

EN1261HT PIR Motion Sensor-Transmitter (High-traffic areas)

www.boschsecurity.com



BOSCH
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 EN1261HT 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 maximum sleep time of 180 sec recommended for most installations. The sleep time can be set to 15 sec or 30 sec for six activations before returning to its 180 sec sleep time. Setting the shorter sleep times can shorten 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.

Pet Immunity

It is immune to pets up to 15 kg (33 lb) in weight and 30.5 cm (12 in.) in height.

Certifications and approvals

Inovonics Wireless Corporation holds the following approvals:

FCC Conforms to FCC Part 15 regulations

Installation/configuration notes

Compatibility Information

The EN1261HT PIR Motion Sensor Transmitter is compatible with the following products:

Receivers

EN4016SK	Survey Receiver
EN4200	Serial Receiver
EN4204R	LED Receiver

Repeater

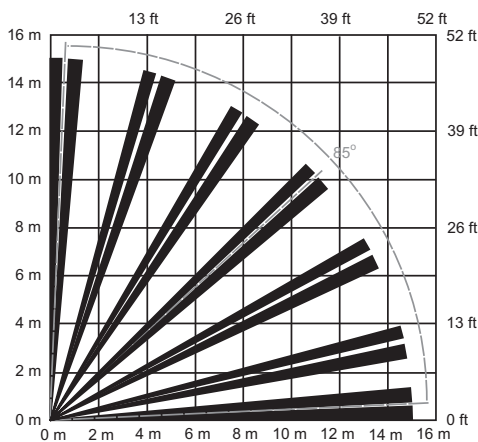
EN5040-T	High- power Repeater
----------	----------------------

Mounting Height and Coverage Patterns

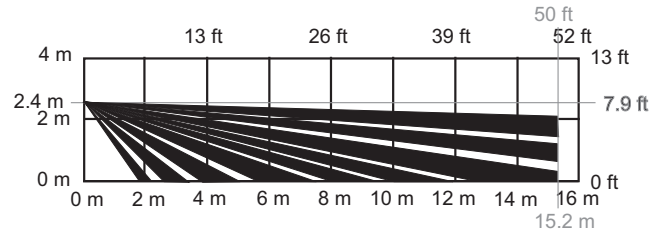
Mount the sensor- transmitter at a height between 2.1 m and 2.7 m (7 ft to 9 ft).

The coverage patterns for the standard lens are as follows:

EN1261HT Standard Coverage



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



Side View: 2.4 m x 15.2 m (7.9 ft x 50 ft)

Parts included

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

Technical specifications

Electrical

Power:	3.0 V, 2.2 Ah
Battery Replacement:	BAT610 High-traffic PIR Replacement Battery
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:	Variable - has a maximum sleep time of 180 sec; choosing lower sleep times can shorten battery life.

Environmental

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

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.

Trademarks

Trademark names are used throughout this document. In most cases, these designations are claimed as trademarks or registered trademarks in one or more countries by their respective owners. Rather than placing a trademark symbol in every occurrence of a trademark name, Bosch Security Systems, Inc. uses the names only in an editorial fashion and to the benefit of the trademark owner with no intention of infringing the trademark.

Duracell is a registered trademark of the Gillette Company, USA, in the United States and/or other countries.

Inovonics is a trademark of Inovonics Wireless Corporation.

Panasonic is a registered trademark of Matsushita Electric Industrial Co., Ltd.

Ordering information

EN1261HT PIR Motion Sensor-Transmitter (High-traffic areas)

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

Includes cover and wall tampers and battery.

Order number **EN1261HT**

Represented by:

Americas:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com