

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

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- ▶ 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

The 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 Inovonics EchoStream 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 Inovonics EchoStream products.

### Wireless 900 MHz Band

The Inovonics EchoStream 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

**Installation/configuration notes**

**Compatibility Information**

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

**Receivers**

EN4016SK	Survey Receiver
EN4200	Serial Receiver
EN4204R	LED Receiver

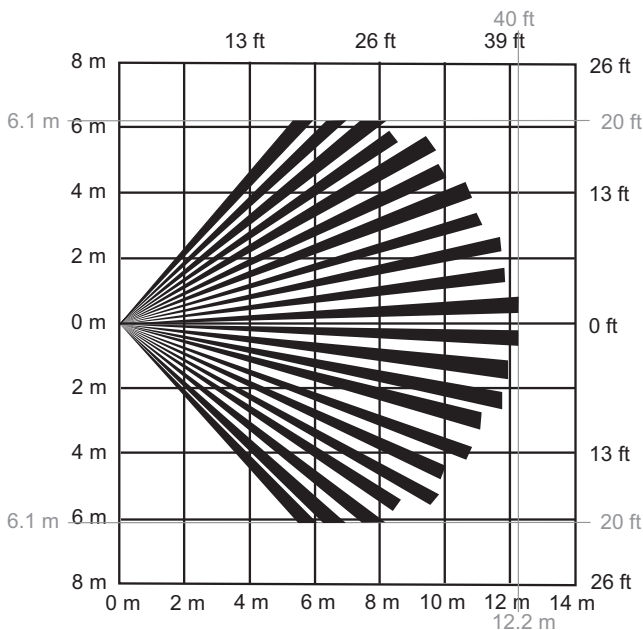
**Repeater**

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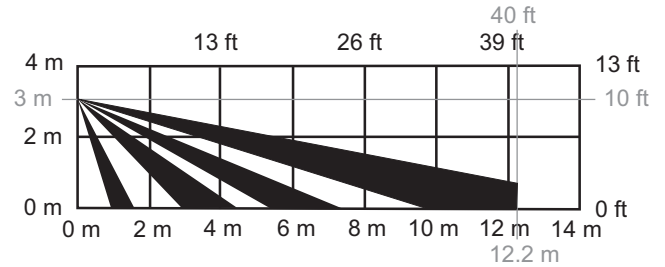
**Mounting Height and Coverage Patterns**

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:

**EN1262 Standard Coverage**



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



Side View: 3 m x 12.2 m (9.8 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

#### **EN1262 PIR 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.

Order number **EN1262**

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