

MU8 – Nurse Call System Main Unit



- **Integrated nurse call and dementia risk monitoring in a single system**
- **Low-cost installation for the complete wireless system**
- **Easy upgrade or expansion of existing nurse call systems**
- **Fast and accurate staff response through monitoring and locating dementia-related risks**
- **Greater staff mobility through integration of paging and DECT systems**
- **Bidirectional radio communication**

The TeleAlarm NC8 nurse call main unit is the central component of the easy-to-install wireless solution designed for residential homes, nursing homes, and other specialized care facilities.

Patients can immediately contact care staff by simply pressing the emergency call button on their personal transmitter worn on the

wrist or around the neck, or via the wall-mounted transmitter located in their room.

The NC8 nurse call main unit includes the new TeleAlarm bidirectional radio system.

Installation and Configuration

The NC8 nurse call main unit ensures very easy and convenient installation. The system can be programmed either using the NPS software or directly via the keypad and display of the main unit.

Programming the NC8 nurse call main unit via the NPS software requires connecting a PC using an RS-232 cable. A specialist can easily perform upgrades using a PC and a dedicated programming cable.

Functions

The NC8 dynamic wireless nurse call system consists of a wall call point, a personal transmitter worn on the wrist or around the neck, a wireless pull cord, a push button, and a range of radio alarm contact modules such as the RAC80 and UPCBA80.

All system accessories operate on the same radio frequency, providing a complete wireless solution. The wireless system also allows coverage to be extended beyond the walls of the main care facility to nearby private residences. This extended coverage beyond the traditional internal solution provides greater flexibility and privacy for residents, as well as expanded coverage by the care provider.

The location solution provides staff with immediate location information for a fast and accurate response. An inductive location beacon or loop can be mounted on a door frame, which communicates location information to the

caregiver via the user's personal transmitter.

The system is flexible and expandable to up to 500 transmitters. The TeleAlarm NC8 nurse call system can be easily connected to various call forwarding solutions such as pagers, displays, and DECT phones. This gives staff full freedom of movement while maintaining a high level of alertness when an alarm is triggered. The system transmits alert information to the display of a pager or DECT phone and provides visual indication of the type, source, and location of the call.

Scope of Delivery

Nr	Article Number	Product Name
1	T.220.001.501	Main Unit
2	T.220.001.524	Receiver card
3	T.000.001.631	Power Supply
4	F.01U.078.289	Batterie
5	F.01U.140.094	Programming Cable
6	F.01U.205.930	Acrylic Stand

See the price list for more details

Technical Specifications

Dimensions (H × L × P)	190 × 180 × 40 mm (Unit without Antenna)
Weight	740 g (Unit without Antenna)
Operating Voltage	100–240 VCA ±10 % /50–60 Hz
Average Power Consumption	2,5 W
Backup Battery	6V, 1500 mAh rechargeable
Backup Power Mode	Up to 24 hours
Output	Relays 1 A/30 VCC
Programming	21-key keypad on the unit or via NPS software tool
LED Indicator	Bi-color
Display	LCD 2 × 20 characters
Unit Languages	English, French, German, Italian, Dutch, Swedish
Volume	Adjustable up to 1 W (max.)
Software Upgrade	Via PC (dedicated programming cable)
Protocols	ESPA4.4.4, POCSAG, Medical 800, DeTeWe, Printer

Number of Alarm Transmitters	Up to 500
Number of Acknowledgment Transmitters	Up to 32 or unlimited
Number of Events	Up to 100
Universal Nurse Call	Programmable
Frequency	868,8 MHz bidirectionnel
Receiver Category	Compliant 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)	< 2,5 kHz
Modulation	MDF
Antenna	External (supplied)
Radiated Power	8 mW
Housing / Enclosure	ABS
Environmental Class	I
Maximum Open-Field Range	Up to 300 m

Certifications and Approvals

RED 2014/53/EV
 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 (Version finale : 2019)
 EN 301 489-3 V2.1.1 (2019)
 EN 50581 (2012-09)
 VDE 0834-1 (2016-06)
 VDE 0834-2 (2017)

Included Items

- 1 MU8
- 1 Power Adapter
- 1 868.8 MHz Antenna with Adapter
- 1 Brochure with Instructions