)
- Housing, membrane keyboard and cable antimicrobial
- Ambient temperature: 5 to 40 °C
- Storage temperature: 0 to 50 °C
- Relative humidity: max. 85 %, non-precipitating
- Transport conditions: fragile goods, protect against damp, electrostatically sensitive construction element
- Size (HxWxD): 134x62x20 mm
- Weight: 143 g
- Standards
  - DIN EN 60601-1
  - Nurse call function compliant with VDE 0834, Part 1
  - Environmental conditions and EMC compliant with VDE 0834, part 2, environmental class 1
  - Protection area: A and B
- IP code: IP 67

Front cover unit for 127.56xx, 127.57xx — 127.6840

Suitable for patient's handsets of series 127.56xx, 127.57xx:

Technical data

- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial

Components

- Front cover unit

Packing unit

10 items

Cable assembly, 3 m, with Sub-D plug for 127.5600 — 127.6850

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, antimicrobial 127.5600

Technical data
- Colour: traffic white (RAL 9016)
- Cable and plug antimicrobial

Components
1 Cable, 3 m, with Sub-D plug
2 Hooks facing outwards for Sub-D plug, 15 pins, for 127.xxxx sockets (pre-assembled)
2 Hooks facing inwards for Sub-D plug, 15 pins, for 125.xxxx sockets

Packing unit
10 items

Cable assembly, 3 m, with Sub-D plug for 127.5610, 127.5620, 127.5630 — 127.6860

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, 1 light button, antimicrobial 127.5610
- VL Patient´s handset, 1 call button, 2 light buttons, antimicrobial 127.5620
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, antimicrobial 127.5630

Technical data
- Colour: traffic white (RAL 9016)
- Cable and plug antimicrobial

Components
1 Cable, 3 m, with Sub-D plug
2 Hooks facing outwards for Sub-D plug, 15 pins, for 127.xxxx sockets (pre-assembled)
2 Hooks facing inwards for Sub-D plug, 15 pins, for 125.xxxx sockets

Packing unit
10 items

Cable assembly, 3 m, with Sub-D plug for 127.5640, 127.5700, 127.5710, 127.5720, 127.5730, 127.5740 — 127.6870

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 127.5640
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial 127.5720
- VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730
- VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial 127.5740

Technical data
- Colour: traffic white (RAL 9016)
- Cable and plug antimicrobial

Components
1 Cable, 3 m, with Sub-D plug
2 Hooks facing outwards for Sub-D plug, 15 pins, for 127.xxxx sockets (pre-assembled)
2 Hooks facing inwards for Sub-D plug, 15 pins, for 125.xxxx sockets

Packing unit
10 items

Cable assembly, 10 m, with Sub-D plug for 127.5600 — 127.6880

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, antimicrobial 127.5600

Technical data
- Colour: traffic white (RAL 9016)
- Cable and plug antimicrobial

Components
1 Cable, 10 m, with Sub-D plug
2 Hooks facing outwards for Sub-D plug, 15 pins, for 127.xxxx sockets (pre-assembled)
2 Hooks facing inwards for Sub-D plug, 15 pins, for 125.xxxx sockets

Packing unit
10 items

Cable assembly, 10 m, with Sub-D plug for 127.5640, 127.5700, 127.5710, 127.5720, 127.5730, 127.5740 — 127.6900

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 127.5640
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial 127.5720
- VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730
- VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial 127.5740

Technical data
- Colour: traffic white (RAL 9016)
- Cable and plug antimicrobial

Components
1 Cable, 10 m, with Sub-D plug
2 Hooks facing outwards for Sub-D plug, 15 pins, for 127.xxxx sockets (pre-assembled)
2 Hooks facing inwards for Sub-D plug, 15 pins, for 125.xxxx sockets

Packing unit
10 items

Membrane for 127.5600 — 127.6910

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, antimicrobial 127.5600

Technical data
- Colour: traffic white (RAL 9016)
- Membrane antimicrobial

Packing unit
10 items

Membrane for 127.5610 — 127.6920

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, 1 light button, antimicrobial 127.5610

Technical data
- Colour: traffic white (RAL 9016)
- Membrane antimicrobial

Packing unit
10 items

Membrane for 127.5620, 127.5740 — 127.6930

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, 2 light buttons, antimicrobial 127.5620
- VL Patient´s handset, 1 call button, 2 light buttons, with speech, antimicrobial 127.5740

Technical data
- Colour: traffic white (RAL 9016)
- Membrane antimicrobial

Packing unit
10 items

Membrane for 127.5630, 127.5720 — 127.6940

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, antimicrobial 127.5630
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, with speech, antimicrobial 127.5720

Technical data
- Colour: traffic white (RAL 9016)
- Membrane antimicrobial

Packing unit
10 items

Membrane for 127.5640 — 127.6950

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, 2 function buttons, antimicrobial 127.5640

Technical data
- Colour: traffic white (RAL 9016)
- Membrane antimicrobial

Packing unit
10 items

Membrane for 127.5700, 127.5710 — 127.6960

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone antimicrobial 127.5700
- VL Patient´s handset, 1 call button, 2 light buttons, 1 service call button, radio/TV control, connector for headphone, with speech, antimicrobial 127.5710

Technical data
- Colour: traffic white (RAL 9016)
- Membrane antimicrobial

Packing unit
10 items

Membrane for 127.5730 — 127.6970

Suitable for patient's handset:
- VL Patient´s handset, 1 call button, 2 light buttons, radio/TV, connector for headphone, with speech, antimicrobial 127.5730

Technical data
- Colour: traffic white (RAL 9016)
- Membrane antimicrobial

Packing unit
10 items

SET - Call reset panel with socket VDE — 127.7300S

Call and reset panel with socket.
No patient's handsets with service call button must be used in combination with this cancel button.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Cancel button, green.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button caps): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 54 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

2	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pin, VDE, clamps	127.0510
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Button cap reset, green (component of 127.2060)	
1	VL Cover plate socket, 2 buttons	127.3300
7	Terminal clamp connector	141.5840

SET - Call panel with socket VDE — 127.7400S

Call panel with socket, 15 pin.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 53 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pin, VDE, clamps	127.0510
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate socket, 1 button	127.3400
7	Terminal clamp connector	141.5840

SET - Call panel, socket 15 pin, socket mini-DIN, VDE 127.7410S

Call panel with 15-pin Sub-D 15 socket and mini-DIN socket.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Mini-DIN socket for connection of:
  - Adapter for medical device, with mini-DIN plug
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 15 mm (mounting height)
- Weight: 57 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pins, mini-DIN, VDE, clamps	127.0520
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate socket, 2 buttons	127.3300
7	Terminal clamp connector	141.5840

SET - Socket panel VDE 127.7500S

15-pin Sub-D socket.

Characteristics

- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm (mounting height)
- Weight: 53 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 3 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with socket, 15 pin, VDE, clamps	127.0510
1	VL Cover plate socket	127.3500
7	Terminal clamp connector	141.5840

SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter 127.7901S

Call panel with 15-pin Sub-D socket and mini-DIN socket, adapter for radio.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Mini-DIN socket for connection of:
  - Adapter for medical device, with mini-DIN plug
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Connection of:
  - 5 radio programmes from a PA system, or
  - 4 radio programmes from a PA system and TV sound from a television
- Mounted in flush mounting box E2.

Technical data

- Colour (adapter frame, cover plate): traffic white (RAL 9016)
- Material (adapter frame, cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 168 x 88 x 18 mm (mounting height)
- Weight: 213 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: Ribbon cable, 16-pin
- Connection type: Ribbon cable
- Power consumption: 16 mA when idle, max. 34 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pins, mini-DIN, VDE, ribbon cable	127.0570
1	VL Adapter with radio/TV module, 15 pin	125.0801
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate	127.3000
1	VL Cover plate socket, 2 buttons	127.3300
1	VL Adapter frame S2	127.4110
1	VL Plastic housing for base module	127.6030
1	VL Ribbon cable 16 pin for connection to 15 pin adapter	125.6200
1	VL Metal carrier for 15 and 26 pin adapter	125.6300
8	Terminal, screwless, 4 pin (3.5 mm)	125.6640
4	Countersunk head screws 2.5 x 8 mm for attaching the base modules to the VL Adapter frame S2	
2	Countersunk head screws 3.5 x 10 mm for attaching the VL Adapter frame S2 to a flush mounting box E2 or a VL Surface mounting frame S2	

SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter 127.7921S

Call panel with 15-pin socket and additional 26-pin socket and mini-DIN socket, adapter for patient's handset with telephone.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- 26-pin Sub-D socket for connection of:
  - Patient's handsets for triggering calls, with telephone, radio/TV control, light control
- Mini-DIN socket for connection of:
  - Adapter for medical device, with mini-DIN plug
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- With distributor for connecting telephone, radio/TV control for a bed.
- Mounted in flush mounting box E2.

Technical data

- Colour (adapter frame, cover plate): traffic white (RAL 9016)
- Material (adapter frame, cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 172 x 88 x 18 mm (mounting height)
- Weight: 235 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: ribbon cable 10/16 pin
- Connection type: Ribbon cable
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket, 26 pin, VDE, ribbon cable	127.0560
1	VL Base module with socket, 15 pins, mini-DIN, VDE, ribbon cable	127.0570
1	VL Adapter for patient´s handset with telephone 26 pin	125.0811
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate socket, 2 buttons	127.3300
1	VL Cover plate socket	127.3500
1	VL Adapter frame S2	127.4110
1	VL Ribbon cable 16 pin for connection to 15 pin adapter	125.6200
1	VL Ribbon cable 10 pin for connection to 26 pin adapter	125.6220
1	VL Metal carrier for 15 and 26 pin adapter	125.6300
1	Terminal, screwless, 2 pin (3.5 mm)	125.6620
2	Terminal, screwless, 3 pin (3.5 mm)	125.6630
5	Terminal, screwless, 4 pin (3.5 mm)	125.6640
4	Countersunk head screws 2.5 x 8 mm for attaching the base modules to the VL Adapter frame S2	
2	Countersunk head screws 3.5 x 10 mm for attaching the VL Adapter frame S2 to a flush mounting box E2 or a VL Surface mounting frame S2	

SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU — 127.7960S

Call panel with 15-pin socket and mini-DIN socket, additional 26-pin socket and mini-DIN socket, adapter for patient's handset with telephone.

Characteristics

- Patient call button, white. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- 26-pin Sub-D socket for connection of:
  - Patient's handsets for triggering calls, with telephone, radio/TV control, light control
- Mini-DIN socket for connection of:
  - Adapter for medical device, with mini-DIN plug
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- With distributor for connecting telephone, radio/TV control for a bed.
- Mounted in medical supply unit (MSU).

Technical data

- Colour (cover plates): traffic white (RAL 9016)
- Material (cover plates, button cap): plastic (ABS), antimicrobial
- Dimensions in the medical supply unit (WxH): 2 times 73 x 55 mm
- Weight: 171 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: ribbon cable 10/16 pin
- Connection type: Ribbon cable
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1 VL Button actuator pin 125.0110
1 VL Base module with socket for a medical supply unit, 26 pin, VDE 127.0760
1 VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE 127.0770
1 VL Adapter for patient´s handset with telephone 26 pin 125.0811
1 VL Button cap call, white (component of 127.2120)
1 VL Cover plate for socket in medical supply unit 127.3700
1 VL Cover plate for socket and 2 buttons in medical supply unit 127.3720
1 VL Ribbon cable 16 pin for connection to 15 pin adapter 125.6200
1 VL Ribbon cable 10 pin for connection to 26 pin adapter 125.6220

SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU — 127.7970S

Call panel with 15-pin Sub-D socket and mini-DIN socket, adapter for radio.

Characteristics

- Patient call button, white. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Mini-DIN socket for connection of:
  - Adapter for medical device, with mini-DIN plug
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Connection of:
  - 5 radio programmes from a PA system, or
  - 4 radio programmes from a PA system and TV sound from a television
- Mounted in medical supply unit (MSU).

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions in the medical supply unit (WxH): 73 x 55 mm
- Weight: 105 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: Ribbon cable, 16-pin
- Connection type: Ribbon cable
- Power consumption: 16 mA when idle, max. 34 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE	127.0770
1	VL Adapter with radio/TV module, 15 pin	125.0801
1	VL Button cap call, white (component of 127.2120)	
1	VL Cover plate for socket and 2 buttons in medical supply unit	127.3720
1	VL Ribbon cable 16 pin for connection to 15 pin adapter	125.6200

SET - Call panel, socket 15 pins, VDE, clamps, MSU — 127.7980S

Call panel with socket, 15 pin.

Characteristics

- Patient call button, white. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in medical supply unit (MSU).

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions in the medical supply unit (WxH): 73 x 55 mm
- Weight: 63 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket for a medical supply unit, 15 pin, VDE, clamps	127.0780
1	VL Button cap call, white (component of 127.2120)	
1	VL Cover plate for socket and 1 button in medical supply unit	127.3710
7	Terminal clamp connector	141.5840

SET - Call reset panel, socket 15 pins, VDE, clamps, MSU 127.7985S

Call and reset panel with socket.
No patient's handsets with service call button must be used in combination with the cancel button.

Characteristics

- Patient call button, white. With locating light and reassurance light.
- Cancel button, green.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in medical supply unit (MSU).

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button caps): plastic (ABS), antimicrobial
- Dimensions in the medical supply unit (WxH): 73 x 55 mm
- Weight: 62 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

2	VL Button actuator pin	125.0110
1	VL Base module with socket for a medical supply unit, 15 pin, VDE, clamps	127.0780
1	VL Button cap reset, green (component of 127.2060)	
1	VL Button cap call, white (component of 127.2120)	
1	VL Cover plate for socket and 2 buttons in medical supply unit	127.3720
7	Terminal clamp connector	141.5840

SET - Call panel, socket 15 pins, socket mini-DIN, VDE, clamps, MSU 127.7990S

Call panel with 15-pin Sub-D 15 socket and mini-DIN socket.

Characteristics

- Patient call button, white. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Mini-DIN socket for connection of:
  - Adapter for medical device, with mini-DIN plug
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in medical supply unit (MSU).

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions in the medical supply unit (WxH): 73 x 55 mm
- Weight: 65 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE, clamps	127.0790
1	VL Button cap call, white (component of 127.2120)	
1	VL Cover plate for socket and 2 buttons in medical supply unit	127.3720
7	Terminal clamp connector	141.5840

SET - Buzzer panel 127.8000S

Buzzer.

Characteristics

- Mounted in round mounting box R1.
- The volume of the acoustic signal transmitter can be set in two stages.

Technical data

- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 12 mm (mounting height)
- Weight: 48 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 3 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL base module buzzer VDE	125.0002
1	VL Base module with button	127.0100
1	VL Cover plate	127.3000
3	Terminal clamp connector	141.5840

SET - Presence, reset panel, 1 presence button 127.8100S

Presence panel.

Characteristics

- Presence button, green. With reassurance light.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 44 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with button	127.0100
1	VL Button actuator pin	125.0110
1	VL Button cap presence 1, green (component of 127.2040)	
1	VL Cover plate, 1 button	127.3100
4	Terminal clamp connector	141.5840

SET - Presence, reset panel, 1 presence button, buzzer — 127.8110S

Presence reset panel with buzzer.

Characteristics

- Presence button, green. With reassurance light.
- Mounted in round mounting box R1.
- The volume of the acoustic signal transmitter can be set in two stages.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 50 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL base module buzzer VDE	125.0002
1	VL Base module with button	127.0100
1	VL Button actuator pin	125.0110
1	VL Button cap presence 1, green (component of 127.2040)	
1	VL Cover plate, 1 button	127.3100
5	Terminal clamp connector	141.5840

SET - Call panel — 127.8120S

Call panel.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 46 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with button	127.0100
1	VL Button actuator pin	125.0110
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate, 1 button	127.3100
4	Terminal clamp connector	141.5840

SET - Reset panel 127.8130S

Reset panel.

Characteristics

- Cancel button, green.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 44 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with button	127.0100
1	VL Button actuator pin	125.0110
1	VL Button cap reset, green (component of 127.2060)	
1	VL Cover plate, 1 button	127.3100
4	Terminal clamp connector	141.5840

SET - Call, presence reset panel 127.8220S

Call and presence reset panel.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Presence button, green. With reassurance light.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button caps): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 50 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with button	127.0100
2	VL Button actuator pin	125.0110
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Button cap presence 1, green (component of 127.2040)	
1	VL Cover plate, 2 buttons	127.3200
6	Terminal clamp connector	141.5840

SET - Call, presence reset panel, buzzer — 127.8230S

Call and presence reset panel with buzzer.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Presence button, green. With reassurance light.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button caps): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 54 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL base module buzzer VDE	125.0002
1	VL Base module with button	127.0100
2	VL Button actuator pin	125.0110
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Button cap presence 1, green (component of 127.2040)	
1	VL Cover plate, 2 buttons	127.3200
7	Terminal clamp connector	141.5840

SET - Call and reset panel — 127.8240S

Call and reset panel.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Cancel button, green.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button caps): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 50 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with button	127.0100
2	VL Button actuator pin	125.0110
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Button cap reset, green (component of 127.2060)	
1	VL Cover plate, 2 buttons	127.3200
6	Terminal clamp connector	141.5840

SET - Call and reset panel with socket 127.8300S

Call and reset panel with socket

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Cancel button, green.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button caps): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 54 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC

Set components

2	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pin	127.0500
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Button cap reset, green (component of 127.2060)	
1	VL Cover plate socket, 2 buttons	127.3300
9	Terminal clamp connector	141.5840

SET - Call panel with socket 127.8400S

Call panel with socket, 15 pin.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 127.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Radio receiver
  - Splitter unit for diagnostic call/patient call
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate, button cap): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 13 mm (mounting height)
- Weight: 53 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pin	127.0500
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate socket, 1 button	127.3400
7	Terminal clamp connector	141.5840

SET - Pull cord panel, pull cord 3 m — 127.8601S

Pull cord panel with 3 m cord. Pull cord for pull cord panel, red, with 2 handles.

Characteristics

- Pull cord for pull cord panel (red), for patient call. With reassurance light (LED, yellow).
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate): plastic (ABS), antimicrobial
- Pull cord for pull cord panel: red, length 3 m, 2 handles, antimicrobial
- Dimensions (WxHxD): 80 x 80 x 14 mm (mounting height)
- Weight: 83 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 95 %, non-precipitating
- IP code: IP 42
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 3 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module pull switch	127.0600
1	VL Pull cord for pull cord panel, red, 300 cm	127.2401
4	Terminal clamp connector	141.5840

SET - Pneumatic panel — 127.8610S

Pneumatic panel.

Characteristics

- Pneumatic ball and tube assembly for patient call. With reassurance light (LED, yellow).
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 22 mm (mounting height)
- Weight: 147 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 95 %, non-precipitating
- IP code: IP 42
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 3 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	Pneumatic ball and tube assembly	092.006
1	VL Base module with pneumatic switch	127.0610
4	Terminal clamp connector	141.5840

SET - Code blue button with protection 127.8621S

Panel for resuscitation call (cardiac call).

Characteristics

- Call panel (blue, REA). With reassurance light.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): traffic white (RAL 9016)
- Material (cover plate): plastic (ABS), antimicrobial
- Dimensions (WxHxD): 80 x 80 x 17 mm (mounting height)
- Weight: 55 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Output voltage of the call line: 24 V
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1 Base module with resuscitation button
1 Cover plate with cutout
4 Terminal clamp connector 141.5840

SET - Pull cord panel IP 66, pull cord 3 m 127.8650S

Waterproof pull cord panel with 3 m pull cord. Pull cord for pull cord panel, red, with 2 handles.

Characteristics

- Pull cord for pull cord panel for patient call, with handle (red).
- Cord with protection against strangulation and accidental pulling down (anti-ligature): cord fixing detaches under a tensile load of max. 3.5 kg
- Circumferential reassurance light (LED, red).
- Mounted in round mounting box R1.
  With adapter for round mounting box for pull cord panel IP 66, stock code number 127.8670, also for round mounting boxes rotated 90 degrees.

Technical data

- Colour (cover plate): similar to traffic white (RAL 9016)
- Pull cord for pull cord panel: red, length 3 m, 2 handles, antimicrobial
- Dimensions (WxHxD): 75 x 75 x 24 mm (mounting height)
- Weight: 117 g
- Ambient temperature: 2 to 55 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 66
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 0 mA when idle, max. 20 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1 Pull cord panel IP 66
1 VL Pull cord for pull cord panel, red, 300 cm 127.2401
1 Silicone seal
2 Screws
1 Monitoring resistor 150 kΩ

SET - Pull cord panel IP 66 with cancel cord, pull cord 3 m — 127.8660S

Waterproof pull cord panel with 3 m pull cord. Pull cord for pull cord panel, red, with 2 handles.

Characteristics

- Pull cord for patient call pull cord panel with handle (LED, red).
- Cord with protection against strangulation and accidental pulling down (anti-ligature): cord fixing detaches under a tensile load of max. 3.5 kg
- Circumferential reassurance light (red).
- Pull cord for pull cord panel for cancelling calls (green).
- Mounted in round mounting box R1.

  For round mounting boxes rotated 90 degrees, use an adapter:

  Adapter for round mounting box for pull cord panel IP 66 127.8670

  For wall mounting, use the corresponding adapter:

  Adapter for wall mounting for pull cord panel IP 66 127.8690

Technical data

- Colour (cover plate): similar to traffic white (RAL 9016)
- Pull cord for pull cord panel: red, length 3 m, 2 handles, antimicrobial
- Cancel cord: green, length 0.75 m
- Dimensions (WxHxD): 75 x 75 x 24 mm (mounting height)
- Weight: 125 g
- Ambient temperature: 2 to 55 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 66
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 0 mA when idle, max. 20 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1 Pull cord panel IP 66 with cancel cord
1 VL Pull cord for pull cord panel, red, 300 cm 127.2401
1 Cancel cord
1 Silicone seal
2 Screws
1 Monitoring resistor 150 kΩ

Adapter for round mounting box for pull cord panel IP 66 — 127.8670

Adapter for mounting on round mounting boxes rotated 90 degrees.
Suitable for:

- SET - Pull cord panel IP 66, pull cord 3 m 127.8650S
- SET - Pull cord panel IP 66 with cancel cord, pull cord 3 m 127.8660S

Technical data

- Dimensions (WxHxD): 78 x 78 x 8 mm
- Weight: 40 g

Components

1 Adapter frame
1 Silicone seal
6 Screws

Adapter for wall mounting for pull cord panel IP 66 — 127.8690

Adapter for mounting on the wall without round mounting box.
Suitable for:

- SET - Pull cord panel IP 66, pull cord 3 m 127.8650S
- SET - Pull cord panel IP 66 with cancel cord, pull cord 3 m 127.8660S

Technical data

- Dimensions (WxHxD): 78 x 78 x 13 mm
- Weight: 60 g

Components

1 Adapter frame
1 Silicone seal
4 Screws with dowels

Comand plate — 141.7240

Replacement cover plate for this control module:
- Five button module plus mic S1 130.7200

Technical data
- Colour: pure white (RAL 9010)
- Material: plastic (ABS)
- Dimensions (WxHxD): 88 x 88 x 25 mm
- Weight: 20 g

Display plate — 141.7250

Replacement cover plate for these display modules:
- Small LCD node (ans/store/scroll) S1 130.7000
- Small room LCD node (pres./call/scroll) S1 130.7010
- Room display module 130.7230

Technical data
- Colour: pure white (RAL 9010)
- Material: plastic (ABS)
- Dimensions (WxHxD): 88 x 88 x 25 mm
- Weight: 17 g

Display plate, white — 141.7251

Replacement cover plate for this room display module:
- Small room LCD node (pres./call/scroll) S1, white 130.7011

Technical data
- Colour: traffic white (RAL 9016)
- Material: plastic (ABS), antimicrobial
- Dimensions (WxHxD): 88 x 88 x 25 mm
- Weight: 17 g

4 Medicall 800 Security

4.1 Overview

Medicall 800 Security complements Medicall 800. It is suitable for use in:

- Prisons
- Police stations
- Psychiatric hospitals
- Forensic clinics

Special devices are used in Medicall 800 Security. All devices used within the range for prisoners are reliably protected against wanton destruction by mechanical or thermal means. Attempts to open or manipulate the devices will result in a clear signal being sent to the answer stations.

4.2 Special functions for Medicall 800 Security

Medicall 800 Security offers special functions for prisons, police stations or psychiatric hospitals:

- Enforced radio
- Radio deprivation
- Call deprivation
- Monitored presence
- Light with set presence
- Light deprivation
- Power deprivation
- Controllable inputs and outputs

These functions are set with the ZETLON configuration software and controlled via mediGraph Security.

4.2.1 Enforced radio

Enforced radio means that any desired radio programme is switched on in selected cells and remains on until it is switched off again. A radio programme already set on the cell terminal is interrupted for the period of enforced radio.

You can activate the enforced radio function for any cell in mediGraph Security. You can also determine which radio programme is to be received.

To do so, you just need to define the number of connected radio channels in the ZETLON configuration software.

Enforced radio cancels radio deprivation

Enforced radio temporarily cancels radio deprivation.

Radio deprivation is activated again after the period of enforced radio.

4.2.2 Radio deprivation

Radio deprivation means that the radio is switched off in selected cells and remains off until it is switched on again.

You can activate the radio deprivation function for any cell in mediGraph Security.

Enforced radio cancels radio deprivation

Enforced radio temporarily cancels radio deprivation. The radio channel for the enforced radio is transmitted to the cell.

Radio deprivation is activated again after the period of enforced radio.

4.2.3 Call deprivation

Call deprivation means that the call display on the answer stations for a cell can be suppressed for a set period of time.

Call deprivation is terminated automatically after the set period of time has elapsed. It may then need to be activated again.

You can activate the call deprivation function for any cell in mediGraph Security.

Emergency calls and alarm calls can be made even if call deprivation is activated.

4.2.4 Monitored presence

If monitored presence had been set with the presence key switch, the call system automatically triggers an alarm of call category "officer delayed" after the monitoring time has elapsed. The duration of the monitoring time can be set using the ZETLON configuration software.

ZETLON can be used to determine whether or not a presence is monitored. Normally presence 2 is monitored. In particularly dangerous areas, ZETLON can be used to configure one or more cells in such a way that an "officer delayed" emergency call is triggered at the end of the monitoring time even with presence 1.

4.2.5 Cell light with set presence

You can use the ZETLON configuration software to specify that the light in the cell is to be switched on with presence set.

4.2.6 Light deprivation

Light deprivation means that the light is switched off in selected cells and remains off until it it switched on again.

The cell light must be connected to the cell electronics or cell terminal.

You can activate the light deprivation function for any cell in mediGraph Security.

4.2.7 Power deprivation

Power deprivation means that the power is switched off in selected cells and remains off until it it switched on again.

The power must be connected to the cell electronics or cell terminal.

You can activate the power deprivation function for any cell in mediGraph Security.

4.3 System components

4.3.1 Cell terminal

The cell terminal enables a prisoner to make calls and speak to an officer. Depending on the version, he can also switch the light on and off and control the radio programme.

The cell terminal is connected to a cell electronic that forwards the calls. This cell electronic then controls the lamps of a room signal light.

Cell terminal variants

The cell terminal comes in a number of variants:

- Cell terminal, with call button, stock code number 135.201x
- Cell terminal, with call and light button, stock code number 135.202x
- Cell terminal, with call button, light button and radio, stock code number 135.203x

Characteristics

- IP code: IP 54 (protected against dust and splash water).
- Vandal resistant front panel made from V2A steel with three-punch screws.
- Vandal resistant red piezo call button with reassurance light (LED).
- Good speech quality through 63.5 mm loudspeaker, electret microphone.
- 1 light button, directly controllable. The cell light can also be connected to the cell electronic via a latching relay. Second light button available as special version. The PCB is already prepared for connection.
- 4 monitored call lines.
- 2 electrically isolated inputs (optical couplers).
- 2 electrically isolated outputs (relays).
- Connection for 2 internal sabotage switches for monitoring the front panel.
- Connections for 5 radio channels.
- On buttons without a pilot LED, a short peep is given as confirmation when the key is pressed.

4.3.2 Cell electronic

The cell electronic forwards calls from connected cell terminals or other panels to the answer stations in the wing and activates the lamps of a room signal light without electronic accordingly.

Variants of the cell electronic

The cell electronic comes in a number of variants:

- Cell electronic with signal light, stock code number 135.120x. Components: Mounting frame, PCB, plastic base with attached lamp dome
- Cell electronic without signal light, stock code number 135.160x. Components: Mounting frame, PCB, housing

Characteristics

- Identifies the call information of connected cell terminals.
- 5 analogue call lines:
  - 3 call lines with means for connecting reassurance lights
  - 2 presence lines with means for connecting reassurance lights
- 5 analogue outputs and 1 buzzer output
- Activates the lamps of a room signal light.
- Controls the cell light if the light button of the cell terminal was pressed. This function must be configured accordingly using the ZETLON configuration software.
- Activates light deprivation or enforced light. These functions must be configured accordingly using the ZETLON configuration software.
- Controls voice communication to the cell terminal (in call systems with speech).
- In the event of sabotage on the cell terminal: The cell electronic isolates the cell terminal from the cell electronic.
- Switches acoustic call forwarding.
- Links this information and forwards it to the system bus.
- Mounting in flush mounting box.

  You can also mount the cell electronic in the mounting box of the cell terminal.

  This may be necessary if replacing an old call system, for instance. Such mounting is also suitable if no additional call line is connected to the cell electronic.

4.3.3 Presence key switch

The presence key switch is mounted in the corridor next to the cell door. The officer must use it to set his presence before he goes into a cell. It can also be used to cancel calls in the cell. If the officer makes a call after having set a presence, this is an officer emergency call.

The presence key switch with 2 positions is usually configured as follows:

- 0 – Presence off
- 1 – Presence 1 on
- 2 – Presence 2 on. Presence 2 is usually monitored for time; optional enforced light; is connected to the cell electronic; is configured via the ZETLON configuration software

You can activate and deactivate time monitoring for presence 1 and 2 and set the monitoring time using the ZETLON configuration software.

4.4 Medicall 800 Security device overview

Three punch screwdriver — 095.181

Screwdriver for loosening and fixing special safety screws (three punch screws).

Three punch screw for Cell Terminal 2010 (095.551, 095.552, 095.553, 095.554), M3x12mm — 095.184

Three punch screw for cell terminal 2010.

Technical data

- Metric thread M3 x 12 mm
- Material: V2A steel

Flush mounting box, 1 terminal, 100x100 mm — 095.191

Flush mounting box for mounting:

- Keyswitch, flush 095.1020
- Presence key switch, 2 positions (0/1/2) 135.2200

Technical data

- Dimensions (WxHxD): 100 x 100 x 65 mm
- Made of robust Duroplastic

ZT Cell terminal flush box (stainless steel) — 095.5560

Flush mounting box for mounting:

- ZT Cell communication terminal with call, light control 095.552
- ZT Cell Communication Terminal with call, radio 095.553
- ZT Cell Communication Terminal with call, light control, radio 095.554
- Cell terminal, with call button (CB) 135.2012
- Cell terminal, with call and light button (CB/LB) 135.2022
- Cell terminal, with call button, light button and radio (CB/LB/RF) 135.2032

Technical data

- Dimensions (WxHxD): 190 x 174 x 84 mm

Characteristics

- Made from stainless steal
- Suitable for brickwork and poured concrete
- With sealed cable glands
- 2 monitoring switches for the internal sabotage loop
- Complete with mounting material and cardboard plaster protector

Cell call overdoor light 135.1200

The cell call overdoor light forwards calls from connected cell terminals or other call panels to the answer stations in the wing and operates the lamps of the overdoor light accordingly.

Characteristics

- Addressable LON node with control electronics for all room components.
- Identifies the call information of connected cell terminals.
- 5 analogue inputs:
  - 3 call lines with means for connecting reassurance lights
  - 2 presence lines with means for connecting reassurance lights
- 5 analogue outputs and 1 buzzer output
- 4 lamp outputs
- Activates the lamps of the light.
- Controls the cell light if the light button of the cell terminal was pressed. This function must be configured accordingly using the ZETLON configuration software.
- Activates light withdrawal or enforced light. These functions must be configured accordingly using the ZETLON configuration software.
- Controls voice communication with the cell terminal (in systems with speech).
- In the event of sabotage on the cell terminal: the cell call electronics isolates the cell terminal from the cell call electronics.
- Switches acoustic call forwarding on and off.
- Mounted in flush mounting box.

Technical data

- Power consumption: 20 mA when idle, for call or presence additional lamp current and current of externally connected devices
- Self-resetting fuse (Polyswitch), reset time: a few seconds
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- Licensed in accordance with DIN VDE 0834.
- IP code: IP 40, with security cover IP 60
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Colour: plastic housing traffic white (RAL 9010), diffuser opal white
- Material: plastic housing plastic (PC+ABS), diffuser plastic (PC)
- Dimensions (WxHxD): 90 x 110 x 60 mm
- Weight: 192 g

Components

1 Mounting frame
1 PCB
1 Plastic base with attached diffuser

You will also need

- Bulbs 24 V/3 W, W2.1 x 9.5d 130.9500, 130.9520, 130.9540, 130.9560
  or
  LED lamps 24 V/20 mA (white, red, green, yellow, blue, red/white, blue/white) 130.9600, 130.9610, 130.9620, 130.9630, 130.9640, 130.9660. 130.9670
- Flush mounting box E1 or standard round mounting box of another manufacturer
- Plug-in terminals suitable for the connection groups on the cell call electronics, spacing 3.5 mm, e.g. stock code numbers 125.6620 to 125.6650

Accessories

- Vandal proof cover for overdoor light 135.1900

Cell call electronics without light — 135.1600

The cell call electronics forwards calls from connected cell terminals or other call panels to the answer stations in the wing and operates the lamps of a light accordingly.

Characteristics

- Addressable LON node with control electronics for all room components.
- Identifies the call information of connected cell terminals.
- 5 analogue inputs:
  - 3 call lines with means for connecting reassurance lights
  - 2 presence lines with means for connecting reassurance lights
- 5 analogue outputs and 1 buzzer output
- 4 lamp outputs
- Activates the lamps of a light.
- Controls the cell light if the light button of the cell terminal was pressed. This function must be configured accordingly using the ZETLON configuration software.
- Activates light withdrawal or enforced light. These functions must be configured accordingly using the ZETLON configuration software.
- Controls voice communication with the cell terminal (in systems with speech).
- In the event of sabotage on the cell terminal: the cell call electronics isolates the cell terminal from the cell call electronics.
- Switches acoustic call forwarding on and off.
- Mounted in flush mounting box.
  You can also mount the cell call electronics in the flush mounting box of the cell terminal.
  This is not needed if an old system is being replaced, for instance. This mounting is also suitable if no other call line is connected to the cell call electronics.

Technical data

- Power consumption: 20 mA when idle, for call or presence additional lamp current and current of externally connected devices
- Self-resetting fuse (Polyswitch), reset time: a few seconds
- Connection: suitable for plug-in terminals (spacing 3.5 mm)
- Licensed in accordance with DIN VDE 0834.
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Colour: housing traffic white (RAL 9016)
- Material: housing plastic (ABS), antimicrobial
- Dimensions (WxHxD): 90 x 110 x 32 mm
- Weight: 136 g

Components

1 Mounting frame, grey F1 130.2900
1 PCB
1 Housing
4 Plastic spacers. For securing the PCB of the cell call electronics to that of the cell terminal.

You will also need

- Flush mounting box E1 or standard round mounting box of another manufacturer
- Plug-in terminals suitable for the connection groups on the cell call electronics, spacing 3.5 mm, e.g. stock code numbers 125.6620 to 125.6650

Vandal proof cover for overdoor light — 135.1900

Security cover for these lights:

- Overdoor light without electronics F1 130.010
- Overdoor light with electronics F1 130.1101
- Cell call overdoor light 135.1200
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Characteristics

- Vandal resistant security cover made from V2A steel.
- Mounted in standard flush mounting box. Use dowels for additional fixing to the wall if necessary.
- The lid of the security cover is secured using three-punch screws.
- Plastic dome cap so that no objects can be placed on the security cover.
- 2 sabotage switches. These are triggered if the three-punch screws on the cover are unscrewed.

Technical data

- Dimensions (WxHxD): 125 x 145 x 70 mm
- Weight: 597 g

Vandal proof cover for LED overdoor light, dome style — 135.1910

Vandal proof security cover for these LED lights:

- SET - LED light without electronics, dome style 138.4000S
- SET - LED light with electronics, dome style 138.4050S
- SET - LED light without electronics, multi-colour, dome style 138.4100S
- SET - LED light with electronics, multi-colour, dome style 138.4150S

Characteristics

- Material: V2A steel, thickness 1,0 mm
- Colour: brushed stainless steel
- Mounting on a round mounting box S1 or flush mounting box E1. Use dowels for additional fixing to the wall if necessary.
- The lid of the security cover is secured using three-punch screws.
- Dome cap so that no objects can be placed on the security cover.
- 2 sabotage switches. These are triggered if the three-punch screws on the cover are unscrewed.

Technical data

- Dimensions (WxHxD): 126 x 146 x 50 mm
- Weight: 441 g

Components

1 Cover
1 Mounting frame
2 Three-punch screws. For fixing the cover to the mounting frame.
2 Countersunk head screws. For fixing the mounting frame to the wall.

Cell terminal, with call button (CB) — 135.2012

The cell terminal enables a prisoner to make calls and speak to an officer.

The cell terminal is connected to a cell call electronics that forwards the calls. This cell call electronics then controls the lamps of a light.

Characteristics

- Vandal resistant front panel, V2A steel, with three-punch screws.
- Vandal resistant red piezo call button with LED. LED serves as reassurance light and locating light. Locating light can be activated or deactivated.
- Good speech quality through 63.5 mm loudspeaker, electret microphone.
- 4 monitored call lines.
- 2 galvanically isolated inputs (optical couplers).
- 2 galvanically isolated outputs (relays).
- Connection for 2 internal sabotage switches for monitoring the front panel.
- Several cell terminals on one cell call electronics
  You can connect max. 4 cell terminals to one cell call electronics. The cell terminals can be installed in a cell or distributed over several cells. However, only 1 key switch and 1 light can be connected to a cell call electronics.

Technical data

- Power consumption: 0.02 A when idle, plus 0.02 A for every triggered output, plus 0.01 A for every triggered relay, plus 0.1 A for every announcement
- IP code: IP 54 (protected against dust and splash water)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 130 x 169 x 47 mm
- Weight: 788 g

Components

1 Cell terminal
4 Three-punch screws. For securing the front panel of the cell terminal.

You will also need

- ZT Cell terminal flush box (stainless steel) 095.5560
- Installation kit for cell terminal 135.2100
- Plug-in terminals, suitable for the connection groups on the cell terminal, spacing 3.5 mm
- 1 terminal, 1-pin, for the screen wires

Cell terminal, with call and light button (CB/LB) 135.2022

The cell terminal enables a prisoner to make calls and speak to an officer. He can then switch the cell light on and off.

The cell terminal is connected to a cell call electronics that forwards the calls. This cell call electronics then controls the lamps of a light.

Characteristics

- Vandal resistant front panel, V2A steel, with three-punch screws.
- Vandal resistant red piezo call button with LED.
  LED serves as reassurance light and locating light. Locating light can be activated or deactivated.
- Good speech quality through 63.5 mm loudspeaker, electret microphone.
- 1 light button, directly controllable. Cell light can also be connected to the cell call electronics by means of a latching relay. Second light button available as special version. The PCB is already prepared for connection.
  Short beep as confirmation when button is pressed.
- 4 monitored call lines.
- 2 galvanically isolated inputs (optical couplers).
- 2 galvanically isolated outputs (relays).
- Connection for 2 internal sabotage switches for monitoring the front panel.
- Noise monitoring (sound monitor).
  Noise monitoring can be activated or deactivated with the ZETLON configuration software.
  A call is triggered in the event of a noise. If presence is set an emergency call is triggered. The sensitivity of noise monitoring can be adjusted.
- Several cell terminals on one cell call electronics
  You can connect max. 4 cell terminals to one cell call electronics. The cell terminals can be installed in a cell or distributed over several cells. However, only 1 key switch and 1 light can be connected to a cell call electronics.

Technical data

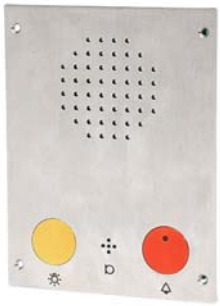
- Power consumption: 0.02 A when idle, plus 0.02 A for every triggered output, plus 0.01 A for every triggered relay, plus 0.1 A for every announcement
- IP code: IP 54 (protected against dust and splash water)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 130 x 169 x 47 mm
- Weight: 798 g

Components

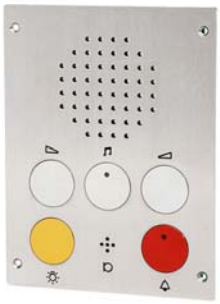
1 Cell terminal
4 Three-punch screws. For securing the front panel of the cell terminal.

You will also need

- ZT Cell terminal flush box (stainless steel) 095.5560
- Installation kit for cell terminal 135.2100
- Plug-in terminals, suitable for the connection groups on the cell terminal, spacing 3.5 mm
- 1 terminal, 1-pin, for the screen wires



Cell terminal, with call button, light button and radio (CB/LB/RF) 135.2032



The cell terminal enables a prisoner to make calls and speak to an officer. He can then switch the cell light one and off and control the radio programme.

The cell terminal is connected to a cell call electronics that forwards the calls. This cell call electronics then controls the lamps of a light.

Characteristics

- Vandal resistant front panel, V2A steel, with three-punch screws.
- Vandal resistant red piezo call button with LED. LED serves as reassurance light and locating light. Locating light can be activated or deactivated.
- Good speech quality through 63.5 mm loudspeaker, electret microphone.
- 1 light button, directly controllable. Cell light can also be connected to the cell call electronics by means of a latching relay. Second light button available as special version. The PCB is already prepared for connection.
  Short beep as confirmation when button is pressed.
- 4 monitored call lines.
- 2 galvanically isolated inputs (optical couplers).
- 2 galvanically isolated outputs (relays).
- Connection for 2 internal sabotage switches for monitoring the front panel.
- Connections for 5 radio channels.
- Noise monitoring (sound monitor).
  Noise monitoring can be activated or deactivated with the ZETLON configuration software.
  A call is triggered in the event of a noise. If presence is set an emergency call is triggered. The sensitivity of noise monitoring can be adjusted.
- Several cell terminals on one cell call electronics
  You can connect max. 4 cell terminals to one cell call electronics. The cell terminals can be installed in a cell or distributed over several cells. However, only 1 key switch and 1 light can be connected to a cell call electronics.

Technical data

- Power consumption: 0.02 A when idle, plus 0.02 A for every triggered output, plus 0.01 A for every triggered relay, plus 0.1 A for every announcement
- IP code: IP 54 (protected against dust and splash water)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 130 x 169 x 47 mm
- Weight: 800 g

Components

1 Cell terminal
4 Three-punch screws. For securing the front panel of the cell terminal.

You will also need

- ZT Cell terminal flush box (stainless steel) 095.5560
- Installation kit for cell terminal 135.2100
- Plug-in terminals, suitable for the connection groups on the cell terminal, spacing 3.5 mm
- 1 terminal, 1-pin, for the screen wires

Installation kit for cell terminal — 135.2100

The installation kit for the cell terminal is used for mounting the cell terminals, stock code numbers 135.2012, 135.2022, 135.2032.

Components

3 Monitoring resistor for the call lines, 150 kΩ
2 Metal spacers. For fitting the mounting frame of the cell call electronics into the flush mounting box of the cell terminal.
2 Shims, Ø 4.7 mm. For fixing the mounting frame of the cell call electronics into the flush mounting box of the cell terminal.
2 Screws. For fixing the mounting frame of the cell call electronics into the flush mounting box of the cell terminal.
1 Connecting cable, green/yellow, with tab receptacles. For connecting the equipotential bonding to the cell terminal.
1 Connecting cable, black, with tab receptacles For connecting the two sabotage switches of the flush mounting box of the cell terminal.
1 Connecting cable with tab receptacle and WAGO connection. For connecting the two sabotage switches of the flush mounting box of the cell terminal.
1 Cable binder with sticking base, self-adhesive. For securing the cables of the sabotage switch in the flush mounting box of the cell terminal.
3 Cable binders. For securing the cables to the lugs of the flush mounting box of the cell terminal.

Presence key switch, 2 positions (0/1/2) — 135.2200

The presence key switch is installed in the corridor next to the cell door. The officer must set his presence on it before going into the cell. It can also be used to cancel calls in the cell.
The presence key switch with 2 positions is normally used if the cell light for the enforced light function is to be connected to the cell call electronics rather than to the presence key switch. The cell call electronics then switches the cell light on if there is a presence with enforced light. The cell call electronics must be configured accordingly using the ZETLON configuration software.
The version with 2 positions is usually configured as follows:

- 0 – presence off
- 1 – presence 1 on
- 2 – presence 2 on; optional enforced light; is connected to the cell call electronics; is configured using the ZETLON configuration software

Characteristics

- Vandal resistant housing made from aluminium/magnesium alloy, with three-punch screws
- Surface peen-finished, giving sealed pores, easier maintenance, better long-term response
- Excellent resistance to weathering and chemical influences
- Mounted on flush mounting box, stock code number 095.191
  Variant for surface mounting available as special version.
- Sabotage switches can also be fitted

Technical data

- IP code: IP 60
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 106 x 106 x 58 mm
- Weight: 520 g

Components

1 Presence key switch
2 Key

You will also need

1 Flush mounting box, 1 terminal, 100x100 mm 095.191
2 Monitoring resistor 150 kΩ

Call panel, vandal resistant, red — 135.4000

A prisoner can make calls using the external call panel.
The vandal resistant call panel is usually used in the following cases:

- In systems without speech. Connect the call panel to the cell call electronics.
- In cells in which calls are to be made from several different call lines. Connect the call panel to the cell call electronics or the cell terminal.

Characteristics

- Vandal resistant front panel made from V2A steel with three-punch screws
- Vandal resistant red piezo call button with LED
  LED serves as reassurance light and locating light. Locating light can be activated or deactivated.
- 1 monitored call line
- 1 input for reassurance light
- 2 internal sabotage switches for monitoring the front panel
  The sabotage switches can be connected in a variety of ways:
  - Looped into a call line. The call voltage 4.7 V (static) must be set with a jumper.
  - Floating and separate or connected to the sabotage input in series with other sabotage contacts of the cell.

Technical data

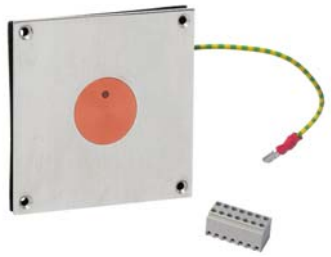
- Call voltage: 24 V (preset, can also be set to 4.7 V, 10 V, 15 V with a jumper)
- IP code: IP 54 (protected against dust and splash water)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 80 x 80 x 35 mm
- Weight: 500 g

Components

1 Call panel with blade terminal for earth
1 Plug-in terminal (spacing 3.5 mm), 7-pin

You will also need

- Flush mounting box concrete/brickwork for call panel, vandal resistant 135.4100
- Mounting frame with accessories for vandal resistant call panel 135.4110
  Contains the fastening accessories
- Mounting utility for vandal resistant call panel 135.4120



Presence panel, vandal resistant, green — 135.4010

The vandal resistant presence panel is used mostly in psychiatric and forensic hospitals.
The green presence panel can be used to set the presence outside a cell. You can only set a presence.
Connect the presence panel to the cell call electronics.

Characteristics

- Vandal resistant front panel made from V2A steel with three-punch screws
- Vandal resistant green piezo call button with reassurance light (LED)
- 1 Presence
- 1 input for reassurance light
- 2 internal sabotage switches for monitoring the front panel
  The sabotage switches must be configured as floating contacts and connected separately or in series with other sabotage contacts of the cell to the sabotage input of the cell call electronics.
- In systems without speech, a buzzer for acoustic call forwarding (VL base module buzzer VDE, stock code number 125.0002) can also be installed. The buzzer is simply attached to the PCB.

Technical data

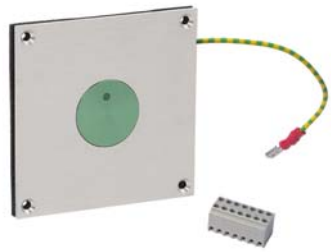
- Output voltage: 24 V (preset)
- IP code: IP 54 (protected against dust and splash water)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 80 x 80 x 35 mm
- Weight: 500 g

Components

1 Presence panel with blade terminal for earth
1 Plug-in terminal (spacing 3.5 mm), 7-pin

You will also need

- Flush mounting box concrete/brickwork for call panel, vandal resistant 135.4100
- Mounting frame with accessories for vandal resistant call panel 135.4110
  Contains the fastening accessories
- Mounting utility for vandal resistant call panel 135.4120



Light panel, vandal resistant, yellow — 135.4020

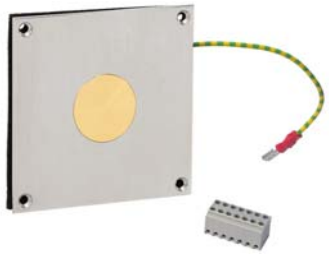
The vandal resistant light panel is used mostly in systems without speech. The light panel is connected to the cell call electronics.
A prisoner can switch the light on in the cell using the yellow light panel.
Connect the light panel to the cell call electronics.

Characteristics
- Vandal resistant front panel made from V2A steel with three-punch screws
- Vandal resistant yellow piezo call button
- 2 internal sabotage switches for monitoring the front panel
  The sabotage switches must be configured as floating contacts and connected separately or in series with other sabotage contacts to the sabotage input of the cell call electronics.

Technical data
- Output voltage: 24 V (preset)
- IP code: IP 54 (protected against dust and splash water)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 80 x 80 x 35 mm
- Weight: 500 g

Components
1 Light panel with blade terminal for earth
1 Plug-in terminal (spacing 3.5 mm), 7-pin

You will also need
- Flush mounting box concrete/brickwork for call panel, vandal resistant 135.4100
- Mounting frame with accessories for vandal resistant call panel 135.4110
  Contains the fastening accessories
- Mounting utility for vandal resistant call panel 135.4120



Flush mounting box concrete/brickwork for call panel, vandal resistant — 135.4100

Flush mounting box concrete/brickwork. Suitable for:
- Call panel, vandal resistant, red 135.4000
- Presence panel, vandal resistant, green 135.4010
- Light panel, vandal resistant, yellow 135.4020

Technical data
- Material: V2A steel
- Dimensions (WxHxD): 82 x 94 x 56 mm
- Weight: 191 g

You will also need
- Mounting frame with accessories for vandal resistant call panel 135.4110
  Contains the fastening accessories
- Mounting utility for vandal resistant call panel 135.4120

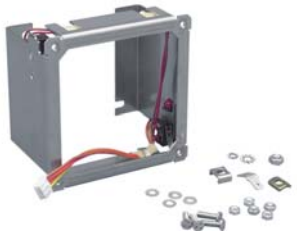
Mounting frame with accessories for vandal resistant call panel — 135.4110

Mounting frame including accessories in the flush mounting box concrete/brickwork for call panel, vandal resistant, stock code number 135.4100. Suitable for:
- Call panel, vandal resistant, red 135.4000
- Presence panel, vandal resistant, green 135.4010
- Light panel, vandal resistant, yellow 135.4020

Technical data
- Material: V2A steel
- Dimensions (WxHxD): 80 x 80 x 51 mm
- Weight: 111 g

Components
- Mounting frame
- Fastening accessories for the call, presence and light panel and for the flush mounting box concrete/brickwork

You will also need
- Flush mounting box concrete/brickwork for call panel, vandal resistant 135.4100
- Mounting utility for vandal resistant call panel 135.4120



Mounting utility for vandal resistant call panel — 135.4120

Mounting tool for the flush mounting box concrete/brickwork for call panel, vandal resistant, stock code number 135.4100. For brickwork only. For flush cementing-in of the flush mounting box.
Suitable for:

- Call panel, vandal resistant, red 135.4000
- Presence panel, vandal resistant, green 135.4010
- Light panel, vandal resistant, yellow 135.4020

Components

1 Mounting tool
1 Screw M4
1 Distance bolt M4

You will also need

- Flush mounting box concrete/brickwork for call panel, vandal resistant 135.4100
- Mounting frame with accessories for vandal resistant call panel 135.4110

Programming connection unit RJ-45 LON — 700.021

Connection unit for connection to the system bus.

Characteristics

- RJ-45 socket
- Installation: on the surface

Technical data

- Colour: cream
- IP code: IP 30
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 80 x 65 x 27 mm
- Weight: approx. 40 g

Programming cable RJ-45 LON — 700.022

Programming cable Cat 5e, conforming to ISO/IEC 11081.

Technical data

- Length: 2 m
- Plug: RJ-45
- Number of wires: 8

5 Components and spare parts

5.1 Common parts for Medicall 800 and VarioLine

SET - Call panel with socket VDE — 125.7400S

Call panel with socket, 15 pin.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 125.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Splitter units
  - VL Radio receiver
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 20 mm
- Weight: 59 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pin, VDE, connection with clamps	125.0510
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate socket, 1 button	125.3400
7	Terminal clamp connector	141.5840

SET - Call panel, socket 15 pin, socket mini-DIN, VDE — 125.7410S

Call panel with 15-pin Sub-D 15 socket and mini-DIN socket.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 125.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Splitter units
  - VL Radio receiver
- Mini-DIN socket for connection of:
  - Adapter for medical device, with mini-DIN plug
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 22 mm
- Weight:
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pins, mini-DIN, VDE, connection with clamps	125.0520
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate socket, 2 buttons	125.3300
7	Terminal clamp connector	141.5840

SET - Socket panel VDE — 125.7500S

15-pin Sub-D socket.

Characteristics

- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 125.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Splitter units
  - VL Radio receiver
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 19 mm
- Weight:
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 3 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with socket, 15 pin, VDE, connection with clamps	125.0510
1	VL Cover plate socket	125.3500
7	Terminal clamp connector	141.5840

SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter — 125.7901S

Call panel with 15-pin Sub-D socket and mini-DIN socket, adapter for radio.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 125.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Splitter units
  - VL Radio receiver
- Mini-DIN socket for connection of:
  - Adapter for medical device, with mini-DIN plug
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Connection of:
  - 5 radio programmes from a PA system, or
  - 4 radio programmes from a PA system and TV sound from a television
- Mounted in flush mounting box E2.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 172 x 88 x 24 mm
- Weight:
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: Ribbon cable, 16-pin
- Connection type: Ribbon cable
- Power consumption: 16 mA when idle, max. 34 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	IVL Base module with socket, 15 pins, mini-DIN, VDE, connection with ribbon cable	125.0570
1	VL Adapter with radio/TV module, 15 pin	125.0801
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate	125.3000
1	VL Cover plate socket, 2 buttons	125.3300
1	VL Adapter frame S2	125.4110
1	VL Plastic housing for base module	125.6030
1	VL Ribbon cable 16 pin for connection to 15 pin adapter	125.6200
1	VL Metal carrier for 15 and 26 pin adapter	125.6300
8	Terminal, screwless, 4 pin (3.5 mm)	125.6640

SET - Call panel, socket 15 pins, socket mini-DIN, VDE, ribbon cable, radio adapter, MSU — 125.7911S

Call panel with 15-pin Sub-D socket and mini-DIN socket, adapter for radio.

Characteristics

- Patient call button, white. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 125.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Splitter units
  - VL Radio receiver
- Mini-DIN socket for connection of:
  - Adapter for medical device, with mini-DIN plug
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Connection of:
  - 5 radio programmes from a PA system, or
  - 4 radio programmes from a PA system and TV sound from a television
- Mounted in medical supply unit (MSU).

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxH): 73 x 55 mm
- Weight:
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: Ribbon cable, 16-pin
- Connection type: Ribbon cable
- Power consumption: 16 mA when idle, max. 34 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE	125.0720
1	VL Adapter with radio/TV module, 15 pin	125.0801
1	VL Button cap call, white	125.2120
1	VL Cover plate for socket and 2 buttons in medical supply unit	125.3720
1	VL Ribbon cable 16 pin for connection to 15 pin adapter	125.6200

SET - Presence, reset panel, 1 presence button, buzzer — 125.8110S

Presence reset panel with buzzer.

Characteristics

- Presence button, green. With reassurance light.
- Mounted in round mounting box R1.
- The volume of the acoustic signal transmitter can be set in two stages.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 20 mm
- Weight: 49 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL base module buzzer VDE	125.0002
1	VL Base module with button	125.0100
1	VL Button actuator pin	125.0110
1	VL Button cap presence 1, green (component of 127.2040)	
1	VL Cover plate, 1 button	125.3100
5	Terminal clamp connector	141.5840

SET - Call panel — 125.8120S

Call panel.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 20 mm
- Weight: 47 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with button	125.0100
1	VL Button actuator pin	125.0110
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate, 1 button	125.3100
4	Terminal clamp connector	141.5840

SET - Reset panel — 125.8130S

Reset panel.

Characteristics

- Cancel button, green.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 20 mm
- Weight: 47 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 3 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with button	125.0100
1	VL Button actuator pin	125.0110
1	VL Button cap reset, green (component of 127.2060)	
1	VL Cover plate, 1 button	125.3100
4	Terminal clamp connector	141.5840

SET - Call, presence reset panel, buzzer 125.8230S

Call and presence reset panel with buzzer.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Presence button, green. With reassurance light.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 20 mm
- Weight: 54 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL base module buzzer VDE	125.0002
1	VL Base module with button	125.0100
2	VL Button actuator pin	125.0110
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Button cap presence 1, green (component of 127.2040)	
1	VL Cover plate, 2 buttons	125.3200
7	Terminal clamp connector	141.5840

SET - Call and reset panel 125.8240S

Call and reset panel.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Cancel button, green.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 20 mm
- Weight: 49 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with button	125.0100
2	VL Button actuator pin	125.0110
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Button cap reset, green (component of 127.2060)	
1	VL Cover plate, 2 buttons	125.3200
6	Terminal clamp connector	141.5840

SET - Call and reset panel with socket — 125.8300S

Call and reset panel with socket.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- Cancel button, green.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 125.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Splitter units
  - VL Radio receiver
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 20 mm
- Weight: 62 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 5 mA when idle, max. 23 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

2	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pin	125.0500
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Button cap reset, green (component of 127.2060)	
1	VL Cover plate socket, 2 buttons	125.3300
9	Terminal clamp connector	141.5840

SET - Call panel with socket — 125.8400S

Call panel with socket, 15 pin.

Characteristics

- Patient call button, red. With locating light and reassurance light.
- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 125.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Splitter units
  - VL Radio receiver
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 20 mm
- Weight: 59 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Button actuator pin	125.0110
1	VL Base module with socket, 15 pin	125.0500
1	VL Button cap nurse, red (component of 127.2000)	
1	VL Cover plate socket, 1 button	125.3400
7	Terminal clamp connector	141.5840

SET - Socket panel 125.8500S

15-pin Sub-D socket.

Characteristics

- 15-pin Sub-D socket for connection of:
  - VarioLine patient's handsets 125.xxxx with and without speech, for triggering calls, controlling radio, light control
  - Adapter for medical device, with Sub-D plug
  - Splitter units
  - VL Radio receiver
- Line monitoring/Plug removed call.
- Connection of room and bed light, control with patient's handset with light buttons.
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 19 mm
- Weight: 58 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 40
- Display: -
- Connection cable: 4x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 3 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	VL Base module with socket, 15 pin	125.0500
1	VL Cover plate socket	125.3500
7	Terminal clamp connector	141.5840

SET - Pull cord panel 125.8600S

Pull cord panel.
Component of this set:

- SET - Disabled WC equipment 138.8000S

Characteristics

- Pull cord for pull cord panel (white), with handle (red), for patient call. With reassurance light (LED, yellow).
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 19 mm
- Length of pull cord: 1,6 m
- Weight: 78 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 42
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	Cord for pull switch	002.24
1	VL Base module pull switch	125.0600
4	Terminal clamp connector	141.5840

SET - Pull cord panel, pull cord 3 m — 125.8601S

Pull cord panel with 3 m cord.

Characteristics

- Pull cord for pull cord panel (white), with handle (red). With reassurance light (LED, yellow).
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 19 mm
- Length of pull cord: 3 m
- Weight: 90 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 42
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	Pull cord for pull cord panel length 3m	002.243
1	VL Base module pull switch	125.0600
4	Terminal clamp connector	141.5840

SET - Pneumatic panel — 125.8610S

Pneumatic panel.

Characteristics

- Pneumatic ball and tube assembly for patient call. With reassurance light (LED, yellow).
- Mounted in round mounting box R1.

Technical data

- Colour (cover plate): pure white (RAL 9010)
- Material (cover plate): plastic (PC+ABS)
- Dimensions (WxHxD): 80 x 80 x 29 mm
- Length of tube: 2 m
- Weight: 172 g
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- IP code: IP 42
- Display: -
- Connection cable: 2x2x0.6
- Connection type: terminal clamp connectors
- Power consumption: 4 mA when idle, max. 13 mA
- Operating voltage: 19 to 28 V DC
- Licensed in accordance with DIN VDE 0834.

Set components

1	Pneumatic ball and tube assembly	092.006
1	VL Base module with pneumatic switch	125.0610
4	Terminal clamp connector	141.5840

Bulb 24 V/3 W, white W2.1x9.5d — 130.9500

Wedge base lamp W2.1x9.5d for insertion in overdoor lights. For optical signalling of:

- WC call

Suitable for:

- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data

- Dimensions (WxH): 10.3 x 28 mm (W2.1 x 9.5d)
- Weight: 1 g
- Type: T3 1/4 - 10 mm glass bulb
- Life: approx. 1000 hours
- Electric power: 3 W

Bulb 24 V/3 W, red W2.1x9.5d — 130.9520

Wedge base lamp W2.1x9.5d for insertion in overdoor lights. For optical signalling of:
- Call
- Emergency call

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Dimensions (WxH): 10.3 x 28 mm (W2.1 x 9.5d)
- Weight: 1 g
- Type: T3 1/4 - 10 mm glass bulb
- Life: approx. 1000 hours
- Electric power: 3 W

Bulb 24 V/3 W, green W2.1x9.5d — 130.9540

Wedge base lamp W2.1x9.5d for insertion in overdoor lights. For optical signalling of:
- Presence 1
- Stored calls

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Dimensions (WxH): 10.3 x 28 mm (W2.1 x 9.5d)
- Weight: 1 g
- Type: T3 1/4 - 10 mm glass bulb
- Life: approx. 1000 hours
- Electric power: 3 W

Bulb 24 V/3 W, yellow W2.1x9.5d — 130.9560

Wedge base lamp W2.1x9.5d for insertion in overdoor lights. For optical signalling of:
- Presence 2
- Service call
- Telephone call from decentral answer station

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Dimensions (WxH): 10.3 x 28 mm (W2.1 x 9.5d)
- Weight: 1 g
- Type: T3 1/4 - 10 mm glass bulb
- Life: approx. 1000 hours
- Electric power: 3 W

LED lamp, 24 V/20 mA, white, for overdoor light — 130.9600

LED lamp for insertion in overdoor lights. For optical signalling of:
- WC call

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: white
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 41 x 22 x 20 mm
- Weight: 13 g

LED lamp, 24 V/20 mA, red, for overdoor light — 130.9610

LED lamp for insertion in overdoor lights. For optical signalling of:
- Call
- Emergency call

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: red
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 41 x 22 x 20 mm
- Weight: 13 g

LED lamp, 24 V/20 mA, green, for overdoor light — 130.9620

LED lamp for insertion in overdoor lights. For optical signalling of:
- Presence 1
- Stored calls

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: green
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 41 x 22 x 20 mm
- Weight: 13 g

LED lamp, 24 V/20 mA, yellow, for overdoor light — 130.9630

LED lamp for insertion in overdoor lights. For optical signalling of:
- Presence 2
- Service call
- Telephone call from decentral answer station

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: yellow
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 41 x 22 x 20 mm
- Weight: 13 g

LED lamp, 24 V/20 mA, blue, for overdoor light — 130.9640

LED lamp for insertion in overdoor lights. For optical signalling of:
- Cardiac call

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: blue
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 41 x 22 x 20 mm
- Weight: 13 g

LED Lamp, 24 V/20 mA, red/white, for overdoor light — 130.9660

LED lamp for insertion in overdoor lights. The lamp is two-tone for two colours in one luminous field. This requires the corresponding electronics.
Red for the optical signalling of:
- Call
- Emergency call

White for the optical signalling of:
- WC call

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: red and white
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 41 x 22 x 20 mm
- Weight: 13 g

LED Lamp, 24 V/20 mA, blue/white, for overdoor light — 130.9670

LED lamp for insertion in overdoor lights. The lamp is two-tone for two colours in one luminous field. This requires the corresponding electronics.
Blue for the optical signalling of:
- Cardiac call

White for the optical signalling of:
- WC call

Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Life: at least 50,000 hours
- Power consumption: 20 mA
- Suitable for dc and ac voltage
- Colour: blue and white
- IP code: IP 40
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 41 x 22 x 20 mm
- Weight: 13 g

Buzzer for overdoor light — 130.9680

Instead of the presence lamp, the buzzer for the overdoor light can be connected to the 4th lamp position of the overdoor light. The buzzer behaves like a buzzer in a presence panel that is connected to this overdoor light.
Suitable for:
- SET - Overdoor light without electronics F1 138.0100S
- SET - Overdoor light without electronics F1, deep mounting frame, white 138.0110S
- SET - Overdoor light with electronics F1 138.1100S
- SET - Overdoor light with electronics F1, deep mounting frame, white 138.1110S

Technical data
- Frequency: 2400 Hz
- Volume: 45 to 65 dbA at 2 m distance (can be set with electronics)
- Ambient temperature: 5 to 40 °C
- Relative humidity: max. 85 %, non-precipitating
- Dimensions (WxHxD): 20 x 40 x 24 mm
- Weight: 8 g
- Weight: 9 g

5.2 Other parts with stock code number 125.xxxx

Article	Stock code number
VL Base module with button	125.0100
VL Base module with socket, 15 pin	125.0500
VL Base module with socket, 15 pin, VDE, connection with clamps	125.0510
VL Base module with socket, 15 pins, mini-DIN, VDE, connection with clamps	125.0520
VL Base module with socket, 15 pin, VDE, connection with ribbon cable	125.0550
VL Base module with socket, 26 pin, VDE, connection with ribbon cable	125.0560
VL Base module with socket, 15 pins, mini-DIN, VDE, connection with ribbon cable	125.0570
VL Base module pull switch	125.0600
VL Base module with pneumatic switch	125.0610
VL Base module with socket for a medical supply unit, 15 pin, VDE	125.0701
VL Base module with socket for a medical supply unit, 26 pin, VDE	125.0710
VL Base module with socket for a medical supply unit, 15 pins, mini-DIN, VDE	125.0720
VL Cover plate	125.3000
VL Cover plate, 1 button	125.3100
VL Cover plate, 2 buttons	125.3200
VL Cover plate socket, 2 buttons	125.3300
VL Cover plate socket, 1 button	125.3400
VL Cover plate socket	125.3500
VL Cover plate for pull switch/pneumatic switch	125.3600
VL Cover plate for socket in medical supply unit	125.3700
VL Cover plate for socket and 1 button in medical supply unit	125.3710
VL Cover plate for socket and 2 buttons in medical supply unit	125.3720
VL Adapter frame S1 (also fits MK style boxes)	125.4100
Patient´s handset, 1 call button, 2 light buttons, radio/TV control	125.5040
Multiple pendant push button, 2 light buttons	125.5310
Multiple pendant push button, 1 light button	125.5400
Pendant pear push button	125.5500
VL Retaining bracket with magnet and mounting accessory	125.5802
Cable extension, 3 m, for VL patient´s handsets	125.5861
VL Plastic housing for base module	125.6030
VL Patient handset, 1 call button, only for adapter for medical device, electrically isolated	125.6120IP
SET - Call reset panel with socket VDE	125.7300S
SET - Call panel with socket VDE	125.7400S
SET - Call panel, socket 15 pin, socket mini-DIN, VDE	125.7410S
SET - Socket panel VDE	125.7500S
SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter	125.7921S
SET - Call panel, 2 sockets 15/26 pins, socket mini-DIN, VDE, ribbon cable, telephone adapter, MSU	125.7931S
SET - Buzzer panel	125.8000S
SET - Presence, reset panel, 1 presence button	125.8100S
SET - Presence, reset panel, 1 presence button, buzzer	125.8110S
SET - Call panel	125.8120S
SET - Reset panel	125.8130S
SET - Call, presence reset panel	125.8220S
SET - Call, presence reset panel, buzzer	125.8230S

Article	Stock code number
SET - Call and reset panel	125.8240S
SET - Call and reset panel with socket	125.8300S
SET - Call and service call panel with socket	125.8310S
SET - Call panel with socket	125.8400S
SET - Socket panel	125.8500S
SET - Pull cord panel	125.8600S
SET - Pull cord panel, pull cord 3 m	125.8601S
SET - Pneumatic panel	125.8610S
SET - Call panel with socket	127.8400S
TV Interface Philips LCD TV	131.1040

5.3 medifon 2010

Article	Stock code number
Flush mounting box E1 (brickwork)	001.11
Flush mounting box E2 (brickwork)	001.12
Flush mounting box E1 (cavity wall)	001.150
Flush mounting box E2 (cavity wall)	001.160
Plug pink 4p	006.16
Square overdoor light E1	010.12
Group light, 2 way	010.14
Follow-me directional light, 1 way	010.16
Group light, 4 way	010.40
Group light, 6 way	010.41
Group light, 8 way	010.42
Group light, 10 way	010.43
LED festoon lamp 24 V/20 mA, red	013.001
LED festoon lamp 24 V/20 mA, yellow	013.002
LED festoon lamp 24 V/20 mA, green	013.003
LED festoon lamp 24 V/20 mA, blue	013.004
LED festoon lamp 24 V/20 mA, white	013.005
Festoon lamps 24 V/3 W, white	013.018
Festoon lamps 24 V/3 W, green	013.018GN
Festoon lamps 24 V/3 W, red	013.018RT
Festoon lamps 24 V/5 W, white	013.022
Festoon lamps 24 V/5 W, blue	013.022BL
Festoon Lamps 24V/5W Yellow	013.022GE
Festoon Lamps 24V/5W Green	013.022GN
Festoon Lamps 24V/5W Red	013.022RT
Pushbutton cap removal tool	013.062
Diffuser for triangular lights	013.16
Transformer unit 230 V/24 V/25 VA	015.050
Transformer unit 230 V/24 V/100 VA	015.051
Transformer unit 230 V/24 V/250 VA	015.052

Article	Stock code number
Transformer unit 230 V/24 V/400 VA	015.053
Pneumatic ball and tube assembly	092.006
Square button cap, red	092.202
Square button cap, green	092.203
Square button cap, red - nurse symbol	092.221
Square button cap green - presence	092.222
Button cap square, green - Pressence 1 (092.226)	092.226
Bedhead socket 28p/ 6p/4p E2	092.4212
Round flush mounting box R1	093.191
Round cavity mounting box R1	093.192
Round flush mounting box R2	093.194
Round cavity mounting box R2	093.195
Call unit with pear push socket R1	093.202.3
Patient handset non-speech 28p	093.301
Multi-pear push switch 3m 1L 6p	093.302
Multi-pear push switch 3m 1L 28p	093.308
Patient handset (speech) TV / jack skt 2L/28p	093.323
Patient handset (speech) TV / jack skt 2L/28p	093.330
Flush mounting box, 1 terminal, 100x100 mm	095.191
Cancel panel with room electronics	110.0150
Pear push switch 3m 6p	110.051
Pear push switch 5m 6p	110.052
Terminal block set for room sig. lights - 2x11 way	110.063
Adapter plate E1 to squareline R1	110.087
Adapter plate E2 to squareline 2xR1	110.088
Interface Medicall 800 - medifon 2010	130.6910
Kit for Interface Medicall 800 - medifon 2010, answering station variant 2/3	130.6920
Care communication server	130.8930
Terminal clamp connector, 400 units	130.910
Connection unit for radio communication system	140.190
4 x SPCO relays 24V ac/dc operation, 3.15A fuse & holder - DIN rail mounting	140.1930
Insert code blue (paper)	140.732
Surface frame for rear entry wiring S3	141.5150
Remote LCD module S1	141.525
Metal installation box S3	141.5810
Terminal clamp connector	141.5840
Comand plate	141.7240
Display plate	141.7250
Display plate, white	141.7251
Bolt	141.7260
Button cap presence 1, green for communication terminal	141.7290
Blind cap for communication terminal	141.7340
Button cap scroll, grey for communication terminal	141.7370
Button cap function, grey for communication terminal	141.7380
Surface mounting frame E1	201.41

Article	Stock code number
Cable for telephone relay	206.550
Telephone relay	206.61
SW Medicall 800/medifon 2010 mediLog	240.550

5.4 medifon 2010 security

Article	Stock code number
Flush mounting box E1 (brickwork)	001.11
Flush mounting box E2 (brickwork)	001.12
Flush mounting box E1 (cavity wall)	001.150
Flush mounting box E2 (cavity wall)	001.160
Square overdoor light E1	010.12
Group light, 2 way	010.14
LED festoon lamp 24 V/20 mA, red	013.001
LED festoon lamp 24 V/20 mA, yellow	013.002
LED festoon lamp 24 V/20 mA, green	013.003
LED festoon lamp 24 V/20 mA, blue	013.004
LED festoon lamp 24 V/20 mA, white	013.005
Festoon lamps 24 V/3 W, white	013.018
Festoon lamps 24 V/3 W, green	013.018GN
Festoon lamps 24 V/3 W, red	013.018RT
Festoon lamps 24 V/5 W, white	013.022
Festoon lamps 24 V/5 W, blue	013.022BL
Transformer unit 230 V/24 V/25 VA	015.050
Transformer unit 230 V/24 V/100 VA	015.051
Transformer unit 230 V/24 V/250 VA	015.052
Transformer unit 230 V/24 V/400 VA	015.053
Three punch screwdriver	095.181
Three punch screw for Cell Terminal 2010 (095.551, 095.552, 095.553, 095.554), M3x12mm	095.184
Flush mounting box, 1 terminal, 100x100 mm	095.191
Key for keyswitch, spare	095.193
ZT Cell terminal flush box (stainless steel)	095.5560
Care communication server	130.8930
Connection unit for radio communication system	140.190
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Earpiece complete	005.25
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Transformer unit 230 V/24 V/100 VA	015.051
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Square button cap green - presence	092.222
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Round button yellow (light)	092.282
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Round cavity mounting box R1	093.192
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L - Push button, mag. RD 4 x 21 100 Ohm	100800
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Square button yellow	114739
Earpad for headphones	115.352
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office.tycofis.at@tycoint.com

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