BOSCH

Invented for life

wLSN PIR Motion Detector

▸ **First Step processing (FSP), flexible mounting options, and temperature compensation**

▸ **Draft, insect, and pet and animal immunity**

▸ **Eight detection layers including look down zones**

▸ **Externally-visible LED indicates test status 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 up to 5 years on readily-obtainable AA batteries**

The wLSN PIR Motion Detector has a dense zone pattern with 79 zones in eight layers to provide superior catch performance. Ease of installation and flexible mounting options provide state-of-the-art detection every time.

Functions

First Step Processing

First Step Processing (FSP) allows virtually instant response to human targets without sacrificing false alarm immunity to other sources. By adjusting its sensitivity based upon signal amplitude, polarity, slope and timing, FSP eliminates the need for the installer to select the sensitivity level for the application.

Pet and Animal Immunity

The detector is able to distinguish between signals caused by humans and signals caused by one or two animals with a combined total weight of 14 kg (31 lb). This provides immunity to false alarms while maintaining proper catch performance of human targets.

Draft and Insect Immunity

The sealed optical chamber provides immunity to drafts and insects.

Temperature Compensation

Automatically monitors the ambient temperature and adjusts the signal processing to maintain proper catch performance in critical temperature ranges.

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.

Certifications and Approvals

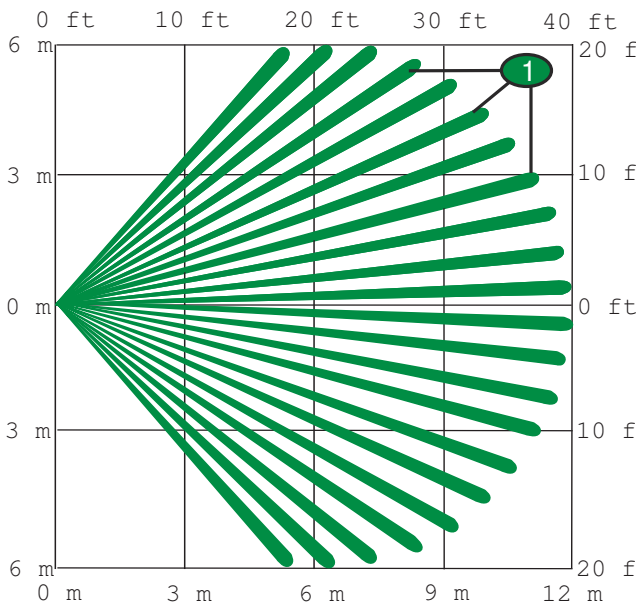| Region	Certification	
Europe	CE	CE 1999/5/EC, EN50130-4: 1996 +A1: 1998 +A2: 2003, ETSI EN 300 220-1 V1.3.1: 2000-09, ETSI EN 301 489-1 V1.4.1: 2002-08, ETSI EN 301 489-3 V1.4.1: 2002-08, IEC60950-1: 2001, EN60950-1:2001 +A11:2004, EN55022/ANSI C63.4: 2003, EN61000-4-2: 1995 +A1: 1998 +A2: 2001, EN61000-4-3: 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.-2:2004 (Version 3), SSF 1014 Ed3 (2005)
Belgium	INCERT	B-509-0055
France	AFNOR	NF et A2P (NF 324 - H 58) Type 2
Sweden	INTYG	08-780

This product is designed to also comply with the requirements of EN50131-1 Grade 2, Environmental class II

Installation/Configuration Notes
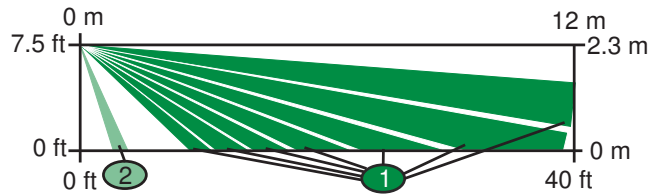
Compatibility Information

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

Coverage Patterns

Top View Broad: 11 m x 11 m (35 ft x 35 ft)

1   PIR coverage pattern

Side View Broad: 11 m x 11 m (35 ft x 35 ft)

1   PIR coverage pattern   2   Look-down zone

Mounting Considerations

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

- Mount the detector so it is aimed where an intruder will most likely cross through the coverage pattern.
- Mount the detector on interior walls where it is protected from weather elements such as rain or snow.
- Mount the detector at any height between 2.3 m and 2.7 m (7.5 ft and 9 ft). The detector can be mounted:
  - On a flat wall (surface mount),
  - On a flat wall with the optional B335 Swivel-mount Bracket,
  - In the junction of two perpendicular walls (corner mount), or
  - On the ceiling with the optional B338 Ceiling-mount Bracket.

Note   The wall tamper cannot be used in corner mount installations or with optional mounting brackets.

Note   The use of optional mounting brackets can reduce the detector's range and increase the dead zone areas.

- 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 and other factors.

Parts Included

Quant.	Component
1	PIR detector
4	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
Dimensions (H x W x D):	12.2 cm x 6.2 cm x 5.2 cm (4.8 in. x 2.4 in. x 2.1 in.)

Power Requirements

Battery Power

Battery Life:	Up to 5 years under normal operating conditions.
Battery Requirements:	Four AA Alkaline batteries
Recommended Replacements:	Duracell® MN1500 or PC1500, Eveready® E91, Panasonic® AM-3PIX/B

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 PIR Motion Detector Supports 79 zones in eight layers to provide superior catch performance	**ISW-BPR1-W13PX**
Accessories	
Swiveling B335-3 low-profile mount Swiveling, low-profile, plastic mount for wall mounting. The vertical swivel range is +10° to -20°, while the horizontal swivel range is ±25°. Available in triple packs.	**B335-3**
B338 Universal Ceiling-mount Bracket Swiveling plastic mount for ceiling mounting. The vertical swivel range is +7° to -16°, while the horizontal swivel range is ±45°.	**B338**