



## wLSN Inertia Sensor



The wLSN Inertia Sensor 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

The wLSN Inertia Sensor has two settings (gross attack or minor attack) each of which has sensitivity adjustments. If the minor attack setting is enabled, you can program four or eight repetitive taps. Use the minor attack setting for sensitive areas. Use the minor attack setting for sensitive areas.

If minor attack is disabled, the inertia sensor reacts to only 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 steadily for 5 sec and then begins to flash. A slow flash (approximately 1 sec on, 1 sec off) indicates insufficient signal reception. A rapidly 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 and 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 indicating operational sensitivity setting and RF signal strength**
- ▶ **RF Signal Strength (RFSS) mode to determine suitability of chosen installation location**
- ▶ **Supervised for low-battery, cover-tamper, and wall-tamper conditions**
- ▶ **Operational up to 5 years on readily-obtainable AA batteries**

### Certifications and Approvals

Region	Certification
Europe	CE CE 1999/5/EC, EN50130-4: 1996 +A1: 1998 +A2: 2003, ETSI EN 300 220-1 V1.3.1: 2000-09, ETSI EN 301 489-1 V1.4.1: 2002-08, ETSI EN 301 489-3 V1.4.1: 2002-08, IEC60950-1: 2001, EN60950-1:2001 +A11:2004, EN55022/ANSI C63.4: 2003, EN61000-4-2: 1995 +A1: 1998 +A2: 2001, EN61000-4-3: 2002 +A1: 2003 +A2: 2005, EN61000-4-4: 1995 +A1: 2001 +A2: 2001, EN61000-4-5: 1995 +A1: 2001, EN61000-4-6: 1996 +A1: 2001 +A2: 2001 +A3: 2005, EN61000-4-11: 1994 +A1: 2001, TS 50131-2-6:2004 (Version 1)
Belgium	INCERT B-509-0056

Additionally, the wLSN Inertia Sensor has been designed to comply with the following standard:

EN50131-1 Grade 2, Environmental class II.

## Installation/Configuration Notes

### Compatibility Information

The wireless Local SecurityNetwork (wLSN) including the wLSN Inertia Sensor 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 sensor
1	Magnet assembly
2	AA batteries (P/N: 16556)
1	Unit shim
1	Magnet shim
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:	White
<b>Dimensions (H x W x D)</b>	
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)

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

## Ordering Information

<b>wLSN Inertia Sensor</b>	<b>ISW-BIN1-S135X</b>
Provides an inertia sensor for monitoring doors and windows; available in white	

### Accessories

<b>ISW-MCIN-SHIM Shim Kit (White)</b>	<b>ISW-MCIN-SHIM</b>
Package of 12 unit shims and 12 magnet shims for wLSN Door-Window Contact (White) and wLSN Inertia Sensor (White)	

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