

Wireless wristband transmitter with RFID

Art.: ERTW0016-15



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Description:

What is a Wireless wristband transmitter with RFID?

Wireless wristband transmitter with RFID is a safety device with an emergency call button providing immediate assistance in critical situations. The RFID allows access to specific areas (as determined by staff).

Features

- **Emergency Call Button:** The wristband includes an emergency call button that, when pressed, immediately sends an alert for assistance.
- **Location Display (per room):** The wristband can transmit the wearer's location, allowing staff to pinpoint the exact room where assistance is needed.
- **Battery Alarm:** When the battery reaches 25% of its capacity, the wristband sends a signal to an external device, displaying an alert for low battery.

Benefits

- **Immediate Assistance:** Provides a quick response in critical situations, allowing for timely intervention and ensuring the wearer's safety.
- **Faster Response:** Staff can quickly identify the wearer's location and provide immediate help, reducing response time and improving overall safety.
- **Reliable Operation:** Ensures the device remains functional and ready for use by notifying staff ahead of time, preventing potential failures in critical moments.

Technical specification:

Network

- Bluetooth:
 - Version: 5.4
 - Transmission Power: 10mW (Class 2)
 - Range: Up to 10 meters (Class 2)
 - Frequency Range: 2.4 GHz ISM Band (2.402 GHz - 2.480 GHz Utilized)

Power supply

- Lithium battery - Murata CR2450R:
 - Nominal Voltage: 3V
 - Nominal Capacity: 500mAh
 - Rechargeable/Non-Rechargeable: Non-Rechargeable

Dimensions

- W:40mm / H:48mm / D:14mm*

Weight (Net)

- 40g*

Material

- Housing: ASA (UL 94 HB)
 - Sealing: TPV 50A

- Waterproof membrane keypad
- Strap: Silicon

Operating Conditions

- Operating Temperature: +5°C to +40°C
- Operating Humidity: 85%, Non-Condensing

Other

- Integrated RFID tag with RFID antenna:
 - Operating Frequency: 13.56 MHz
 - RF Protocol: ISO 14443A

Compliant and tested with CE certification requirements.

Compliant and tested with DIN VDE 0834 requirements.