

The Leader in Commercial Grade Wireless



Receivers

Receivers are the communication link between the wireless network and a security panel or an integrated application. Our family of receivers offer the ultimate flexibility for managing and monitoring the EchoStream wireless network. Choose between add-on receivers, providing wireless to virtually any control panel or a serial receiver which fully integrates Inovonics wireless to industry leading control panels and integrator developed, or PC based applications. All receivers feature Inovonics EchoStream technology with diversity reception and advanced signal processing to minimize "nulls" or dead spots, and provide superior performance in RF noisy environments.

Why Inovonics Wireless is Best

The Inovonics Commercial Mesh Network has been specifically developed for commercial applications to provide the most cost-effective solution for a wide range of applications, while setting new standards for performance and reliability in a wireless sensor network.

Reliability

Inovonics EchoStream 900MHz radio utilizes a unique frequency hopping, spread spectrum technology to meet the demands of an increasingly cluttered wireless world.

Flexibility

The flexibility of wireless is a necessity in today's dynamic commercial environments. The self-configuring EchoStream Commercial Mesh Network allows you to adapt to changing floor plans and requirements in a matter of minutes. New sensors can be added to the network as fast as they can be mounted.

Scalability

The EchoStream Commercial Mesh Network's backbone of intelligent repeaters can extend coverage to thousands of sensors across entire commercial campuses.





Add-On Receiver Features

- Open collector or relay based add-on receivers available.
- Open collector versions support a normally open (N/O) or normally closed (N/C) configuration.
- For N/O configuration, output is open relative to ground. Upon activation, output pulls to common ground.
- For N/C configuration, output is held at common ground. Upon activation, output releases to open circuit.
- Relay based versions have either five (EN4216R) or four (EN4204R) on-board Type C relays for N/O or N/C operation.
- Jam detection monitors all channels for presence of interference.
- A reset terminal is provided in the receiver to allow for externalized receiver resets.
- A tamper terminal is provided in the receiver to allow for externalized tampers.

Add-On Receiver Specifications									
Receiver	Frequency	Dimensions	Power requirements	Max current	# of transmitters	Open collector outputs	Relay outputs		
EN4232	900MHz	6.5x3.5x1.0"	10-14VDC	400mA	32	11 alarm / 1 fault	-		
EN4216R	900MHz	6.5x3.5x1.0"	10-14VDC	400mA	16	-	5 alarm / 1 fault		
EN4216	900MHz	6.5x3.5x1.0"	10-14VDC	400mA	16	8 alarm / 1 fault	-		
EN4204R	900MHz	6.5x3.5x1.0"	10-14VDC	400mA	4	-	4 alarm / 1 fault		
EN4204	900MHz	6.5x3.5x1.0"	10-14VDC	400mA	4	4 alarm / 1 fault	-		

Serial Receiver Features

RoHS

- Wireless gateway between EchoStream one-way transmitters and a head-end application using an RS-232 serial interface.
- EN4000 enables the integration of security, temperature and analog transmitters.
- EN4200 enables the integration of one-way security transmitters and an head end application using an RS-232 serial interface.
- Jam detection monitors all channels for presence of interference.

Serial Receiver Specifications										
Receiver	Frequency	Dimensions	Power requirements	Max current						
EN4200	900MHz	6.5x3.5x1.0"	10-14VDC	100mA						
EN4000	900MHz	6.5x3.5x1.0"	10-14VDC	100mA						

• Serial receivers require integration with the control panel, PC application or other control device.

• Operating environment: 32° to 140°F, up to 90% relative humidity (non-condensing).

• The range and performance of any wireless product depends on the structure and environment in which it operates.

Continual enhancements to our products may cause specifications to change without notice.

· Visit www.inovonics.com for updated UL information.

0412.8-DS0005