EN4200 Serial Receiver

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BOSCH
Invented for life

- 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

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 panal 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.

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.

Certifications and approvals

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 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

Transmitters

All Bosch Security Systems, Inc. Inovonics EchoStream transmitters

Parts included

Quant.	Component
1	EN4200 Serial Receiver

Technical specifications

Electrical

Power:	10 to 14 V, 100 mA

Environmental

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

Mechanical

Dimensions:	16.2 cm x 9.4 cm x 2.8 cm (6.4 in. x 3.6 in. x 1.1 in.)
Weight:	133 g (4.7 oz)

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 Serial Receiver
Contains EN4200 Serial Receiver.
Order number **EN4200**

Accessories

Zonex Interface and Receiver Kit
Kit containing ISW-D8125CW-V2 and EN4200 for use on Zonex bus G Series panels.
Order number **ENKIT-01**

SDI2 Inovonics Interface and Receiver Kit
Kit containing B820 and EN4200 for use on SDI2 bus panels.
Order number **ENKIT-SDI2**

Represented by:

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
5617 BA 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
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

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