

**WIRELESS**  
BAND

**SAFETY EDGES**  
BY RADIO



Radio communication system for safety edges

### **WBAND TX - WBAND RX**

The system includes a transmitter which connects to the safety edge and a receiver which is connected to the motor controller. The communication between the two is by radio with an 868 MHz frequency.

### **AUTOTEST**

Real time system status check, which immediately detects any failure in the transmitters. Autotesting bidirectional radio link and automatic monitoring of the level of radio coverage.

- MAXIMUM RANGE OF BETWEEN 10 - 40 M —
- EDGE TEST SYSTEM —
- TWO INDEPENDENT CHANNELS —
- UP TO SIX TRANSMITTERS PER RECEIVER —
- BATTERY STATUS WARNING SIGNAL —

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**Product uses**

Can be applied to any type of door with a resistive safety edge. It can store up to six WBAND TX transmitters in the same receiver and it can activate all of them simultaneously.

**Battery status warning signal**

The receiver emits an acoustic warning signal to notify us that the battery is running low.

**Easy installation**

The system works by radio and no wiring is required between the different elements. It is very easily installed thanks to its characteristics:

**WBand RX**

- › Wall-mounted with only two screws.
- › More circuit space which makes it easier to wire.
- › IP 65 (with cable glands).
- › Low operational consumption.
- › Highly sensitive.
- › Up to 6 WBand TX transmitters per receiver.
- › Multi-voltage power supply.

**WBand TX**

- › Wall- or door-mounted with two screws.
- › A small box.
- › Battery holder.
- › IP 67.
- › Very low consumption in standby.

**TECHNICAL SPECIFICATIONS**

**WBAND RX**

|                                       |   |
|---------------------------------------|---|
| Frequency                             | 868,90 MHz  |
| Power                                 | 12/24V AC/DC  |
| Power supply range                    | 9/35V DC - 8/28 V AC                                    |
| Number of relays                      | 2   |
| Contact relays                        | 1A  |
| Memory                                | 6 WBAND TX (3 Relay 1-3 Relay 2)                        |
| Cons. standby/operating               | 18 mA / 80 mA   |
| Operating temp.                       | - 20°C / +85°C  |
| Size                                  | 100x130x50 mm (antenna not inc)                         |
| Weatherproofing                       | IP54 (with IP65 cable glands)                           |
| Range (guaranteed)                    | 10 m (up to 40 m)                                       |
| Autotest socket                       | 2 0/12/24V AC/DC sockets (the polarity can be selected) |
| Min. time between 2 autotest actions* | 7 min   |

**WBAND TX**

|                                       |                      |
|---------------------------------------|----------------------|
| Frequency                             | 868,90 MHz           |
| Power                                 | 3V DC (2x1,5V LR=AA) |
| Power supply range                    | 12 mA                |
| Operating temp.                       | - 20°C / +85°C       |
| Size                                  | 160x53x20 mm         |
| Weatherproofing                       | IP 67                |
| Range (guaranteed)                    | 10 m (up to 40 m)    |
| Radiated power                        | < 25 mW              |
| battery life (approx)                 | 2 years              |
| Min. time between 2 autotest actions* | 7 min                |

\* to comply with the R&TTE Directive



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