

Nurse Call NC8 Relay Unit Plus



- Nurse Call and dementia monitoring integrated into one system
- Low-cost complete wireless system installation
- Easy to upgrade or extend existing nurse call systems
- Fast and accurate staff response through locating and dementia monitoring
- Staff freedom of movement through DECT and paging systems integration
- Bi-directional radio
- Up to 32 Relay Units / Relay Unit PLUS in one Nurse Call system

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

The Relay Plus Unit allows reception range improvement as well as a remote user console (display and keyboard). It works in conjunction with the Nurse Call NC8 Main Unit via RS485 data communication. In addition to the Relay Unit, it allows the management of a printer or display peripheral. It combines all the functions of a standard Nurse Call NC8 Relay Unit and adds the possibility to interface a printer/display to the Nurse Call system without an extra device.

The Nurse Call NC8 Relay Unit Plus works with 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 transmitter, a wireless pull-cord, a push button and a variety of radio alarm contact modules like the RAC80 and the UPCBA80. All accessories of the system function on the same radio frequency, providing a total wireless solution. The wireless system also provides the opportunity to increase coverage beyond the main care facility walls to private residential homes within proximity of the main building. Extended coverage beyond the traditional intramural solution allows more 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 and precise response. An inductive location beacon or loop can be mounted at a door frame, which communicates the location information

to the care staff via the personal transmitter worn by the user.

The system is flexible and expandable up to 500 transmitters. The TeleAlarm Nurse Call NC8 system can be easily connected to different call-forwarding solutions such as pagers, displays and DECT telephones. This provides staff with total freedom of movement while 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 a visual indication of the type, source and location of the call.

The NC8 Relay Plus Unit allows reception range improvement as well as a remote user console (display and keyboard). The NC8 Relay Plus Unit printer interface connected to RS485-bus can be used in order to connect an additional printer or a corridor display. In such configuration, the in-house paging system can be combined with a printer without a PC

Installation and Configuration

The Nurse Call NC8 Relay Plus Unit guarantees very easy and convenient installation by using the built-in keyboard. Easy upgrades can be carried out by a specialist via PC and a dedicated programming cable.

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 Plus Unit
1	Power Supply adapter
1	Antenna 868.8MHz with adapter
1	Leaflet with instructions

Ordering information

Part	Designation	Reference
RUP8-NC	Relay Unit Plus 8 NC8	T.220.001.503

Technical specifications

Dimensions (H × W × D)	190 × 180 × 40mm (unit without antenna)
Weight	740g (unit without antenna)
Operating voltage	100–240V AC ±10% / 50–60Hz
Average 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 (dedicated programming cable)
Protocols	Printer and Zettler Display
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