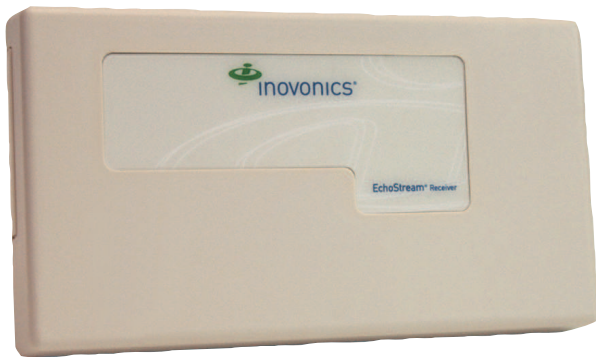


EN4200 Receiver



The EN4200 Serial Receiver is a gateway between security transmitters and a Bosch Security Systems, Inc. control panel. The EN4200 decodes radio frequency (RF) transmissions from end devices and high-power repeaters, and then outputs the data to the panel via a wireless interface module.

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.

- ▶ Decoding of RF transmissions for use by the interface and control panel
- ▶ Uses reliable frequency-hopping, spread-spectrum technology
- ▶ Serial integration with hundreds to thousands of wireless devices

Secure Wireless Implementation

Jam detection monitors all channels for the presence of interference for more than 20 seconds. 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.

Regulatory information

Inovonics Wireless Corporation holds the following approvals:

FCC Conforms to FCC Part 15 regulations

Installation/configuration notes

Compatibility Information

The EN4200 Serial Receiver is compatible with the following products:

Control Panels

All versions of the B9512G, B8512G

All versions of B6512, B5512, B4512, and B3512

All versions of the D9412GV4, D9412GV3, D9412GV2, and D9412G

All versions of the D7412GV4, D7412GV3 and D7412GV2; v6.30 or higher of the D7412G

All versions of the D7212GV4, D7212GV3 and D7212GV2; v6.41 or higher of the D7212G

Wireless Interface Module

B820	SDI2 Inovonics EchoStream Interface Module
ISW-D8125CW-V2	Zonex Inovonics EchoStream Interface Module

Repeaters

EN5040-T	High-power Repeater
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Transmitters

All Bosch Security Systems, Inc. Inovonics EchoStream transmitters

Parts included

Quantity	Component
1	EN4200 Serial Receiver

Technical specifications

Mechanical

Dimensions (H x W x D) (cm)	16.20 cm x 9.40 cm x 2.80 cm
Dimensions (H x W x D) (in)	6.40 in x 1.10 in x 3.6 in
Weight (g)	133 g
Weight (oz)	4.7 oz

Environmental

Operating temperature (°C)	0 °C – 60 °C
Operating temperature (°F)	32 °F – 140 °F
Operating relative humidity, non-condensing (%)	0% – 90%

Electrical

Operating voltage (VDC)	10 VDC – 14 VDC
Nominal current (mA)	100 mA

Reception Characteristics

Frequency Compatibility: 901 MHz to 928 MHz

Trademarks

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Inovonics is a trademark of Inovonics Wireless Corporation.

Ordering information

EN4200 Receiver

Contains EN4200 Serial Receiver.
Order number **EN4200 | F.01U.032.349**

Accessories

ENKIT-01 Interface and receiver kit

Kit containing ISW-D8125CW-V2 and EN4200 for use on Zonex bus G Series panels.
Order number **ENKIT-01 | F.01U.215.122**

ENKIT-SDI2 Kit B820/EN4200

Kit containing B820 and EN4200 for use on SDI2 bus panels.
Order number **ENKIT-SDI2 | F.01U.263.632**

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