

# N46 Wall Transmitter



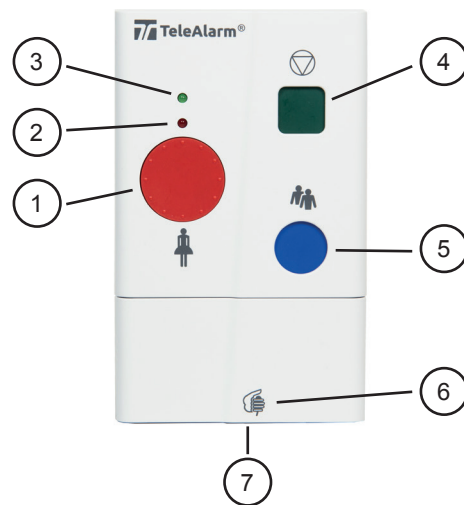
- **Simple and quick installation (no cables required)**
- **Emergency call and assistance call buttons**
- **Direct cancel function and presence function**
- **Terminal blocks for external buttons**
- **Periodic self-checking and battery-level monitor**

The N46 Wall Transmitter is a multifunction terminal radio transmitter, designed for patients and nursing staff to make an emergency call, summon assistance or cancel a call directly in the patient's room. It will be part of a NurseCall system, and is easily expandable.

## Functions

The main function of the N46 Wall Transmitter is to enable easier handling of emergencies and help, directly from the patient's room. Its large red button with textured surface makes it easy to identify and to press, launching an emergency call. If, upon arriving, nursing staff requires additional help, a call for assistance can be sent by pressing the round blue button. In all cases, there is an automatic call repetition until cancel of the call. The presence and alarm LED indicators enhance the signaling of alarms. Cancelling can be made directly on the room transmitter with the smaller green button. The N46 Wall Transmitter is equipped with a 3-Volt battery offering a life time of approx. 2 years. It can also be connected with an external 12-24 V DC power supply. In addition, it offers voltage monitoring and automatic daily message for self-check. The N46 Wall Transmitter is easily expandable, as a socket for pear-push button is directly accessible. Identification of the nurse group can be made via a socket for coded presence plugs (max. 4 different), allowing the use of programmable function keys to log on and log off. Optionally, relay contacts for room signal lights and connecting ports for wired room installation can be used.

## System Overview



1. Emergency call red button
2. LED indicator for alarm
3. LED indicator for presence
4. Acknowledgment green button
5. Assistance call blue button
6. Installation module
7. Jack plug for pear-push button

**Certifications and Approvals**

R&TTE 1999/5/EC  
 EMC 2004/108/EC  
 LVD 2006/95/EC  
 EN 50371 (2002)  
 EN 55022 (2006, A1: 2007)  
 EN 60950-1 (2011)  
 EN 300220-2 V2.3.1  
 EN 301489-1 V1.8.1  
 EN 301489-3 V1.4.1  
 EN 50130-4 (1995, A1: 1998, A2: 2003)

**Parts Included**

Quantity	Component
1	N46 Wall Transmitter

**Technical Specifications**

Dimensions (H x W x D)	133 x 82 x 26 mm
Weight	200 g
Frequency	434.01 MHz
External power supply & consumption	12-24 VDC Transmission: < 40 mA Idle mode: < 10 mA
Battery power supply & consumption	3V lithium battery CR2450 Transmission: < 30 mA Idle mode: < 10 µA
Battery life	Approx. 2 years
Battery alarm	at approx. 20 % remaining
Automatic battery test	daily check and at every alarm
Permissible temperature	0 °C to 55 °C
Stability (0 to +55 °C)	± 2 kHz
Modulation:	FSK
Antenna	PCB mounted
Radiated power	2 mW
Transmission time	< 1 s
Minimum range in free field	250 m

**TeleAlarm SA**  
 Rue du Pont 23  
 2300 La Chaux-de-Fonds  
 Switzerland  
 info@telealarm.com  
[www.telealarm.com](http://www.telealarm.com)

**TeleAlarm UK Ltd.**  
 3 Bedford Place  
 WC1B 5AH, London  
 United Kingdom  
 info-uk@telealarm.com  
[www.telealarm.com](http://www.telealarm.com)