

EN1247 Glassbreak Sensor and Transmitter

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BOSCH
Invented for life



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

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

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



Notice

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 EN1247 Glassbreak 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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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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Panasonic is a registered trademark of Matsushita Electric Industrial Co., Ltd.

Ordering information

EN1247 Glassbreak Sensor and Transmitter

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

Order number **EN1247**

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