


BOSCH

Invented for life

Commercial Wireless ISW-EN1233x Necklace Pendant Transmitters



- ▶ **Water-resistant**
- ▶ **LED**
- ▶ **Two buttons reduce false alarms**
- ▶ **State-of-the-art radio**
- ▶ **Supervised radio link**
- ▶ **Includes neck cord and battery**
- ▶ **Exclusive wireless protocol ensures maximum performance and reliability**

The ISW-EN1233S and the ISW-EN1233D Necklace Pendant Transmitters provide single- and two button activation, respectively. The single button design is ideal for assisted living installations whereas the two button design reduces accidental activation. One light emitting diode (LED) flashes with all transmissions, including supervision, to clearly show users when the unit is operating. The pendant includes a belt clip and a battery. The pendant can also 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

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

Inovonics Wireless Corporation holds the following approvals:

FCC

Conforms to FCC Part 15 regulations

Installation/Configuration Notes

Compatibility Information

The ISW-EN1233x Necklace Pendant Transmitters are compatible with the following products:

Receivers

ISW-EN4014SK	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	Neck cord
1	Belt clip
1	3.0 V coin cell 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.

Environmental

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

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)

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.

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

SANYO is a registered trademark of SANYO North America Corporation.

Ordering Information

Commercial Wireless ISW-EN1233D Necklace Pendant Transmitter (Double-button)	ISW-EN1233D
Double-button necklace pendant transmitter	
Commercial Wireless ISW-EN1233S Necklace Pendant Transmitter (Single-Button)	ISW-EN1233S
Single-button necklace pendant transmitter	

Accessories

Commercial Wireless ISW-ACC603L Necklace (simulated leather)	ISW-ACC603L
Simulated leather necklace for ISW-EN1233x pendants	
Commercial Wireless ISW-ACC603M Necklace (metal)	ISW-ACC603M
Metal necklace for ISW-EN1233x pendants	
Commercial Wireless ISW-ACC603P Necklace (Plastic)	ISW-ACC603P
Plastic necklace for ISW-EN1233x pendants	

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