



wLSN Inertia Detector



The wLSN Inertia Detector is used for monitoring doors and windows. In addition to an inertia sensor, it has internal reed switches (one on each side) that can be used with an external magnet assembly.

Functions

Gross or Minor Attack Movement Settings

There are two settings (gross attack or minor attack) each of which has sensitivity adjustments.

If the minor attack setting is enabled, you can program for four or eight repetitive taps. Use the minor attack setting for sensitive areas.

If minor attack is disabled, the inertia sensor only reacts to major attack movement. The gross attack movement has four sensitivity settings.

RF Signal Strength Mode

Removing the device cover and pressing the tamper switch four times within 10 seconds of battery installation activates the RF signal strength mode. The LED lights steady for 5 sec and then begins to flash. A slow flash (approximately 1 sec on, 1 sec off) indicates insufficient signal reception. A quickly flashing LED (approximately five times as fast as the slow flash) indicates the device is receiving sufficient signal from the wLSN Hub.

- ▶ **Holding clip allows sensor pivoting in any direction enabling detector mounting in any orientation**
- ▶ **Minor and Gross Attack settings**
- ▶ **Option of using an internal reed switch with an external magnet assembly**
- ▶ **Externally-visible LED indicates operational sensitivity setting testing and RF signal strength**
- ▶ **Determine suitability of chosen installation location with RF Signal Strength (RFSS) mode**
- ▶ **Supervised for low-battery, cover-tamper, and wall-tamper conditions**
- ▶ **Operates for up to 5 years on readily-obtainable AA batteries**

Certifications and Approvals

Listings and Approvals: **CE**
 Complies with: EN50131-1 Grade 2, Environmental class II

Installation/Configuration Notes

Compatibility Information

The wireless Local SecurityNetwork (wLSN) including the wLSN Inertia Detector is compatible with the Easy Series Control Panel.

Mounting Considerations

Mount the inertia detector on interior surfaces where it is protected from weather elements such as rain or snow. Orientation of the inertia sensor is critical to the proper operation of the inertia detection function.

When used, the magnet must be no farther away than 12 mm (0.5 in.) from the body of the inertia sensor for normal operation. The mounting base has markings for magnet alignment.

Note Installation on metal surfaces can affect the RF propagation pattern of the radio transceiver.

The RF transceiver has a range of approximately 1000 m (3000 ft) in open air. However, in normal operation, the actual RF range depends on building construction.

Parts Included

Quant.	Component
1	Inertia detector
1	Magnet assembly
2	AA batteries (P/N: 16556)
1	Hardware pack
1	Literature pack

Technical Specifications

Environmental Considerations

Environment:	Indoor, dry
EN50131-1:	Environmental Class II
Relative Humidity:	Up to 95%, non-condensing
Temperature (operating):	-10°C to +55°C (+14°F to +131°F)

Mechanical Properties

Color:	Off-white
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Dimensions (H x W x D)

Transmitter:	13.5 cm x 3.5 cm x 2.5 cm (5.3 in. x 1.4 in. x 1.0 in.)
Magnet Assembly:	6.7 cm x 2.1 cm x 1.8 cm (2.6 in. x 0.8 in. x 0.7 in.)

Power Requirements

Battery Power

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

Transmission and Reception Characteristics

Frequency:	European Security Band 868 MHz to 869 MHz
Range (open field):	1000 m (3000 ft)

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, Inc.

Panasonic® is a registered trademark of a Matsushita Electric Industrial Co., Ltd.

Ordering Information

wLSN Inertia Detector

ISW-BIN1-S135X

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

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

Asia-Pacific:
Bosch Security Systems Pte Ltd
38C Jalan Pemimpin
Singapore 577180
Phone: +65 6319 3450
Fax: +65 6319 3499
apr.securitysystems@bosch.com
www.boschsecurity.com

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