

Relay unit 8, NC8



The TeleAlarm Nurse Call NC8 Relay Unit is the central receiver in an easy-to-install wireless solution designed for residential homes, nursing facilities and other specialized care settings. Patients can immediately contact nursing staff by pressing an emergency call button on their wrist- or neck-worn personal transmitter, or via the wall mounted transmitter situated in their room.

The Nurse Call NC8 Relay Unit is specially designed to increase the radio coverage of a Nurse Call system. It works in conjunction with the Nurse Call Main Unit via RS485 data communication.

The Nurse Call NC8 Main Unit includes the new TeleAlarm bidirectional radio system.

Functions

The dynamic wireless Nurse Call NC8 system consists of a wall-mounted call point, a wrist- or neck-worn personal transmitters, wireless pull-cords, push buttons, and a variety of alarm contact modules such as the RAC80 and the UPCBA80. All system accessories work using the same radio frequency, providing a total wireless solution. The wireless system can be effortlessly expanded to increase coverage to private residential homes beyond the walls of the main care facility walls. Extending scale using this system allows greater flexibility and privacy to residents as well as increased coverage by the care provider.

The location solution provides staff with immediate location information for a fast, targeted responses. Inductive location beacons or loops can be mounted on door frames, communicating location information to the care team via the personal transmitters worn by the users.

The system is flexible and expandable up to 500 transmitters. The TeleAlarm Nurse Call NC8 system can very easily be connected to different call-forwarding solutions including pagers, displays and DECT telephones. This provides staff with total freedom of movement while

- Nurse Call and dementia monitoring integrated into one system
- Complete, low-cost wireless system installation
- Easy to upgrade or expand existing Nurse Call systems
- Fast, targeted staff response through location and dementia monitoring
- Staff freedom of movement using DECT and paging systems integration
- Bidirectional radio
- Up to 32 Relay Units in a single Nurse Call system

maintaining a high level of alert in case an alarm is generated. The system transmits the alert information to the display of a pager or DECT telephone and allows for visual indication of the type, source and location of the call.

The NC8 Relay Unit allows for reception range improvement as well as use of a remote user console (display and keyboard).

Installation and Configuration

The Nurse Call NC8 Relay Unit offers easy, quick installation, configured using the built-in keyboard.

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 NC8 Relay Unit
1	Power Supply adapter
1	868.8 MHz Antenna, with adapter
1	Leaflet with instructions

Ordering information

Part	Designation	Reference
RU8-NC	Relay Unit 8 NC8	T.220.001.502

Technical specifications

Dimensions (H × W × D)	190 × 180 × 40mm (unit without antenna)
Weight	700g (unit without antenna)
Operating voltage	100–240V AC ±10% /50–60Hz
Average power consumption	2.5W
Battery back-up	6V, 1500mAh rechargeable
Emergency-power operation	Up to 24 hours
Output	Relay 1A/ 30VDC
LED Indicator	Bi-colour
Display	2 × 20 lines LCD
Unit languages	English, French, German, Italian, Dutch, Swedish
Volume	Adjustable up to 1W (max.)
Software upgrade	via PC (RS232 serial cable or USB programming interface)
Number of events	Up to 100
Frequency	868.8MHz bidirectional
Receiver category	Complies with Cat 1.5 as specified in EN 300220-1 V3.1.1
Operating temperature	5°C to 40°C
Storage temperature	-20°C to 60°C
Frequency stability (-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