

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