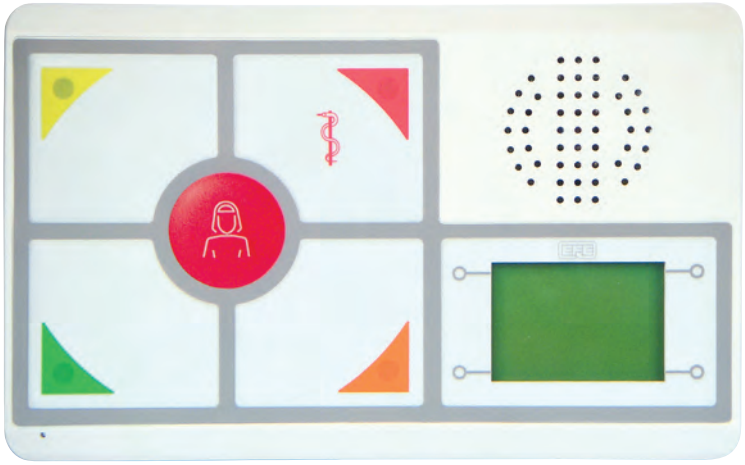
People Are Our Priority

Nurse Call Systems



>multicall MP2

>multicall basic

Safety without compromise -

Systems for hospitals

senior citizen's homes

care homes

Designed and made in Germany

Compliant with DIN VDE 0834 and ZVEI:

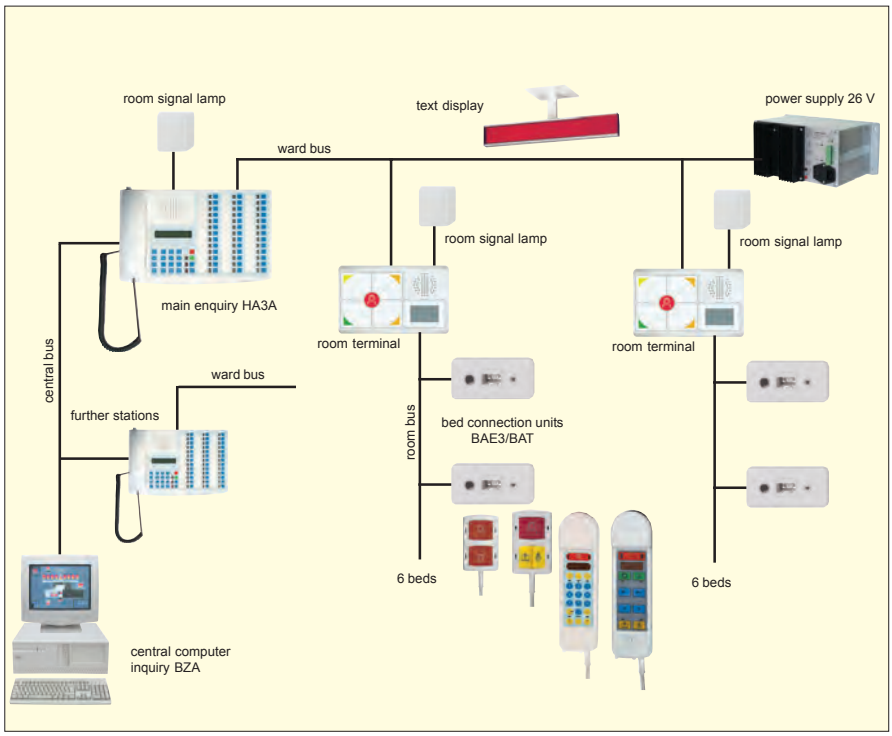
multicall MP2 **and** ***multicall basic*** **combines conventional light call systems with extensive functions of modern call and communication systems, in order to fullfill the versatile requirements in hospitals, senior citizens' residences and nursing homes.**

Typical for our overall concept is the absence of a central control unit.

The entire installation is made only by demand dependenting, simple chaining the desired components and modules.

The room terminals have an outstanding function, because all local events and active states are stored there decentrally.

Two room terminals connected via a voltage supplied ward bus are already a completely functioning nurse call system with all features.



Each room terminal is a central switch and monitoring unit for all direct or via **room bus** connected devices in the room, at the patient beds and in the **sanitary facilities.**

The **bed connection units** in the **patient room** connect via the room bus the different patient handsets with the room terminals. Up to six of such devices per room can be connected to this bus. Each version can be delivered with telephone system modules, so that a patient handset, equipped with a numeric keypad, turns simultaneously into an end equipment of the telephone system.

The present overview shows only a very small and special part of our extensive product offer.
Here we have selected only some few devices, which, according to experience, cover completely the wanted demand of organization and safety.
For planning please use only our complete product information!

BASE FUNCTIONS

Calling the nurse or the attendant
from the room
from the bed
from the wet cell

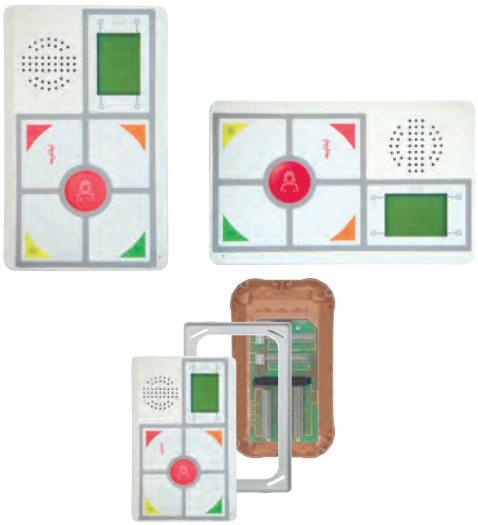
Nurse help call for another nurse (without urgency)
Nurse emergency call
Device alarm
Doctor call / cardiac alarm
Radio paging

Call reminding for nurse 1, nurse 2 and doctor
Call forwarding to the whereabouts of the responsible nursing personnel
with speaking
without speaking

DECT - call forwarding with or without speaking, activating of call remindings

Telefone **Television** **Light**

ROOM TERMINAL ZT4



Room terminal with display for use as a decentralised call, operation and communication terminal with intercom facility in the patient´s room, with integrated control and monitoring of all room functions. The terminal is connected to the ward bus and monitors all direct or via room bus connected devices.

Dimensions : 160x255x25 mm (WxHxD) Colour : RAL 9010

Type :	Article number
Room terminal ZT4W, horizontally mounted	***LI001061***
Room terminal ZT4S, vertically mounted	***LI001062***

Room distributor VZT2	***FC005100***
Mounting frame	***FC005101***
Flush-mounted box	***LI009003***
Cavity-wall box	***LI009013***
Mounting set flush-mounted / cavity-wall-mounted	***LI004020***

ROOM TERMINAL MZT3/MZT4

Room terminal with touch-sensitive keyboard for rooms without intercom, for nurse call and acoustic call forwarding during activated nurse attendance, alternatively with display for optical call forwarding. The terminal is connected to the ward bus and monitors all direct or via room bus connected devices.
The terminal is suitable for flush-mounted installation in double switch boxes or for surface installation in wall-mounted boxes.

Dimensions: 160x80x12 mm (HxWxD) Colour : RAL 9010

Type :	Article number
Room terminal MZT4	***LI001049***
Room terminal MZT3	***LI001047***

Room terminals can also be delivered additionally with a doctor call and a doctor attendance switch.

Type :	Article number
Room terminal MZT4-A	***LI001055***
Room terminal MZT3-A	***LI001048***

MULTICALL TERMINAL MCT4 (MULTICALL BASIC)

Multicall basic transfers the functions of the room terminal and the appropriate installation into a room signal lamp, which is mounted in the corridor.
The terminal MCT4 includes the complete control electronics and the room signal lamp (white/red/green).
It is connected directly to the ward bus and monitors all in the room and all on the room bus connected devices.
The terminal can be mounted in a simple installation box.

Type :	Article number
Multicall terminal MCT4	***LI001070***

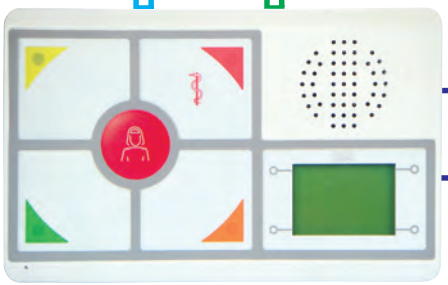
ROOM EQUIPMENT (WITH SPEAKING)

signal lamp for corridor and WC

red = call/emergency call from a room
green = attendance and reminder, nurse 1
yellow = attendance and reminder, nurse 2
orange = call, attendance and reminder for doctor
white = call from a wet cell

ward bus

radio program signals



Room terminal ZT4

room bus

bed connection unit BAE4, BAT
maximum 6 beds

patient's handset BG4

patient's handset BG4-M

handheld switch TT4

handheld switch MT4

call pushbutton RT4

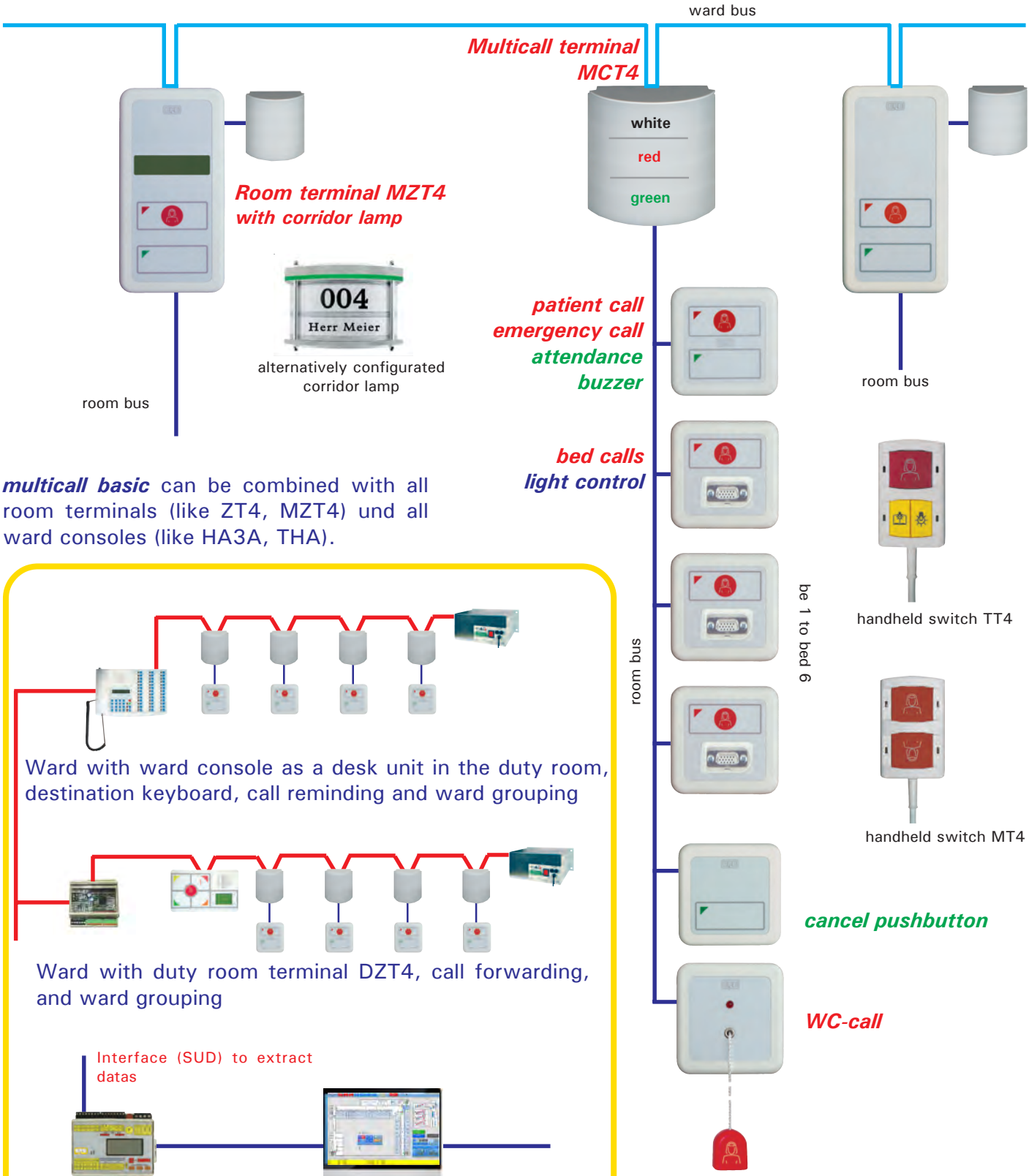
pull cord call switch ZRT4

pneumatic call switch PRT4

call pushbutton with cancel pusbutton (nurse attendance) RAT4

cancel bushbutton AT4

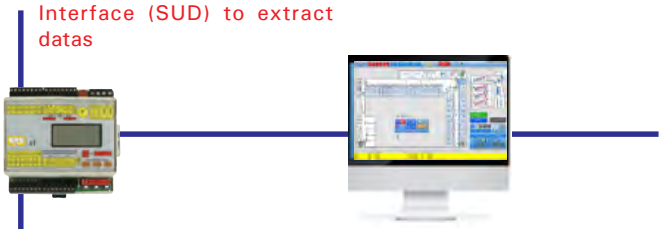
ROOM EQUIPMENT (WITHOUT SPEAKING)



multicall basic can be combined with all room terminals (like ZT4, MZT4) und all ward consoles (like HA3A, THA).

Ward with ward console as a desk unit in the duty room, destination keyboard, call reminding and ward grouping

Ward with duty room terminal DZT4, call forwarding, and ward grouping



BED CONNECTION UNIT

Bed connection unit for patient handsets or handhelds with automatic self-ejection if pulled sideways, to trigger patient calls or nurse emergency calls, with a connection to trigger equipment alarms, connections for additional parallel devices for calling and cancelling, and a headphone connection. The device runs on the room bus and is suitable for installation in a dual switch box or wall mounted housing or is intended for standardised installation in medical supply units. With an additional module the patient handset becomes an analogue telephone.
Cover plate: 160x80x12 mm Colour: RAL 9010

Type :	Article number
Bed connection unit BAE4	***LI002065***
Bed connection unit BAE4-B (supply units)	***LI002066***
Bed connection unit BAT4 (Telephone)	***LI002067***
Bed connection unit BAT4-B (Telephone)	***LI002068***

Bed connection unit with call button for direct connection to the room bus of a room terminal, connection for handhelds MT4 or TT4, switching two lighting circuits and for installation in single installation boxes.
Cover plate 80x80x12 mm Colour: RAL 9010

Type :	Article number
Bed connection unit *BE*	***LI005047***

HANDHELD SWITCHES AND PATIENT HANDSETS

Handheld switch MT4 for patient call and nurse emergency call with two large call switches

Handheld switch TT4 switch with three large switches for patient call/ nurse emergency call and for switching the reading and room light

Patient handset BG4-M with touch-sensitive keyboard representing a universal control unit for
- call and nurse emergency call, nurse intercom,
- radio programs on/off, TV set on/off,
- program switching, forwards/backwards,
- volume high/low,
- lighting circuit control for reading light / room light,
- four-digit display for system-dependent indication of program, time of day and charges

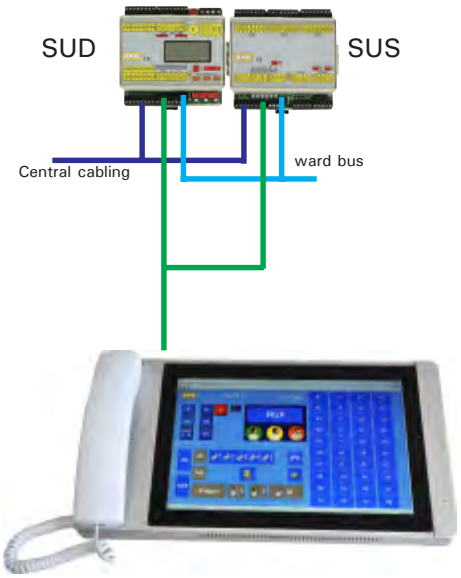
Patient handset BG4 as for BG4-M, but with numeric touch-sensitive keyboard for telephone operation and program selection, special key for menu selection of further functions.
All handsets have a connection cable of 2.7 m
Dimensions 210(93) x 60 x 28 mm (HxWxD) Colour : RAL 9010

Type :	Article number
Handheld switch MT4	***LI005071***
Handheld switch TT4	***LI005072***
Patient handset BG4	***LI005073***
Patient handset BG4-M	***LI005077***
Holder KOE (for patient handset or handheld switch)	***LI009011***

WARD CONSOLES

Ward console as a desk unit for the nurse duty room as communication center between nursing personnel and patient for the continuous and from all sides viewable single display point for the complete call and attendance distribution within the ward. It serves the specific or automatic call enquiry of all calls from the ward, for the call enquiry over all wards by means of ward grouping, for the individual room and bed communication via two-way intercom between nurses and patients and for specific announcements in all rooms or in rooms with personnel in attendance. All switches are touch-sensitive. At the same time, the ward console contains all interface components for the ward-by-ward connection of intercom and data from the ward bus to the central bus system. All functions and addresses are menu-driven and programmable via keys and display.
Automatic switch over from handsfree to discrete communication by lifting the headset (both with adjustable volume).
Dimensions : 330x220x65 mm (WxDxH) Colour: RAL9010

Type :	Article number
Ward console HA3A	***LI003002***



Tablet-PC with handset as ward console in a aluminium chassis to be connected to a zone transfer unit (SUS/SUS) with all described characteristics above of the conventional ward console HA3A. Though all buttons and displays were assumed by a touchscreen.

Typ :	Artikelnummer
Tablet-Main inquiry THA	***LI003003***

Zone coupling unit between the ward bus (zone cabling) and the central cabling, to create a single system out of standalone zone-based networks for grouping or for central operation and monitoring. Installed in each zone where the ward bus SLZ intersects with the central cabling ZLZ.

Type :	Article number
Zone transfer unit (data) SUD	***LI003015***
Zone transfer unit (speech) SUS	***LI003016***

SCREEN BASED MASTER CONSOLE BA

Screen based master console in midi tower or 19“-housing used as a central master console, section master console or ward console. The unit has to be connected with the central cabling via SUD/SUS zone transfer unit. Package contents include the master console, keyboard, mouse and connecting cable (3 m). The program for screen based master stations – BZA WinNet – is used to display call and alarm states. The display uses a floor plan graphic based on coloured screen areas according to the signal types, signal colours and priorities as defined in VDE 0834. A mouse is used to process calls and alarms directly and interactively.

Type :	Article number
Screen based master console BA (Tower)	***JV003050***
Screen based master console BA (19“)	***JV003051***
Monitor LCD22“	***EF006047***
Software (WinNet, screen layouts, etc.)	***depends on project***

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in the penal system

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Blocking of mobile phones

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Published by :
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Edition : May 2015

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