

NurseCall Relay Plus Unit



The TeleAlarm NurseCall 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 the pendant, wrist, or 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 Main Unit via RS485 data communication. In addition to the Relay Unit, it allows the management of a printer peripheral. It combines all the functions of a standard NurseCall Relay Unit, and the possibility to interface a printer/display to the NurseCall system without an extra device.

Functions

The dynamic and wireless NurseCall system consists of a wall, a wrist or pendant transmitter, a wireless pull cord, a push button, and a smoke detector. 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 care facility walls to private residential homes within proximity of the main building. The extended coverage beyond the traditional intramural solution allows more flexibility and privacy to residents as well as increased coverage by the care provider. The locator call tracer provides staff immediate location of alarm for fast and precise response. An inductive transmitter can be mounted in a door frame while a portable pendant can be used by the patient. The system is flexible and expandable up to 500 transmitters. The TeleAlarm NurseCall system can be easily connected to DECT and paging systems to provide staff with total freedom of movement while maintaining a high-level of alert in case an alarm is generated. DECT is a system of high-performance mobile telephones designed to be used throughout the building. The system transmits the call to the screen of a portable telephone and it also provides visual indication of the type and source of the call on the unit. The Relay Plus Unit allows reception range improvement as well as a remote user console (display and keyboard). The Relay Plus Unit printer interface connected to RS485-bus

- **NurseCall 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**

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.

Certifications and approvals

EMC Directive: 2004/108/EC

Low Voltage Directive: 2006/95/EC

R&TTE: 1999/5/EC

EN 60950-1: 2011

EN 55022: 2006, A1: 2007

EN 300220-2 (V2.3.1)

EN 50130-4: 1995, A1: 1998, A2: 2003

EN 301489-1 (V1.8.1)

EN 301489-3 (V1.4.1)

Parts included

Quantity	Component
1	NurseCall Relay Plus Unit
1	Power supply adapter
1	Antenna 434 MHz with adapter
1	User manual

Installation/configuration notes

The NurseCall Relay Plus Unit guarantees very easy and convenient installation by using the built-in keyboard.

Technical specifications

Operating voltage:	230VAC/ 10VAC 280mA 110VAC/ 10VAC 280mA
Average consumption :	2.5W
Battery back-up :	6V, 1250mAh rechargeable
Emergency-power operation :	Up to 24 hours
Programming :	21-button keyboard on the unit
LED Indicator:	Bi-color
Display:	2 x 20 lines LCD
Radio receiver:	434 MHz
Output:	Relay 1A/ 30VDC
Volume:	Adjustable up to 1W (max.)
Software upgrade:	via PC (RS232 serial cable or USB programming interface)
Size:	190 x 180 x 40 mm
Unit languages:	English, French, German, Italian, Dutch, Swedish
Number of alarm transmitters:	Up to 500
Number of acknowledgement transmitters:	Up to 32
Number of events:	Up to 100
Universal NurseCall:	Programmable

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