


BOSCH

Invented for life

Commercial Wireless ISW-EN1247 Glassbreak Sensor-Transmitter



- ▶ Automatic supervision of radio link
- ▶ 6 m (20 ft) range from sensor to window
- ▶ Recognizes the pattern of glass breaking across the full audio band
- ▶ Low-profile design
- ▶ Exclusive wireless protocol ensures maximum performance and reliability

The ISW-EN1247 Glassbreak Sensor-Transmitter has patented GE ShatterPro II Pattern Recognition Technology as well as the Commercial Wireless platform. ShatterPro II provides a high immunity to false alarms while covering several windows at once. The Commercial Wireless platform uses diversity reception and advanced signal processing to reduce dead spots in transmission areas.

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

Acoustic Detection of Glass Breaking

ShatterPro II Pattern Recognition Technology provides extended range coverage of 6 m (20 ft), 360° radius. One sensor can provide coverage for multiple windows, reducing cost.

Sophisticated Technologies

The combination of ShatterPro II and Bosch Security Systems, Inc. technology powered by Inovonics increases reliability and reduces false alarms.

Supervision

The battery activity and radio link are supervised. Monitoring helps ensure reliable operation.

Certifications and Approvals

Inovonics Wireless Corporation holds the following approvals:

FCC

Conforms to FCC Part 15 regulations

Installation/Configuration Notes

Note

Glassbreak detectors are intended only as a component of a perimeter protection system. They should always be used in conjunction with motion sensors.

Compatibility Information

The ISW-EN1247 Glassbreak 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
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Parts Included

Quantity	Component
1	Sensor-transmitter
1	Battery

Technical Specifications

Electrical

Power:	3.0 V
Battery Replacement:	Duracell DL123A, Panasonic CR123A, or approved equivalent. Not all brands are equivalent. Use the brands specified.
Battery Life (Average):	3 years. Typical battery life shown is for supervised operation using recommended check-in times.

Environmental

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

Mechanical

Dimensions:	10.8 cm x 8 cm x 4.3 cm (4.2 in. x 3.1 in. x 1.7 in.)
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Transmission Characteristics

Frequency:	902 MHz to 928 MHz
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Trademarks

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

Ordering Information

Commercial Wireless ISW-EN1247 Glassbreak Sensor-Transmitter **ISW-EN1247**

Provides extended range coverage 6 m (20 ft) and acoustic detection of glass breaking across the full audio band. Includes one battery.

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