BOSCH

Invented for life

Commercial Wireless ISW-EN1249 Billtrap Transmitter

▸ **Reliable communication through 900 MHz spread spectrum technology with frequency hopping**

▸ **False alarm reduction through 56 bit communication protocol and advanced signal processing**

▸ **Fully supervised with transmitter check-in once per minute**

▸ **Armed confirmation through 2 and 10 sec smart baiting LED**

▸ **Slim profile**

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

The ISW-EN1249 Billtrap Transmitter provides the best range and reliability available today with the same profile and ruggedness as a hardwire billtrap. It can be used in any financial or retail environment.

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 and safeguards against undetected loss of service due to end user damage such as dropping the billtrap repeatedly, exposing it to extreme temperature, getting the billtrap wet, or other similar events.

Certifications and Approvals

Inovonics Wireless Corporation holds the following approvals:

FCC	Conforms to FCC Part 15 regulations

Installation/Configuration Notes

Compatibility Information

The ISW-EN1249 Billtrap 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	Billtrap
1	Battery

Technical Specifications

Electrical

Power:	3.0 VDC, 60 mA
Battery Replacement:	Duracell DL123A, Panasonic CR123A, or approved equivalent. Not all brands are equivalent. Use the brands specified.
Battery Life (Average):	3 to 4 years. Typical battery life shown is for supervised operation.

Mechanical

Dimensions:	15.7 cm x 8.9 cm x 2.3 cm (6.2 in. x 3.5 in. x 0.9 in.)

Environmental

Relative Humidity:	Up to 90%, non-condensing
Temperature (Operating):	0°C to +60°C (-4°F to +140°F)

Transmission Characteristics

Frequency:	902 MHz to 928 MHz

Trademarks

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Ordering Information

Commercial Wireless ISW-EN1249 Billtrap Transmitter Provides the range and reliability of hardwire billtraps.	**ISW-EN1249**