

EN1265 360 PIR Motion Sensor-Transmitter (Ceiling-mount Applications)

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Invented for life



- ▶ 360° by 20 m (65.6 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 EN1265 PIR Motion Sensor-Transmitter is appropriate for ceiling-mount applications and large open spaces. It detects intruders using a pyro sensor element. Advanced signal processing recognizes human signature size and movement, reducing false alarms. The sensor is equipped with a special hard lens that provides large coverage patterns even at low height. It is immune to sunlight, halogen light, and fluorescent light. The enclosure is resistant to attack from intruders.

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.

Ceiling Mount Design

Ideal for applications where 360° PIR coverage is preferred.

Supervision

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

Cover Tamper

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 EN1265 PIR Motion Sensor-Transmitter is compatible with the following products:

Receivers

EN4016SK	Survey Receiver
EN4200	Serial Receiver
EN4204R	LED Receiver

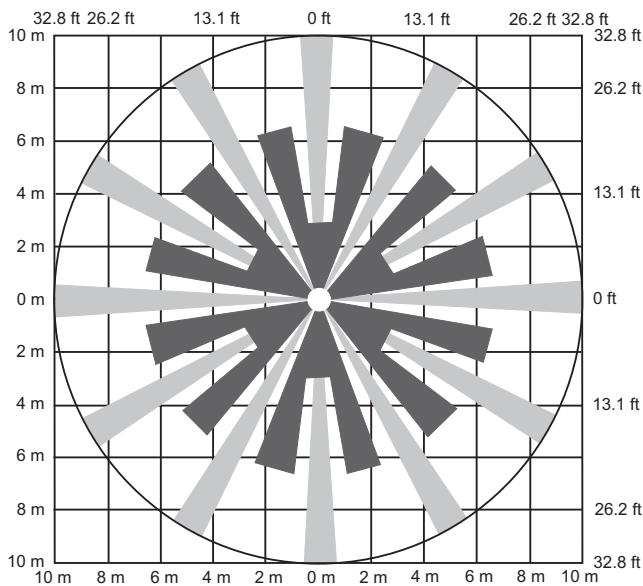
Repeater

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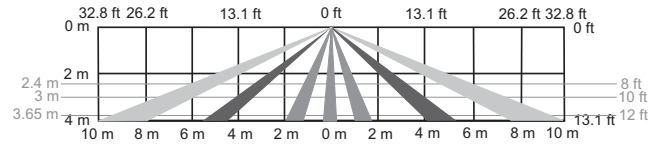
Mounting Height and Coverage Patterns

Mount the sensor-transmitter on ceilings no higher than 3.4 m (12 ft) with the standard lens. The coverage patterns for the standard lens are as follows:

EN1265 Standard Coverage



Top View: 20 m (65.6 ft) x 360°



Side View: 4 m (13.1 ft) x 20 m (65.6 ft)

Parts included

Quantity	Component
1	Sensor-transmitter with cover tamper
1	3.0 V lithium battery



Notice

The EN1265 can accommodate two batteries for extra battery life, but only one battery is required for operation.

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):	4 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:	10% to 90%, non-condensing
Temperature (operating):	0°C to +49°C (+32°F to +120°F)

Mechanical

Dimensions:	13.1 cm x 5.7 cm (5.2 in. x 2.5 in.)
Weight:	185 g (6.52 oz)

Transmission Characteristics

Frequency:	902 MHz to 928 MHz
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Ordering information

EN1265 360 PIR Motion Sensor-Transmitter (Ceiling-mount Applications)

Provides 360° by 20 m (65.6 ft) coverage for large open spaces. Includes battery and attack-resistant cover.

Order number **EN1265**

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