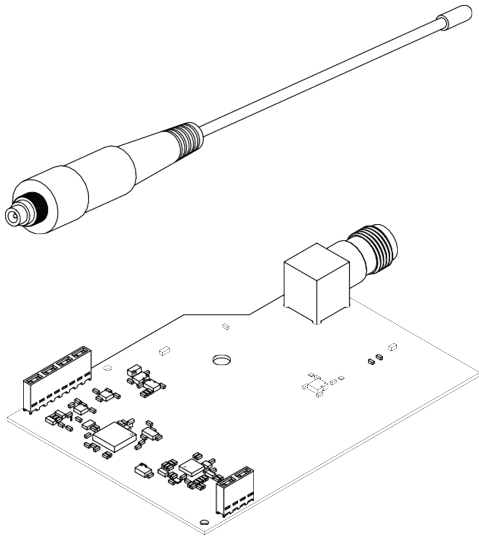


RE80 Receiver PCB MU/RU Nurse Call 8



- Easy upgrade of existing Nurse Call 4 installations to the new radio system
- Transparent gateway to the new Nurse Call 8 peripherals, no change in functionality
- Bidirectional radio
- Wireless firmware update

The RE80 Receiver PCB MU/RU Nurse Call is a kit to upgrade an existing Nurse Call Main Unit, Relay Plus Unit or Relay Unit to the new Nurse Call 8 TeleAlarm radio system. It contains a new radio board, an adapted antenna and a quick guide which explains how to upgrade from the old radio system to the new one. The kit also contains a sticker, which must be attached to the bottom of the Nurse Call Unit, showing that it has been upgraded.

The main advantage of this kit is that it preserves the existing Nurse Call installation and retains its value, while allowing the use of the new bidirectional radio devices, compatible with the up-to-date standards and technologies developed by TeleAlarm. The upgrade to the new TeleAlarm radio system can be done at the cost of these kits and the exchange of the radio boards: no new system installation is necessary.

The exchange of the radio board must be carried out by trained personnel in an ESD-protected environment.

Functions

The NC8 radio board included in the Receiver PCB MU/RU Nurse Call kit is compatible with the new TeleAlarm radio system protocol and with the TeleAlarm Nurse Call units' functionality. Its main role is to interpret the new radio protocol and to exchange information with the Nurse Call units, and so make best use of the functionality of the existing system.

The antenna in the kit is needed to ensure compatibility with the new radio standard frequency.

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	Nurse Call 8 radio board
1	868.8MHZ antenna
1	Quick Guide (installation guide)
1	'Unit upgraded' sticker

Ordering information

Part	Designation	Reference
RE80-NC	Receiver PCB MU/ RU Nurse Call	T.220.001.524

Technical specifications

Dimensions (H × W × D)	Radio board: 108 × 67 × 14mm Antenna: height approx. 195mm
Weight	Radio board: 40g Antenna: 25g
Frequency	868.8MHz bidirectional
Receiver category	Complies with Cat 1.5 as specified in EN 300220-1 V3.1.1
Operating temperature	-10°C to 55°C
Storage temperature	-20°C to 80°C
Frequency stability	Complies with Cat 1.5 as
(-10°C to +55 °C)	< 2.5kHz
Modulation	FSK
Antenna	External (provided)
Radiated power	Typ. 8mW
Housing	ABS white
Environmental class	I
Maximum range in free field	Up to 300m