

# Wristband Transmitter S87L with Locating Function, Red or Grey Button



- Modern and attractive design
- Easy to use
- IP67 waterproof protection
- Battery-level monitoring
- 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
- Location detection
- Dementia areas control
- Repeat mode possible
- Wireless parameter programming and firmware update
- Automatic radio link monitoring VDE 0834

The wireless programmable multi-mode Wristband Transmitter S87L with Locating function enables the user to summon help at any time by pressing a button, directly messaging the TeleAlarm NurseCall system. Additionally, it has the function of being able to locate a patient within a building, giving the user freedom of movement while still being under the remote supervision of staff.

The S87L Wristband Transmitter with Locating function is waterproof and lightweight.

## Functions

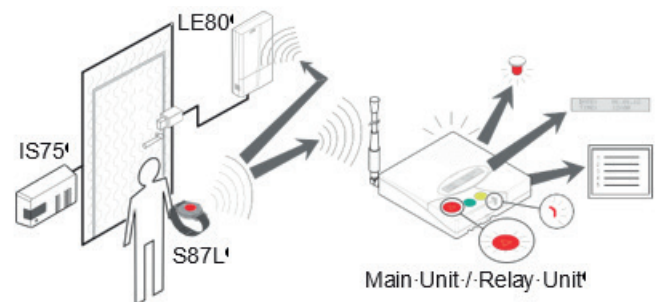
A call is activated by pressing the button of the S87L Wristband Transmitter with Locating function. The LED indicator of the transmitter will confirm the broadcast and the acknowledgement of the call from the receiver. The care staff are immediately informed by the Nurse Call system. The S87L Wristband Transmitter with Locating function can also be used to locate the patient. The Transmitter sends the call for help and the position of the last-passed beacon. It can also be used to automatically generate an alarm if the person is approaching a restricted door/zone ('Dementia' alarm).

Cancelling an alarm can be done by activating a B80A accompany transmitter or a B81 transmitter within 5cm of an S87L.

The S87L offers an 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 S87L can be adjusted to respect the automatic radio link monitoring according to the VDE 0834 regulation.

The S87L Wristband Transmitter with Locating function call button is available in red or grey

## System Overview



The S87L Wristband Transmitter with Locating function is designed to interact with the following devices:

- IS75 or IS76 beacon controller
- Nurse Call NC8 Main or Relay Unit or other Nurse Call system adapted for this function

The S87L Wristband Transmitter with Locating function automatically detects the coded magnetic field of the IS76 (or IS75) beacon. At the triggering of an alarm, the S87L sends the call for help to the Nurse Call NC8 Main Unit as well as the position of the last-passed beacon.

## 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	S87L with Locating function, red or grey button, including battery
1	Wristband
1	Leaflet with instructions

## Ordering information

Part	Designation	Reference
S87L-G-NC	S87L transmitter grey button	T.240.001.483
S87L-R-NC	S87L transmitter red button	T.240.001.484
3V battery set	3V lithium battery CR2025 (5 pcs)	F.01U.246.865
Clip set	Clip incl. necklace (10 pcs)	F.01U.066.770
Bracelet black	Bracelet for S87L, schwarz (10 pcs)	F.01U.066.761
Bracelet secured	Bracelet for S87L, black with rivet (10 pcs)	F.01U.066.766
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
Bracelet w/o magnetic closure	Perlon Bracelet (min. 10 pcs)	F.01U.206.028
Magnetic closure	Magnetic closure	F.01U.206.030
Magnet	Magnet for opening magnetic closure	F.01U.206.031
Housing S87L Grey button	Housings set S87L grey button (10 pcs)	T.200.001.664

## Technical specifications

Dimensions (H × W × D)	48 × 42 × 13.5mm
Weight	22g
Frequency	868.8MHz bidirectional
Protection class	IP 67 (EN 60529)
Power supply	Replaceable lithium battery CR2025
Consumption	Transmission: max. 25mA Reception: max. 15mA Idle mode: max. 6µA
Receiver category	Complies with Cat 1.5 as specified in EN 300220-1 V3.1.1
Battery life	Up to 2 years (5 alarms/day) Up to 1 year (according to VDE 0834-1: 5 alarms/day, supervision every 30 seconds)
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