



VISOCALL IP. Room Terminal ZTD-B/ZT-B.

User Manual.

HEALTH CARE

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S E C O N E T

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1. Overview

1.1 Roomterminal ZTD-B - with display



1.2 Roomterminal ZT-B - without display



2. General

2.1 Parts

- Display (optional)
- Interactive function keys
- Presence key for care staff
- Presence key for doctor
- Call key for care staff
- Doctor call and/or heart alarm key

2.2 Explanation of devices

Room terminal with display (ZTD-B)

Terminal with display in every important room, for call triggering, call cancellation, call forwarding, call querying and presence marking.


Roomterminal without display (ZT-B)

Terminal in every important room, for call triggering, call cancellation, call forward-ing, call query-ing and presence marking.

Caution:

In the following operating instructions you will see illustrations with displays, which therefore naturally are only applicable for room terminals with displays. However, all chapters apply equally to both types of terminal!

3. Display in standby



09:34:10
17.09.2009

4. Presence marking

4.1 2 Variations

Presence marking indicates, by means of light signals for each room on the corridor and by being displayed on the room terminal, in which rooms staff members are present. Up to two different presence markings can be activated on the room terminals:

- Care staff green 
- Doctor blue 

The corresponding reassurance LED also lights up once the presence key has been pressed.

Triggering and Control Signal

You press the relevant presence key on the room terminal upon entering a room. The reassurance LED of the key pressed lights up.

Moreover, the accompanying room lamp for the relevant key lights up on the corridor.

Cancellation

Press the previously pressed presence key again when leaving the room.


Notes

Presence marking is used in preparation for emergency calls, doctor calls and heart alarms, as well as call forwarding. It is very important for care procedures and should always be set when entering a room and cancelled when leaving the room again.


The function of a presence key for the doctor  is also available optionally, and you can decide whether they should be activated or disabled in the case of your application.

5. Calls

5.1 Call from the room terminal

The call from the room terminal is made using the red key with a nurse symbol  on it.


Triggering and Control Signal

You press the red call key  on the room terminal. The reassurance LED of the key lights up.



Indication

The red room lamp on the corridor lights up. The location from where the call was made appears on the display of the other room terminals, communications terminals and ward terminals where presence has been set. An acoustic signal with a slow call tone also sounds.

Call cancellation

The call can only be cancelled from the place that it was made from, by pressing the presence key .

5.2 Emergency call from the room terminal

The emergency call from the room terminal is made using the red key  with a nurse symbol on it. Set presence is a prerequisite for the emergency call. An emergency call can only be cancelled in combination with the presence key .


Triggering and Control Signal

Press the red call key on the room terminal. The reassurance LED of the key lights up.

Indication

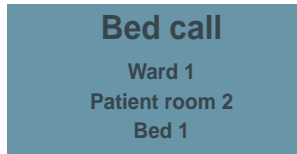
The red room call lamp on the corridor blinks. The location from where the emergency call was made appears on the display of the other room terminals, communications terminals and ward terminals where presence has been set. An acoustic signal with a fast call tone also sounds.

Call cancellation

The emergency call can only be cancelled from the place that it was made from, by pressing the presence key  again.

5.3 Bed Call

The bed call is a call made by a patient from their bed using a handheld unit. The call applies to you and is displayed on all room terminals with display, as well as on the communications terminal and the ward terminal where presence has been marked. It can not be queried from the room terminal.



Triggering and Control Signal


The patient presses the red call key on his/her handheld unit.

The reassurance LED for the relevant key on the handheld unit lights up.

Indication

The red room lamp on the corridor lights up. The location from where the call was made appears on the display of the room terminal. An acoustic signal with a slow call tone also sounds.

Call cancellation

The call can only be cancelled from the place that it was made from, by pressing the presence key .

5.4 Bed Emergency Call

The bed emergency call is a call made by a member of care staff from the patient's bed using a handheld unit. The call applies to your colleagues and is displayed on all room terminals with display, as well as on the communications terminal and the ward terminal where presence has been marked. It can not be queried from the room terminal.



Triggering and Control Signal


You press the red call key on the handheld unit.

The reassurance LED for the relevant key on the handheld unit lights up.

Indication

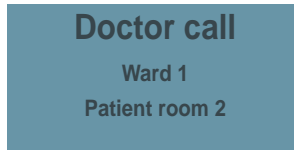
The red room call lamp on the corridor blinks. The location from where the call was made appears on the display of the room terminal. An acoustic signal with a fast call tone also sounds.

Call cancellation


The call can only be cancelled from the place that it was made from, by pressing the presence key .

5.5 Doctor call (optional)

This is the call, which you trigger from the room terminal, if you need to summon help from a doctor. The call is made when nurse presence has been set, is intended for the doctor and is displayed on room terminals or communications terminals (where doctor presence has been set) and on the ward terminal.



Triggering and Control Signal

You press the blue doctor call key  on the room terminal.

The reassurance LEDs of the doctor call key  and the doctor presence key  flash.


Indication

The blue room call lamp on the corridor flashes. The symbol for a doctor call appears in the call list on the display of the ward terminal. When doctor presence has been set at the ward terminal, an audio signal with a quick call rhythm is also emitted. The green presence marking in this room from where the call has been made remains as before.

Call forwarding

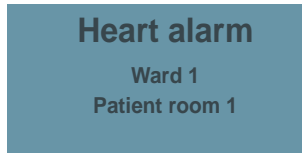
Audio signal in quick call rhythm as well as indication of call type and call location on the ward terminal's display and on the displays of all room terminals, at which the doctor has set his/her presence. The reassurance LED of the query key in the affected room terminal also lights up.

Call cancellation


The call can only be cancelled from the place that it was made from, by pressing the presence key .

5.6 Heart alarm (optional)

The heart alarm is the call, which you trigger from the room terminal, if you need to summon help from an emergency team. The call occurs when nurse presence is set, is intended for the doctor and/or the emergency team and is displayed for the people it is destined for at the ward terminal or at the room terminals.



Triggering and Control Signal

You press the blue doctor call/heart alarm key  on the room terminal.

The reassurance LEDs of the doctor call key  and the doctor presence key  flash.


Indication

The blue room call lamp on the corridor flashes. The symbol for a heart alarm appears in the call list on the display of the ward terminal. When presence has been set at the ward terminal, an audio signal with a quick call rhythm is also emitted. The green presence marking in this room from where the call has been made remains as before.

Call forwarding

Audio signal in very quick call rhythm as well as indication of call type and call location on the ward terminal's display and on the displays of all room terminals, at which presence has been set.

Call cancellation

The call can only be cancelled from the place that it was made from, by pressing the presence key .

6. Display settings

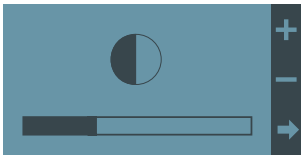
Using the three interactive keys, to the right of the display on the room terminal, the display can be controlled. The bottom one of the three interactive key takes you into a submenu, in which the brightness, contrast and volume of this terminal can be set. If the settings are as you wish them to be, then you can close this submenu by pressing the bottom key, on the right hand side next to the symbol → or ↵.

6.1 Brightness



- You can increase the brightness using the top key
- while you can reduce the brightness of the display with the middle key. You return to the main
- menu by pressing the bottom key.

6.2 Contrast



- You can increase the contrast using the top key
- while you can reduce the brightness of the display with the middle key. You return to the main
- menu by pressing the bottom key.

6.3 Volume



- You can increase the volume using the top key
- while you can reduce the volume of the display with the middle key. You return to the main
- menu by pressing the bottom key.

7. Priority Scheme

The described call types are ordered according to a priority scheme. An automatic mechanism ensures, that in the event of different types of call being made at the same time that the highest priority call is put through to you as querying nursing staff member first of all. This automatic mechanism is particularly important for displaying calls at room terminals

Under the assumption that „level 1“ is the highest priority call type, the following structure exists:

Level 1	Heart alarm
Level 2	Diagnostic call
Level 3	Diagnostic disconnection call
Level 4	WC emergency call
Level 5	WC call (bath call)
Level 6	Doctor call
Level 7	Room emergency call
Level 8	Bed emergency call
Level 9	Disconnection call
Level 10	Room call
Level 11	Bed call
Level 12	Service call

If, for example, there are simultaneously a bed call (level 11) and a WC call (level 5), then the WC call is indicated first on the displays of all terminals at which presence has been set.

8. Automatic Safety Functions

The integrated safety features in the VISOCALL IP nursecall system prevent important functions from being obstructed. These include settling of call forwarding, time-dependent call forwarding and termination of calls as well as saving of data in the event of a power failure.

8.1 Regulated call forwarding

If an outstanding call is queried, then it is no longer indicated at other query locations. Further calls are however signalled again at these query locations again. A conversation can neither be influenced nor terminated from another location.

8.2 Automatic call termination

If a speech connection that has been established is not manually terminated at the end of the conversation, then the system automatically terminates the speech connection after approx. 2 minutes.

8.3 Data storage

Every room terminal permanently saves its current state and resets it once the power supply interruption is over:

All call signals and other signals, which are pending when the power failure occurs, and which are missing for the duration of the power failure, are automatically reactivated when the power supply returns.

If the power supply failure occurs during a conversation, then a reminder is automatically set for the room from which the call was made when the power returns.

9. Cleaning and Disinfection

For system components of the VISOCALL IP product family, without exception, only disinfectants should be used that do not contain either in part or in full ketones or esters. For the disinfection process only disinfection by wiping should be carried out - and not disinfection by submersion.

10. Operation and Maintenance

Operation of the VISOCALL IP call system is subject to the conditions of article 9 of the standard DIN VDE0834 part 1. We would therefore take this opportunity to point out that this article requires among things that periodical inspections and maintenance are carried out, which we will gladly carry out on your behalf.



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