


BOSCH

Invented for life

Commercial Wireless ISW-EN1223x Water-resistant Pendant Transmitters



- ▶ **Water-resistant**
- ▶ **LED**
- ▶ **Single- or double-button activation**
- ▶ **State-of-the-art wireless technology**
- ▶ **Supervised radio link**
- ▶ **Includes neck cord, belt clip, and battery**
- ▶ **Exclusive wireless protocol ensures maximum performance and reliability**

The ISW-EN1223D and the ISW-EN1223S pendant transmitters are water-resistant and weigh less than 40 g (1.4 oz). Users can wear the pendants on a neck cord or belt clip. These pendants are designed to meet the needs of patrolling guards, bank employees, and retail store employees.

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.

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

Users can wear the pendant on a neck cord or belt clip. The water-resistant enclosure protects the pendant if users wear it in damp conditions.

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 [ISW-EN1223D only] NBSX: Household Burglar Alarm System Units (ANSI/UL 1023), NBSX7: Household Burglar Alarm System Units Certified for Canada (ULC/ORD-C1023)

Inovonics Wireless Corporation holds the following approvals:

US	FCC	Conforms to FCC Part 15 regulations
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Installation/Configuration Notes

Compatibility Information

The ISW-EN1223x Water-resistant Pendant 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	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 CR2450, RenataCR2450, Sanyo CR2450, or approved equivalent. Not all brands are equivalent. Use a specified brand.
Battery Life (Average):	1 to 2 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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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

Commercial Wireless ISW-EN1223D Water-resistant Pendant Transmitter (Double-button) Double-button water-resistant pendant transmitter	ISW-EN1223D
Commercial Wireless ISW-EN1223S Water-resistant Pendant Transmitter (Single-button) Single-button, water-resistant pendant transmitter	ISW-EN1223S
Commercial Wireless ISW-EN1223SK Survey Pendant Dedicated site survey transmitter for use with the ISW-EN4016SK Survey Receiver	ISW-EN1223SK
Accessories	
Commercial Wireless ISW-ACC623A Accessory Pack (white) White neck clip, belt clip, and plastic necklace for ISW-EN1223x Water-resistant Pendant-Transmitters	ISW-ACC623A
Commercial Wireless ISW-ACC623B Accessory Pack (black) Black neck clip and belt clip and white plastic necklace for ISW-EN1223x Water-resistant Pendant-Transmitters	ISW-ACC623B
Commercial Wireless ISW-ACC623L Large Wrist Strap Fits wrists from 165 mm to 218 mm (6.5 in. to 8.6 in.) to convert Commercial Wireless water-resistant pendants to wristband-style pendants.	ISW-ACC623L
Commercial Wireless ISW-ACC623S Small Wrist Strap Fits wrists from 135 mm to 177 mm (5.3 in. to 7 in.) to convert Commercial Wireless water-resistant pendants to wristband-style pendants.	ISW-ACC623S

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: +31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
38C Jalan Pemimpin
Singapore 577180
Phone: +65 6319 3453
Fax: +65 6319 3499
apr.securitysystems@bosch.com
www.boschsecurity.com

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