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Commercial Wireless ISW-EN1262 PIR Motion Sensor-Transmitter (Residential and Low-traffic Commercial Applications)



- ▶ **12 m x 12 m (40 ft x 40 ft) coverage**
- ▶ **Automatic supervision of radio link**
- ▶ **Pet immunity**
- ▶ **Includes cover tamper and optional wall tamper**
- ▶ **Highly sensitive to moving infrared radiation**
- ▶ **Exclusive wireless protocol ensures maximum performance and reliability**

The ISW-EN1262 PIR Motion-Sensor Transmitter is appropriate for low-traffic commercial applications. Advanced signal processing recognizes human signature size and movement, providing excellent catch performance and unsurpassed false alarm immunity. Pet immunity reduces false alarms caused by animals.

System Overview

Powered by Inovonics

The Commercial Wireless platform, powered by Inovonics wireless mesh network technology, ensures superior range, reliability, and scalability for commercial applications. Using a wide range of transmitters and repeaters, this proven technology provides flexibility and performance to meet the most stringent requirements. This exclusive protocol is available only on Commercial Wireless products.

Wireless 900 MHz Band

The Commercial Wireless platform sends redundant information on several multi-frequency channels within the FCC Part 15 900 MHz band, providing superior range and reliability. In comparison, systems that use a single frequency technology can only send information on one narrow band channel. Any interference within the band can cause missed signals. With wireless registration, it is easy to add this technology to any application.

Functions

Pet Immunity

The sensor distinguishes signals caused by humans from signals caused by one or two animals with a combined total weight of 13.6 kg (30 lb), reducing false alarms.

Cover Tamper

The cover tamper switch notifies the system when an intruder attempts to remove the sensor cover.

Optional Wall Tamper

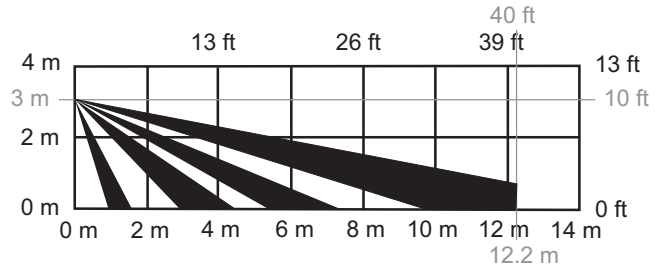
The wall tamper switch provides increased security and is ideal for high-end residential applications. The wall tamper switch notifies the system when the sensor is removed from its mounted surface.

Supervision

The cover tamper, wall tamper, and battery activity are supervised. Monitoring helps ensure reliable operation.

Certifications and Approvals

Inovonics Wireless Corporation also holds the following approvals:
 FCC Conforms to FCC Part 15 regulations



Side View: 3 m x 12.2 m (9.8 ft x 40 ft)

Installation/Configuration Notes

Compatibility Information

The ISW-EN1262 PIR Motion-Sensor Transmitter is compatible with the following products:

Receivers

ISW-EN4016SK	Survey Receiver
ISW-EN4200	Serial Receiver
ISW-EN4216R	LCD Receiver
ISW-EN4204R	LED Receiver
ISW-EN7280	Serial Receiver

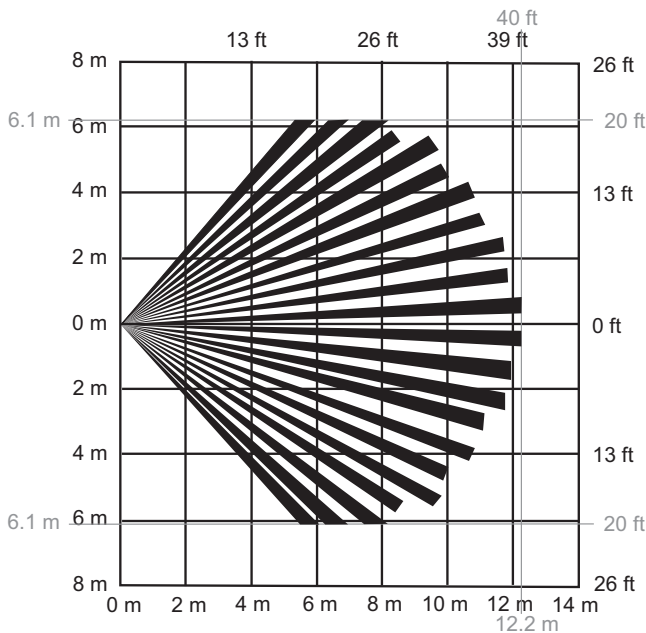
Repeater

ISW-EN5040-T	High-power Repeater
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Mounting Height and Coverage Patterns

Mount the sensor-transmitter at a height between 2.1 m and 2.7 m (7 ft to 9 ft). The coverage patterns for the standard lens are as follows:

ISW EN1262 Standard Coverage



Top View: 12.2 m x 12.2 m (40 ft x 40 ft)

Parts Included

Quantity	Component
1	Sensor-transmitter with cover and wall tampers
1	3.0 v lithium battery

Technical Specifications

Electrical

Power:	3.0 V, 2.2 Ah
Battery Replacement:	Duracell DL123A, Panasonic CR123A, or approved equivalent. Not all brands are equivalent. Use the brands specified.
Battery Life (Average):	2 years. Typical battery life shown is for supervised operation using recommended check-in times. The battery life of a PIR sensor is highly dependent on traffic in its coverage area.

Environmental

Relative Humidity:	Up to 90%, non-condensing
Temperature (operating):	0°C to +60°C (+32°F to +140°F)

Mechanical

Dimensions:	11.4 cm x 6.4 cm x 4.1 cm (4.5 in. x 2.5 in. X 1.6 in.)
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Transmission Characteristics

Frequency:	902 MHz to 928 MHz
Radio Frequency Interference (RFI) Immunity:	Greater than 30 V/m for frequencies between 26 MHz and 1 GHz.

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Ordering Information

Commercial Wireless ISW-EN1262 PIR ISW-EN1262

Motion Sensor-Transmitter (Residential and Low-traffic Commercial Applications)

Provides 12 m x 12 m (40 ft x 40 ft) coverage and pet immunity. Includes cover tamper, optional wall tamper, and battery.

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