

**BOSCH**
Invented for life

NurseCall Relay Plus Unit



- ▶ **Low-cost complete wireless system installation**
- ▶ **Easy to upgrade or extend existing nurse call systems**
- ▶ **Increased coverage beyond traditional care facilities**
- ▶ **Fast and accurate staff response through the locator call tracer**
- ▶ **Staff freedom of movement through DECT communication systems integration**

The Bosch NurseCall Relay Plus Unit is 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 Bosch NurseCall system can be easily connected to the DECT communication system 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). It works in conjunction with the Main Unit via RS485 data communication.

The 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.

Certifications and Approvals

CE
 EMC Directive: 89/336/EC
 Low Voltage Directive: 2006/95/EC
 R&TTE (according to annex V): 1999/5/EC
 EN 60950-1: 2001, A11: 2004
 EN 55022: 1998, A1: 2000, A2: 2003
 EN 300220-1: 2000
 EN 50130-4: 1995, A1: 1998, A2: 2003
 EN 301489-3: 2002
 EN 61000-4-2: 1995, A1: 1998, A2: 2001
 EN 61000-4-3: 1996, A1: 1998, A2: 2001
 EN 61000-4-4: 1995, A1: 2001, A2: 2001
 EN 61000-4-5: 1995, A1: 2001
 EN 61000-4-6: 1996, A1: 2001
 EN 61000-4-11: 1994, A1: 2001

Installation/Configuration Notes

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

Parts Included

Quant.	Component
1	NurseCall Relay Plus Unit
1	Power supply adapter
1	Antenna 434 MHz
1	Right-angle bended antenna adapter
1	User manual

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
Programming 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 18
Universal NurseCall:	Programmable
On/ off switch:	Yes

Ordering Information

CRS-NC022-FIEU NurseCall Relay Plus Unit NC.022.FI.EU NurseCall Relay Plus Unit (434) – 230 VAC EU	CRS-NC022-FIEU
CRS-NC022-FIUK NurseCall Relay Plus Unit NC.022.FI.UK NurseCall Relay Plus Unit (434) – 230 VAC UK	CRS-NC022-FIUK
CRS-NC022-FIUS NurseCall Relay Plus Unit NC.022.FI.US NurseCall Relay Plus Unit (434) – 115 VAC US	CRS-NC022-FIUS

Americas:
 Bosch Security Systems, Inc.
 130 Perinton Parkway
 Fairport, New York, 14450, USA
 Phone: +1 800 289 0096
 Fax: +1 585 223 9180
 security.sales@us.bosch.com
 www.boschsecurity.us

Europe, Middle East, Africa:
 Bosch Security Systems B.V.
 P.O. Box 80002
 5600 JB Eindhoven, The Netherlands
 Phone: + 31 40 2577 284
 Fax: +31 40 2577 330
 emea.securitysystems@bosch.com
 www.boschsecurity.com

Asia-Pacific:
 Robert Bosch (SEA) Pte Ltd, Security Systems
 38C Jalan Pemimpin
 Singapore 577180
 Phone: +65 6319 3453
 Fax: +65 6319 3499
 apr.securitysystems@bosch.com
 www.boschsecurity.com