


**BOSCH**

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# Commercial Wireless ISW-EN1235xF Fixed-location Transmitters



- ▶ **Single- or double-button activation**
- ▶ **State-of-the-art radio**
- ▶ **Supervised radio link**
- ▶ **Surface mounted for fixed position signaling**
- ▶ **Exclusive wireless protocol ensures maximum performance and reliability**

The ISW-1235SF and the ISW-1235DF Fixed-location Transmitters provide single- and two-button activation, respectively. One light-emitting diode (LED) flashes with all transmissions, including supervision, to clearly show users when the unit is operating. The pendant can be mounted for fixed position signaling, adapting to a wide range of installations.

With the superior range and reliability offered by the Commercial Wireless platform, there is virtually no limit to the applications that can benefit from these pendants. 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

### Design

Products are designed to be maintained by professional security technicians, and are intended for indoor use only.

### 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 pendant repeatedly, exposing it to extreme temperature, getting the pendant wet, or other similar events.

**Certifications and Approvals**

Region	Certification
USA	UL AMCX: Central Station Alarm Units (ANSI/UL 1610, ANSI/UL 1635), ANET: Holdup Alarm Units (UL 636), APAW: Police Station-connected Alarm Units (ANSI/UL 365, ANSI/UL 464), APOU: Proprietary Alarm Units (ANSI/UL 1076)

Inovonics Wireless Corporation holds the following approvals:  
 FCC Conforms to FCC Part 15 regulations

**Installation/Configuration Notes**

The ISW-EN1235xF Fixed-location Transmitters are 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	Transmitter
1	Battery

**Technical Specifications**

**Electrical**

Power:	3.0 V, 0.5 Ah
Battery Replacement:	Panasonic or Sanyo CR2, or approved equivalent. Not all brands are equivalent. Use a specified brand.
Battery Life (Average):	3 to 5 years. Typical battery life shown is for supervised operation.

**Mechanical**

Dimensions:	5.6 cm x 4.8 cm x 1.8 cm (2.2 in. x 1.9 in. x 0.72 in.)
Weight:	40 g (1.4 oz)

**Environmental**

Relative Humidity:	Up to 90%, non-condensing
Temperature (operating):	0°C to +60°C (+32°F to 140°F)

**Transmission Characteristics**

Frequency:	902 MHz to 928 MHz
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**Trademarks**

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Inovonics is a trademark of Inovonics Wireless Corporation.

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

Renata refers to Renata Batteries, a company of the Swatch Group.

SANYO is a registered trademark of SANYO North America Corporation.

**Ordering Information**

<b>Commercial Wireless ISW-EN1235DF Fixed-location Transmitter (Double-button)</b> Double-button fixed location transmitter	<b>ISW-EN1235DF</b>
<b>Commercial Wireless ISW-EN1235SF Fixed-location Transmitter (Single-button)</b> Single-button fixed location transmitter	<b>ISW-EN1235SF</b>

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