EN4216R Wireless LCD Receiver

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Invented for life

▶ Monitors up to 16 transmitters or repeaters

▶ Text display (LCD)

▶ Cost-effective solution for small systems

▶ Flexible alarm and fault output

▶ Wireless registration

The EN4216R LCD Receiver integrates up to sixteen 900 MHz wireless transmitters into any application. The Inovonics EchoStream platform uses diversity reception and advanced signal processing to reduce dead spots in transmission areas. The liquid crystal display (LCD) allows the user to view the current status of all transmitters and view the history of events. Each receiver stores up to 50 events. The receiver provides versatile options for adding high performance wireless to an installation.

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

Flexible Outputs

Transmitters and repeater faults and alarms map to any of the receiver models.

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.

Status Indication

The LCD shows the current condition of each transmitter. The LCD also provides a history of past events including activation, tamper, low battery, and inactivity.

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.

Enroll, supervise, and map up to sixteen wireless transmitters and repeaters using the appropriate outputs. Configure transmitters and repeaters individually to best suit the application.

Certifications and approvals

Inovonics Wireless Corporation holds the following approvals:

FCC   Conforms to FCC Part 15 regulations

Installation/configuration notes

Compatibility Information

The EN4216R LCD Receiver is compatible with the following products:

Repeater

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)

Parts included

Quant.	Component
1	EN4216R Receiver
1	Hardware pack
1	Literature – Installation and Operation Manual

Technical specifications

Electrical

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)

Outputs

Rating:	1 A, 28 VDC, or 0.5 A, 30 VAC (resistive)
Types:	• Six on-board Form C relays for connecting to any control panel or for stand-alone wireless applications (NO or NC) • One NO Receiver case tamper contact closure • One NC Receiver jam input indication

Reception Characteristics

Frequency Compatibility:	902 MHz to 928 MHz
Transmitters:	Supports up to 16

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Ordering information

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Order number **EN4216R**