

EN7280 EchoStream Serial Receiver

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- ▶ Integration of Inovonics EchoStream products with G Series Control Panels
- ▶ Allows connection of an additional EN4200 Serial Receiver
- ▶ Point annunciation for each wireless device
- ▶ Wireless registration
- ▶ Support for up to 234 fully-supervised wireless points

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

System overview

Powered by Inovonics

The Inovonics EchoStream 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 Inovonics EchoStream products.

Wireless 900 MHz Band

The Inovonics EchoStream 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 EN7280 Serial Receiver with Interface Kit is compatible with the following:

Control Panels

D7212GV2 and D7212G

D7412GV2 and D7412G

D9412GV2 and D9412G

Wireless Interface Module

D8125CW	Inovonics EchoStream Interface Module

Receivers

EN4204R	LED Receiver
EN4216R	LCD Receiver

Repeaters

EN5040-T	High-power Repeater

Transmitters

EN1210	Universal Transmitter (Single-input)
EN1210EOL	Universal Transmitter with EOL Resistor
EN1210SK	Survey Transmitter
EN1210W	Door-Window Transmitter with Reed Switch
EN1215EOL	Universal Transmitter with Wall Tamper and EOL Resistor
EN1215WEOL	Door-Window Transmitter with Wall Tamper, Reed Switch, and EOL Resistor
EN1223D	Water-resistant Pendant Transmitter (Double-button)
EN1223S	Water-resistant Pendant Transmitter (Single-button)
EN1223SK	Survey Pendant Transmitter
EN1233D	Necklace Pendant Transmitter (Double-button)
EN1233S	Necklace Pendant Transmitter (Single-button)
EN1235D	Beltclip Pendant Transmitter (Double-button)

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

Mounting Considerations

The EN4200 Serial Receiver and the TRL8080 Translator Module can be housed in a single enclosure to mount adjacent to the D8125CW Inovonics EchoStream Interface Module. It is also possible to put the 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	EN4200 Serial Receiver
1	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

EN7280 EchoStream Serial Receiver

Includes one EN4200 Serial Receiver, and one TRL8080 Translator Module; supports up to 234 fully-supervised wireless points.

Order number **EN7280**

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