

B80A Accompany Transmitter

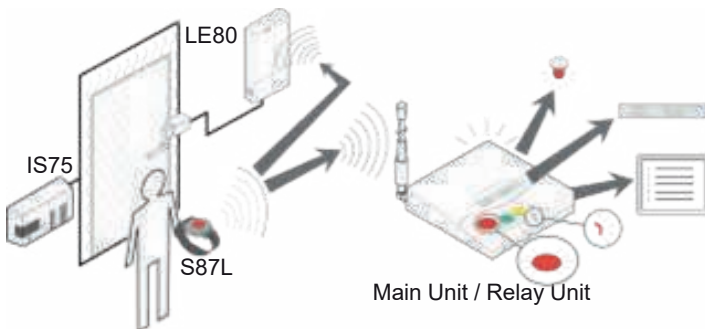


The B80A wireless programmable Wristband Transmitter with Accompany and Acknowledgment function is a device dedicated to authorized staff only. As part of a Nurse Call Dementia system, it is specially designed to help staff accompany patients through a beacon-controlled area without setting off alarms. In addition, the B80A also enables staff to acknowledge an alarm by pressing the green button, which activates a short-distance radio signal. The transmitter to be acknowledged must be within 5cm of the B80A.

The B80A can also be used for sending an emergency call in case a caregiver is exposed to aggressive behaviour, for example.

The B80A is waterproof and lightweight. It may be worn comfortably on the wrist, by a clip or as a pendant with an adjustable cord.

System Overview



The B80A Wristband Transmitter with Accompany function is built to work with the following devices:

- S87L Wristband Transmitter with Locating function
- Nurse Call Main or Relay Unit or other Nurse Call system adapted for this function
- LE80 Radio Receiver
- IS75 or IS76 beacon controller

The B80A Wristband transmitter detects the coded magnetic field of the IS76 (or IS75) beacon. It interacts with the LE80 to allow the door to be left open and signal the passage to the Nurse Call NC8 Main Unit, together with the position of the last-passed beacon.

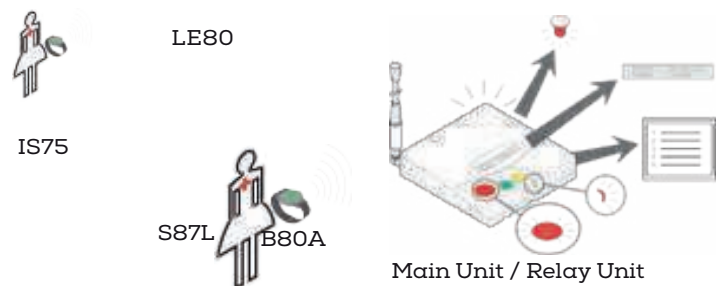
- Modern and attractive design
- Worn on the wrist or as a pendant
- Easy to use
- IP67 waterproof protection
- Battery life of up to 5,000 acknowledgement transmissions
- Battery-level monitoring
- Automatic daily radio messaging
- Bidirectional radio
- LED shows alarm triggered and low battery status
- LED shows alarm-cleared acknowledgement
- Wireless programming and firmware update
- Automatic VDE0834 radio link monitoring (set to 'Off' by default)

Functions

Accompany: the B80A sends special codes when held near protected doors. This prevents unexpected dementia alarms when a patient, equipped with an S87L, crosses a controlled area and is accompanied by authorized staff. In this case, passing through the doors is unobstructed.

Alarm acknowledgment: a triggered call can be cleared by pressing the green button of the B80A Transmitter within 5cm of a triggered transmitter. The B80A's LED confirms successful acknowledgement of the transmitter's cleared call with a white flash. Care staff are then informed by their Nurse Call system that the alarm has been cleared.

A B80A set off in the immediate vicinity of a transmitter always triggers an acknowledgement transmission from that transmitter to the Nurse Call installation



The B80A Wristband Transmitter offers IP67 waterproof protection and has built-in automatic battery monitoring with low battery warning. To communicate correct functioning, it sends an automatic daily radio message to the receiver over radio monitoring.

The B80A can be adjusted to comply with automatic radio link monitoring according to the VDE 0834 regulation. Parameters such as automatic radio link monitoring and the use of the green button in addition to triggering an emergency call can be programmed with the PR80 programmer and the associated NCCM program. The B80A acknowledgment device has a green 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)

B80A 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 5,000 Acknowledgment or Accompany transmissions
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

Parts included

Quantity	Component
1	Accompany Transmitter B80A including battery
1	Wristband
1	Leaflet with instructions

Ordering information

Part	Designation	Reference
B80A- ACC-NC	B80A Accompany transmitter	T.240.001.489
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, black (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
Housings set B80A	Housing set B80A (5 pcs)	T.200.001.697

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