Room Terminal Connection Board for SRT/SRD

Part-No.:   74920Z1

Connection board for Systevo Room Terminal (SRT) or Systevo Room Display (SRD), to provide the required nurse call system and control functions in the resident/patient room according to the nurse call standards. Serves as a control unit for additional functions in the corresponding room and as a gateway to the overriding central unit (via Data bus).

Monitoring and synchronization of the entire data traffic to other rooms within the organizational unit, and coordination of communication with the central units and other room devices via data bus.

Configuration data of the room and used profiles (functions, I/O, device services) are managed via the system workstation/server and stored locally (redundant local flash storage), for increased safety.

Associated multifunctional room units as well as the corridor lamp, can be connected to the room controller via the integrated data bus (DBUS) as well as using the integrated call inputs (I/O).

Integration into the corridor data bus (ZBUS).

Includes a user-friendly installation technology with color-coded connection terminals for each individual device and control functions, for a more efficient cabling and for an optimized commissioning process.

In combination with SRT, supports bed-wise speech communication in combination with an optional bed/speech unit and hand-held device at the bed.

Upgradable to future system firmware thanks to advanced flash storage technologies. Possibility for automated software update during operation.

A multi-level security concept enables local call signaling in the case of a lack of communication with the central unit of the system.

Support of the cyber security requirements of modern data bus infrastructures.

System functions subject to license are provided by corresponding software licenses.

Features:

Special material properties:
- High quality plastic surface with antimicrobial compound for reduction of existing microorganisms and prevent their reproduction.
- Good mechanical properties with high resistance to daily use (operation, cleaning, disinfection, impacts, etc.).
- Suitable for use in care facilities with high demands on hygiene, stability, longevity and durability.
- Plastic (PC + ABS-FR), matt
- UV-resistant, impact-resistant
- Heat resistance, stability
- Longevity, durability, halogen free
- Flame protection (fire protection class V0)

System architecture:
- Processor/OS: Embedded µC system
- Cyber-Security: Firewall, secured boot loader function
- Configuration: via data service

Inputs/Outputs:
- 24VDC power supply
- DBUS: 2x RS487 (200 m each) for up to 4 participants each
- ABUS/ZBUS: 1x RS487 (500 m) each
- Call input/output: 1x I/O
- Connection terminals: color-coded for up to 3x 0.6 mm (2 x 0.8 mm) wires (rigid)
- Galvanic isolation of the control functions according to EN 60601.1.1 through Yl ḧYfbỦ dfcḧ YŴḃj Y˙a YŨgḯ fYg

Technical Data:

- Operating voltage: 24 VDC + / -10 %
- Quiescent current @ 24 VDC: approx. 21 mA
- Current consumption: ???
- Ambient temperature: 5 °C ... 40 °C
- Storage temperature: -20 °C ... 70 °C
- Air humidity: 10% … 90% (non-condensing)
- Type of protection: IP 20 (completely installed with associated SRT/SRD)
- Mounting: surface mounting (with associated flush-mounted backbox)
- Material: PC+ABS-FR
- Color: white
- Weight: approx. 111 g
- Dimensions: W: 94.3 mm H: 146 mm D: 25.5 mm

 Connection board, connection terminals