Commercial Wireless ISW-EN7280 Serial Receiver with Interface Kit

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Invented for life

▶ Integration of Commercial Wireless products with G Series Control Panels

▶ Allows connection of an additional ISW-EN4200 Serial Receiver

▶ Point annunciation for each wireless device

▶ Wireless registration

▶ Support for up to 234 fully-supervised wireless points

The ISW-EN7280 Serial Receiver with Interface Kit seamlessly integrates Commercial Wireless platform transmitters into a wireless network with G Series Control Panels. Connecting through the ISW-D8125CW Commercial Wireless Interface Module, the ISW-EN7280 provides individual point annunciation with trouble conditions for each transmitter.

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

Wireless Registration
There is no external programmer required. The transmitter is enrolled using a wireless programming routine built into the receiver. Wireless registration reduces installation time.

Secure Wireless Implementation
Jam detection monitors all channels for the presence of interference for more than 20 sec. A reset terminal is inside the receiver, allowing the receiver to accept external reset signals. The receiver includes a case tamper and internal antennas for added security.

Supervision and Expansion

Transmitter supervisory check-in and a transmitter specific supervisory window, defined in the receiver, support sites with both removable pendants and fixed-position transmitters. The technology also supervises repeaters.

Certifications and approvals

Inovonics Wireless Corporation holds the following approvals:

FCC	Conforms to FCC Part 15 regulations

Installation/configuration notes

Compatibility Information

The ISW-EN7280 Serial Receiver with Interface Kit is compatible with the following:

Control Panels

D7212GV2 and D7212G

D7412GV2 and D7412G

D9412GV2 and D9412G

Wirless Interface Module

ISW-D8125CW	Commercial Wireless Interface Module

Receivers

ISW-EN4204R	LED Receiver
ISW-EN4216R	LCD Receiver

Repeaters

ISW-EN5040-T	High-power Repeater

Transmitters

ISW-EN1210	Universal Transmitter (Single-input)
ISW-EN1210EOL	Universal Transmitter with EOL Resistor
ISW-EN1210SK	Survey Transmitter
ISW-EN1210W	Door-Window Transmitter with Reed Switch
ISW-EN1215EOL	Universal Transmitter with Wall Tamper and EOL Resistor
ISW-EN1215WEOL	Door-Window Transmitter with Wall Tamper, Reed Switch, and EOL Resistor
ISW-EN1223D	Water-resistant Pendant Transmitter (Double-button)
ISW-EN1223S	Water-resistant Pendant Transmitter (Single-button)

ISW-EN1223SK	Survey Pendant Transmitter
ISW-EN1233D	Necklace Pendant Transmitter (Double-button)
ISW-EN1233S	Necklace Pendant Transmitter (Single-button)
ISW-EN1235D	Beltclip Pendant Transmitter (Double-button)
ISW-EN1235S	Beltclip Pendant Transmitter (Single-button)
ISW-EN1235DF	Fixed-location Transmitter (Double-button)
ISW-EN1235SF	Fixed-location Transmitter (Double-button)
ISW-EN1242	Smoke Detector-Transmitter
ISW-EN1247	Glass-break Sensor Transmitter
ISW-EN1249	Billtrap Transmitter
ISW-EN1260	PIR Motion Sensor-Transmitter (Commercial and High-end Domestic Applications)
ISW-EN1261HT	PIR Motion Sensor-Transmitter (High-traffic Areas)
ISW-EN1262	PIR Motion Sensor-Transmitter (Residential and Low-traffic Commercial Applications)
ISW-EN1265	PIR Motion Sensor-Transmitter (Ceiling-mount Applications)

Mounting Considerations

The ISW-EN4200 Serial Receiver and the ISW-TRL8080 Translator Module can be housed in a single enclosure to mount adjacent to the ISW-D8125CW Commercial Wireless Interface Module. It is also possible to put the ISW-TRL8080 in a separate housing, so that the receiver can be mounted in a remote location from the control panel.

Parts included

Quantity	Component
1	ISW-EN4200 Serial Receiver
1	ISW-TRL8080 Translator Module
1	Transmitter programming cable

Technical specifications

Electrical

Current Draw (total):	100 mA to 110 mA
Power Requirements:	10 VDC to 14 VDC

Environmental

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

Mechanical

Material:	ABS
Closure:	Latching with optional screws for high security installations

Dimensions:	16.5 cm x 8.9 cm x 2.5 cm (6.5 in. x 3.5 in. x 1 in.)
Weight:	204 g (7.2 oz)

Reception Characteristics

Frequency:	902 MHz to 928 MHz
Wireless Points:	Supports up to 234

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Ordering information

Commercial Wireless ISW-EN7280 Serial Receiver with Interface Kit
Includes one ISW-EN4200 Serial Receiver, one ISW-TRL8080 Translator Module, and one ISW-ACC664 Replacement Cable; supports up to 234 fully-supervised wireless points.
Order number **ISW-EN7280**

Accessories

Commercial Wireless ISW-ACC664 Replacement Cable
Replacement transmitter programming cable used to connect the ISW-TRL8080 Translator to the ISW-D8125CW Commercial Wireless Interface Module
Order number **ISW-ACC664**