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# Commercial Wireless ISW-EN1235x Beltclip Pendant Transmitters



- ▶ **Single- or double-button activation**
- ▶ **State-of-the-art radio**
- ▶ **Supervised radio link**
- ▶ **Includes belt clip and battery**
- ▶ **Exclusive wireless protocol ensures maximum performance and reliability**

The ISW-EN1235S and the ISW-EN1235D Beltclip 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

### Design

Users can wear the pendant or installers can mount the pendant in a fixed location.

### 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**

The ISW-EN1235x Beltclip 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	Belt clip
1	3.0 V battery

**Technical Specifications**

**Electrical**

Power:	3.0 V, 0.5 Ah
Battery Replacement:	Panasonic CR2450, Renata CR2450, 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.

**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

**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-EN1235D Beltclip Pendant Transmitter (Double-button)</b>	<b>ISW-EN1235D</b>
Double-button beltclip pendant transmitter	
<b>Commercial Wireless ISW-EN1235S Beltclip Pendant Transmitter (Single-button)</b>	<b>ISW-EN1235S</b>
Single-button beltclip pendant transmitter	

**Accessories**

<b>Commercial Wireless ISW-ACC605-BK10 Belt Clip (Black, 10 pack)</b>	<b>ISW-ACC605-BK10</b>
Use with ISW-EN1235S or ISW-EN1235D Belt-clip Pendants. Shipped in packages of ten	

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