

Wristband Transmitter S87 with Red or Grey Button



- Modern and attractive design
- Worn on the wrist or as a pendant
- Easy to use
- IP67 waterproof protection
- Battery lifetime up to 10 years
- Battery level monitoring
- Automatic radio daily message
- Bidirectional radio
- Optical signalling of alarm triggering and battery-empty status
- Optical signalling of receiver acknowledgement or missing receiver acknowledgement
- Optical signalling of mode status
- Repeat mode possible
- Wireless parameters programming and firmware update
- Automatic radio link monitoring according to VDE 0834

The S87 Wristband Transmitter enables the user to summon help at any time by pressing a button, directly messaging the TeleAlarm NurseCall system.

The S87 is waterproof and lightweight. The transmitters may be worn comfortably as a wristwatch, by a clip or as a pendant with an adjustable cord.

Functions

A call is activated by pressing the button on the S87 Wristband Transmitter. The LED indicator on the transmitter will confirm the alarm trigger and the acknowledgement of the call from the receiver. The care staff are immediately informed by the Nurse Call system.

A triggered alarm can be cleared directly on the S87 by a B80A or a B81 acknowledge transmitter.

The S87 Wristband Transmitter offers IP67 waterproof protection and has built-in automatic battery monitoring with battery-low transmission. To ensure correct functioning, it will send a daily automatic radio message to the receiver through radio monitoring. The S87 can be adjusted to respect the automatic radio link monitoring according to the VDE 0834 regulation.

The S87 is available with a red or grey call button.

Certifications and Approvals

RED 2014/53/EU
EMC 2014/30/EU
LVD 2014/35/EU
RoHS 2011/65/EU
WEEE 2012/19/EU
EN 62368-1 (2014 + AC :2015)
EN 62479 (2010)
EN 50130-4 (2011-06 + A1 :2014)
EN 300 220-2 V3.1.1 (2017-02)
EN 301 489-1 V2.2.2 (Final draft: 2019)
EN 301 489-3 V2.1.1 (2019)
EN 50581 (2012-09)
VDE 0834-1 (2016-06)
VDE 0834-2 (2017)

Parts Included

| Quantity | Component |
|----------|--|
| 1 | S87 Wristband Transmitter, red or grey button, including battery |
| 1 | Wristband |
| 1 | Wristholder for radio button |
| 1 | Leaflet with instructions |

| Option | |
|--------|---------------|
| 1 | Clip assembly |
| 1 | Neck cord |

Ordering information

| Part | Designation | Reference |
|-------------------------|---|-------------------|
| S87-G-NC | S87 transmitter grey button | T.240.001.469 |
| S87-R-NC | S87 transmitter red button | T.240.001.470 |
| 3V battery set | 3V lithium battery CR2430 (10 pcs) | 4.998.153.678 |
| Necklaces with ring set | Necklace-Set (10 pcs) | 4.998.151.848 |
| Clips set | Clip-Set (10 pcs) | 4.998.151.849 |
| Bracelet black | Bracelet for S87L, black (10 pcs) | F.01U.066.761 |
| Bracelet dark grey | Bracelet for S87L, dark grey (min. 10 pcs) | F.01U.206.027 |
| Bracelet light grey | Bracelet for S87L, light grey (min. 10 pcs) | F.01U.206.026 |
| Opening tool set | Opening tool-set Radio Button Tx (5pcs) | 4.998.150.229.C23 |

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Technical specifications

| | |
|-----------------------------|---|
| Dimensions (H × Ø) | 11 × 41mm |
| Weight | 15g |
| Frequency | 868.8MHz bidirectional |
| Protection class | IP 67 (EN 60529) |
| Power supply | Replaceable lithium battery CR2430 |
| Consumption | Transmission: max. 25mA Reception: max. 15mA Idle mode: max. 2.5µA |
| Receiver category | Complies with Cat 1.5 as specified in EN 300220-1 V3.1.1 |
| Battery life | Up to 2.5 years (according to VDE 0834-1: 5 alarms/day, supervision every 30 seconds) Up to 10 years (5 alarms/day) |
| Automatic battery test | Daily check and at every alarm |
| Battery alarm | At approx. 10% remaining |
| Operating temperature | 0°C to 50°C |
| Storage temperature | -20°C to 80°C |
| Modulation | FSK |
| Antenna | Integrated dipole |
| Radiated power | Typ. 630µW |
| Environmental class | II |
| Maximum range in free field | Up to 250m |
| Environmental class | I |
| Maximum range in free field | Up to 300m |