


BOSCH

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



- ▶ **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**
- ▶ **Advanced digital signal processing**
- ▶ **Includes cover tamper and optional wall tamper**
- ▶ **Exclusive wireless protocol ensures maximum performance and reliability**

The ISW-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 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

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 Tamperers

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 ISW-EN1260 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

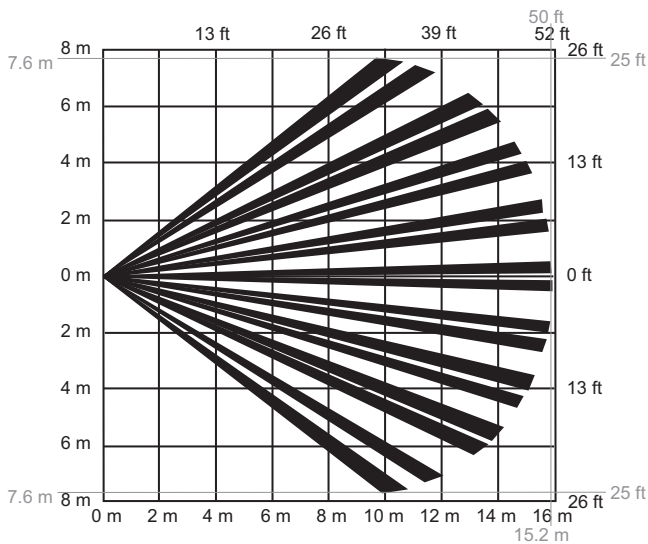
Repeater

ISW-EN5040-T High-power Repeater

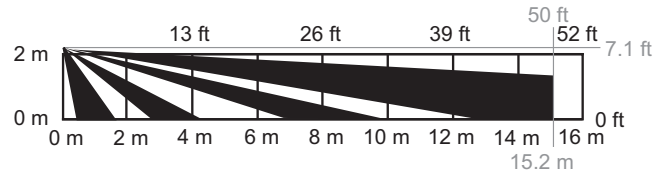
Mounting Height and Coverage Patterns

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:

ISW-EN1260 Standard Coverage

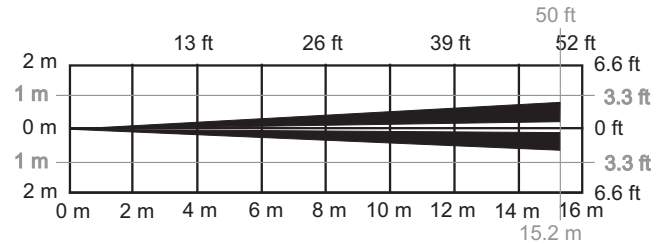


Top View: 30.4 m x 15.2 m (99.7 ft x 50 ft)

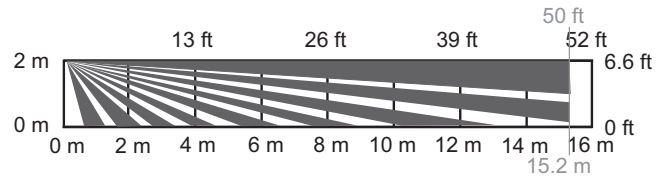


Side View: 2.2 m x 15.2 m (7.1 ft x 50 ft)

ISW-ACC672CT Curtain Coverage (optional)

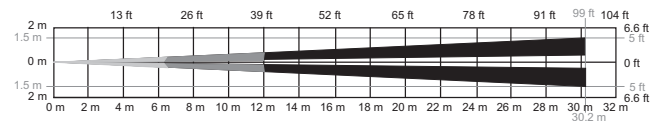


Top View: 2 m x 15.2 m (6.6 ft x 50 ft)

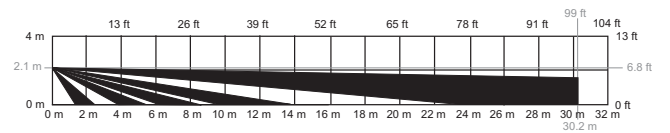


Side View: 2 m x 15.2 m (6.6 ft x 50 ft)

ISW-ACC672LR Long Range Coverage (optional)

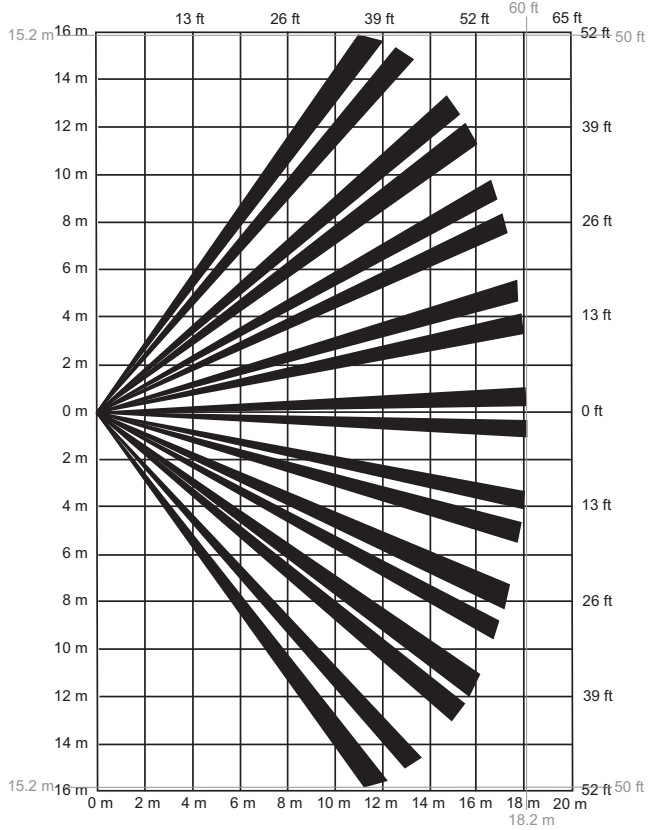


Top View: 3 m x 30.2 m (9.8 ft x 99 ft)

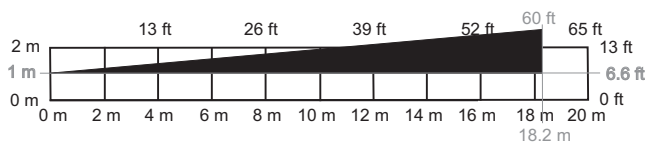


Side View: 2.1 m x 30.2 m (6.9 ft x 99 ft)

ISW-ACC672PA Pet Alley Coverage (optional)



Top View: 30.4 m x 18.2 m (100 ft x 60 ft)



Side View: 3 m x 18.2 m (6.6 ft x 60 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

Trademarks

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Ordering Information

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

Provides 15.2 m x 15.2 m (50 ft x 50 ft) coverage. Includes cover and wall tamper and battery.

Accessories

Commercial Wireless ISW-ACC672CT Curtain Lens **ISW-ACC672CT**

Optional lens for ISW-EN1260 with curtain coverage pattern that is 16.4 m (50 ft) long and only 2 m (6.6 ft) wide.

Commercial Wireless ISW-ACC672LR Long-range Lens **ISW-ACC672LR**

Optional lens for ISW-EN1260 with long-range coverage pattern that is 32.4 m (99 ft) long and only 3.2 m (10 ft) wide.

Commercial Wireless ISW-ACC672PA Pet Alley Lens **ISW-ACC672PA**

Optional lens for ISW-EN1260 with pet-alley coverage pattern that is 18.2 m (60 ft) long, 30 m (100 ft) wide, and remains 1 m (3.3 ft) above the floor.

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
5600 JB 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
38C Jalan Pemimpin
Singapore 577180
Phone: +65 6319 3453
Fax: +65 6319 3499
apr.securitysystems@bosch.com
www.boschsecurity.com