

**CEREDA**  
— SYSTEMS —

**#nursecallevolved**

**ZELO FL24 - INTELLIGENT. SECURE. DECENTRALIZED.**



DIN VDE 0834  
DIN EN 60601-1  
2013:12

## FUTURE-PROOF SOLUTIONS

Cereda Systems provides future-proof solutions in care facilities, hospitals, residential complexes and facilities for people with disabilities. The ZELO FL24 nurse call system reflects decades of experience by incorporating the ideas of users, installers and planners. The result is a modern, flexible and robust technology in accordance with current standards and regulations.

Development, production and logistics under one roof cut down on overhead, benefiting both system partners and end customers. And if it ever happens that a request cannot be resolved „off the shelf,“ we will quickly find a custom solution.

## BUILD YOUR DIGITAL NETWORK



Virtualization  
& Cloud Services



Mobile Communication  
& Smart Devices



Mobility  
& Localization



Remote Access  
& Monitoring

## DECENTRALIZED SYSTEM STRUCTURE FOR MAXIMUM SECURITY

ZELO FL24 nurse call system use state-of-the-art bus technology, making central control modules no longer necessary. This is very secure because all of the components monitor each other.

Expansions are incredibly easy, as new components are automatically integrated via Plug & Play. Configuration and programming can be done remotely.

- Robust CAN bus technology
- No central components
- All components are independently intelligent
- Easy installation in 60 mm flush-mounted boxes
- Simple Plug & Play commissioning
- Immediate functional check possible after installation

## INTEGRATION

Customers are constantly impressed by how easily ZELO FL24 nurse call system can be integrated into the existing infrastructure, even networking with existing nurse call systems.

- Double galvanic (2xMOPP) isolation of all interfaces
- Input and output contacts
- ESPA interfaces to alarm servers and fire alarm systems
- USB/LAN/WAN interfaces for remote access
- Virtualization
- Integration of mobile paging with localization (Indoor Positioning System, IPS)
- Connection of disorientation protection systems with person recognition
- Modules for using optical fibers (FO and POF)

## COMPONENTS

The components are tailored to the needs of users, operators and installers, while the latest technologies and standards offer comfort and safety. All display and button modules are installed in 60 mm flush-mounted boxes and connected to the room electronics via the 2-wire room bus. The connection is tool-free using plug-in terminals.



### ROOM ELECTRONICS

- Integrated in room signal light with door plate
- Easy remote programming
- Plug & Play commissioning
- Connection for 2-wire room bus
- Slot for radio receiver board
- Alternatively available as a flush-mounted module for offset installation or in a DIN rail housing for installation in telephone distribution



### ROOM DISPLAY

- LCD display with 5 lines of 12 characters each
- Special functions via yellow button, e.g. indicator light



### ROOM BUTTON

- Different versions available
- Pull and pneumatic switches for sanitary rooms
- Multifunctional magnetic plug contact (MPC) on the bed for pear button, diagnostic or radio box
- Customizable message texts



### MULTIFUNCTIONAL CALL FUNCTION AND UP TO 2-WAY LIGHT SWITCH

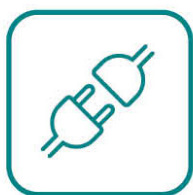
- For connection to magnetic plug contact (MPC)
- Non-destructive detachment in case of excessive tension on the cable or due to height-adjustable beds



### WRISTBAND TRANSMITTER

- Remote control of the nurse call system via body-worn alert system in the room
- Mobile call initiation with localization throughout the building

## PLUG & PLAY CONNECTION OF ACCESSORIES



Thanks to the magnetic connector, connecting devices is incredibly simple. One click and everything is ready for use, whether a step mat or an intelligent sensor. The message texts for displays, DECT mobile phones or smartphones are transmitted automatically and without programming.

- Connection for pear button is retained
- Up to 3 boxes can be cascaded
- Optional diagnostic box with double galvanic isolation according to DIN VDE 0834
- Temporary connection of wireless components in the room
- Wireless fall sensor, wireless out-of-bed systems etc.



Standardized  
868.3 MHz radio  
frequency

Quick connection  
of accessories

Caregivers are  
delighted that it's  
so simple

## AI SENSORS & PREVENTION



### **cogvisAI – The smart care solution**

cogvisAI can detect and analyze movements in space using intelligent 3D smart sensors. In critical situations an alarm is triggered. The connection to the ZELO FI24 nurse call system is Plug & Play via the wireless box. Alarms are conveniently displayed in plain text within the call system and forwarded to mobile devices (DECT mobile phones or smartphones).

Not every room needs to be equipped with a sensor. The mounting adapter of the standard version 1.8 and the innovative docking station allow flexible use wherever support is needed.



Prevention features help prevent more than 50% of all falls before they occur.

Falls are quickly detected and can be reconstructed & analyzed

All data is processed strictly confidentially & in compliance with the GDPR.



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