

EN1260 PIR Motion Sensor Transmitter (Commercial and High-end Domestic Applications)

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Invented for life



- ▶ 15.2 m x 15.2 m (50 ft x 50 ft) coverage
- ▶ Automatic supervision of radio link
- ▶ Low power consumption
- ▶ Highly sensitive to moving infrared radiation
- ▶ Immunity to Radio Frequency Interference (RFI), vibration, static, lightning, and ambient temperature changes

The EN1260 PIR Motion Sensor-Transmitter is appropriate for commercial and high-end domestic applications, providing the most cost-effective solution for reducing installation expenses. The rounded cover blends into the environment and is suitable for different installation design needs. It also offers a variable sleep time to extend the battery life in high-traffic applications. It is equipped with an integrated sensor to meet the needs of every indoor installation. Advanced signal processing recognizes human signature size and movement, reducing false alarms. Advanced microprocessor technology provides excellent catch performance.

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

Battery Sleep Time

Designed specifically for wireless applications, this PIR has a 180 sec fixed or variable sleep time. When the variable sleep time is chosen, it has the intelligence to remain in sleep mode beyond 180 sec during high-traffic periods to provide extended battery life.

Supervision

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

Wall and Cover Tamper

The optional wall tamper switch provides increased security and is ideal for high-end residential applications. The wall tamper switch notifies the system when the transmitter is removed from its mounted surface. The cover tamper switch notifies the system when an intruder attempts to remove the sensor cover.

Certifications and approvals

Inovonics Wireless Corporation holds the following approvals:

FCC Conforms to FCC Part 15 regulations

Installation/configuration notes

Compatibility Information

The EN1260 PIR Motion Sensor-Transmitter is compatible with the following products:

Receivers

EN4016SK	Survey Receiver
EN4200	Serial Receiver
EN4204R	LED Receiver

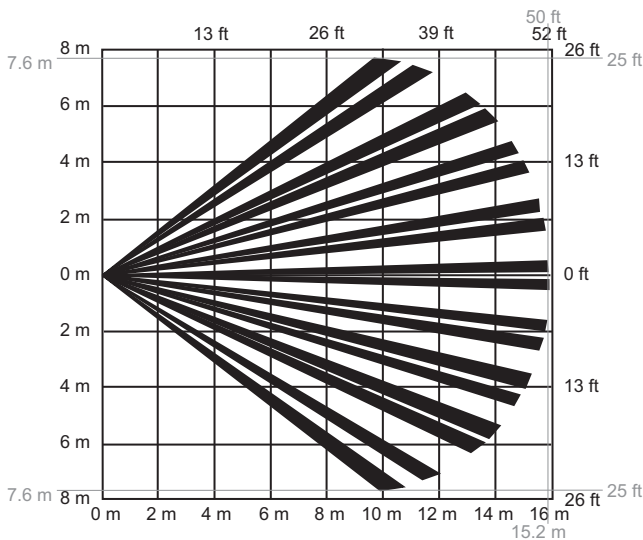
Repeater

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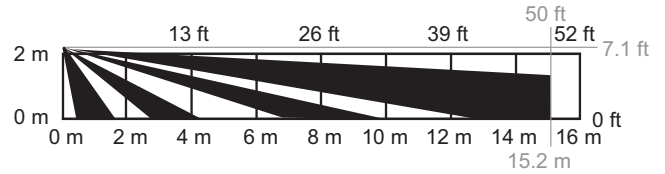
Mounting Height and Coverage Patterns

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 and optional lenses are as follows:

EN1260 Standard Coverage



Top View: 30.4 m x 15.2 m (99.7 ft x 50 ft)



Side View: 2.2 m x 15.2 m (7.1 ft x 50 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.
Sleep Time:	Fixed or variable - has a standard fixed sleep time of 180 sec; variable sleep time allows remaining in sleep mode longer to extend battery life in high-traffic environments.

Environmental

Relative Humidity:	Up to 90%, non-condensing
Temperature (operating):	-20°C to +60°C (-4°F to +140°F)

Mechanical

Dimensions:	11.5 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 from 26 MHz to 1 GHz

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Ordering information

EN1260 PIR Motion Sensor Transmitter (Commercial and High-end Domestic Applications)

Provides 15.2 m x 15.2 m (50 ft x 50 ft) coverage.

Includes cover and wall tamper and battery.

Order number **EN1260**

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