

# Wireless Contact Detector



The wLSN Door-Window Contact provides magnetic reed contacts for monitoring doors and windows. The internal reed contacts (one on each side) are activated by an external magnet assembly which can be placed on either side. It also has built-in wall and cover tampers and a supervised point input for monitoring external devices.

## Functions

### Reed Contacts

There is a reed contact on either side of the device, so the magnet assembly can be mounted within 12.7 mm (0.5 in.) of the device on either side. When the distance between the magnet and the internal reed switch of the wLSN Door-Window Contact exceeds 12.7 mm (0.5 in.), an alarm signal is sent to the social alarm unit.

### Use as a Universal Point Transceiver

For use as a universal point transceiver, an external sensor loop is connected to the terminal block of the wLSN Door-Window Contact. An alarm signal from the sensor loop initiates an RF signal from the wLSN Door-Window Contact to the social alarm unit.

- Internal reed switches
- Supervised point input for an external dry-contact device that reports as a separate zone
- Determine suitability of chosen installation location with RF Signal Strength (RFSS) mode
- Supervised for low-battery, cover-tamper, and walltamper conditions
- Operates for up to 5 years on readily-obtainable AA batteries

## Certifications and approvals

<b>Approvals</b>	<b>CE 0682</b>
<b>Complies with</b>	<b>EN 50131-1 Grade 2, Environmental class II</b>
<b>R&amp;TTE 1999/5/EC</b>	
<b>LVD 73/23/EEC</b>	
<b>EMC 89/336/EEC</b>	
<b>EN 50130-4</b>	
<b>EN 300220-1 / -2</b>	
<b>EN 301489-1,3 V1.4.1</b>	
<b>EN 61000-6-3</b>	
<b>EN 50371</b>	
<b>ES 59005</b>	
<b>EN 60950-1</b>	

## Parts included

Quantity	Component
1	Point transceiver
1	Magnet assembly
1	Installation material
1	Hardware pack
1	Literature pack

## Technical specifications

Environmental Conditions	
Environment	Indoor, dry
EN50131-1	Environmental Class II
Relative Humidity	Up to 95%, non-condensing
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Storage Temperature	-20 °C to +80 °C (-4 °F to +176 °F)
Housing	
Color	Cream white
Dimensions (H x W x D)	
Magnet Assembly	6.7 cm x 2.1 cm x 1.8 cm (2.6 in. x 0.8 in. x 0.7 in.)
Point Transceiver and Reed Switch	13.5 cm x 3.5 cm x 2.5 cm (5.3 in. x 1.4 in. x 1.0 in.)
Power Requirements	
Battery Life	Up to 5 years under normal operating conditions.
Battery Requirements	Two AA Alkaline batteries
Recommended Replacements	Duracell® MN1500 or PC1500, Eveready® E91, Panasonic® AM-3PIX/B
Voltage (supply)	2.3 VDC to 3.0 VDC
Automatic test signal	Every 24/31 hours at least
Message "Battery Low"	On activation or automatic test signal. Following a "Battery Low" message, the battery should be changed within four
Transmission and Reception Characteristics	
Frequency	869.2125 MHz
Bandwidth of band used	25 kHz
Modulation type	FSK (frequency shift keying) / ITU F1D

Modulation hub of transmitter	± 3 kHz
Transmission power	3 dBm (0.5 mW) (Class B transmission power complies with EN300220)
Data rate	Bosch: 0 - 1600 Hz TA: 0 - 2500 Hz
Range (unobstructed)	300 m
Connecting external contacts	
Externally connected contacts	Normally closed contact or normally open contact (potential free)
Wire size	0.14 mm to 1.5 mm
Cable length for external contact	Max. 3 m
Trademarks	
Duracell® is a registered trademark of the Gillette Company, USA, in the United States and/or other countries.	
Eveready® is a registered trademark of Eveready Battery Company,	
Panasonic® is a registered trademark of a Matsushita Electric Industrial Co., Ltd.	

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