

# Nurse Call NC8 Main Unit



The TeleAlarm Nurse Call NC8 Main Unit is the core element within the 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 wrist- or neck-worn personal transmitter, or via the wall transmitter situated in their room.

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

## Installation and Configuration

The Nurse Call NC8 Main Unit guarantees very easy and convenient installation. The system is programmed either by using the NPS software or directly via the keypad and display of the main unit. Programming of the Nurse Call NC8 Main Unit via the NPS software requires a PC to be connected by an RS-232 cable. Easy upgrades can be carried out by a specialist via PC and a dedicated programming cable.

- 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

## 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 carer 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.

## 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)

## Ordering information

Part	Designation	Reference
MU8-NC	Main Unit 8 NC8	T.220.001.501

## 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
Programming	21-button keyboard on the unit or NPS software tool
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	ESPA 4.4.4, POCSAG, Medical 800, DeTeWe, Printer
Number of alarm transmitters	Up to 500
Number of acknowledgement transmitters	Up to 32 or infinite
Number of events	Up to 100
Universal Nurse Call	Programmable
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