BOSCH

Invented for life

Commercial Wireless ISW-EN1242 Smoke Detector-Transmitter

▶ **Fully supervised transmitter to maximize range and reliability**

▶ **Monitored CleanMe signal**

▶ **Low-profile design blends into any environment**

▶ **Disposable optical block chamber**

▶ **Exclusive wireless protocol ensures maximum performance and reliability**

The ISW-EN1242 Smoke Detector Transmitter provides residential grade smoke detection and includes he Commercial Wireless platform as well as GE Interlogix CleanMe technology. The ISW-EN1242 includes two batteries, providing up to five years of operation.

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

Supervision

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

Monitored CleanMe Signal

The CleanMe signal indicates when the smoke detector is out of specification, increasing system integrity and reducing false alarms. CleanMe self-diagnostics monitor the detector's sensitivity and operational status. If the detector drifts out of the desired sensitivity range or fails internal diagnostics, it extinguishes its LED and sends a signal to the receiver.

Disposable Block Chamber

The disposable chamber allows for on-site cleaning, eliminating the need to send detectors to the factory for cleaning.

Certifications and Approvals

Inovonics Wireless Corporation holds the following approvals:

FCC	Conforms to FCC Part 15 regulations

Installation/Configuration Notes

Compatibility Information

The ISW-EN1242 Smoke Detector 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

Parts Included

Quantity	Component
1	Detector-transmitter
2	Batteries

Technical Specifications

Electrical

Power:	Two 3.0 V batteries
Battery Replacement:	Duracell DL123A, Panasonic R123A, or approved equivalent. Not all brands are equivalent. Use the brands specified.
Battery Life (Average):	3 to 5 years. Typical battery life shown is for supervised operation using recommended check-in times.

Environmental

Operating Temperature:	+4.4°C to +37.8°C (+40°F to +100°F)

Mechanical

Dimensions:	14.0 cm x 6.7 cm x 7.1 cm (5.5 in. x 2.63 in.)

Transmission Characteristics

Frequency:	902 MHz to 928 MHz

Trademarks

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Ordering Information

Commercial Wireless ISW-EN1242 Smoke Detector-Transmitter Provides smoke detection functions and CleanMe signal. Includes two batteries.	**ISW-EN1242**