EN1210 Series Universal Transmitters

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Invented for life

▶ Programmable as normally-open (NO) or normally-closed (NC)

▶ Small unobtrusive design

▶ Fully supervised

▶ Includes battery, case tamper, and mounting bracket

▶ Exclusive wireless protocol ensures maximum performance and reliability

The Universal Transmitters can make nearly any normally-open (NO) or normally-closed (NC) sensor a wireless device. The Universal Transmitters work with shock sensors, holdup buttons, pressure mats, temperature sensors, status relays, other devices. The line of universal transmitters contains the following products:

- EN1210 Universal Transmitter (Single-input)
- EN1210EOL Universal Transmitter with EOL Resistor
- EN1210SK Survey Transmitter
- EN1210W Door-Window Transmitter with Reed Switch
- EN1210-3600 Universal Transmitter (1 hr check-in)

The Inovonics EchoStream platform uses diversity reception and advanced signal processing to reduce dead spots in transmission areas. The transmitters have superior range and reliability, and are ideally suited for commercial or residential installations. They are fully supervised and include a battery, a case tamper, and a mounting bracket.

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.

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

NO or NC Operation

The universal transmitters work with any standard NO or NC contact (15 ms duration) or sensor.

Supervision

The cover tamper and battery activity are supervised. Monitoring helps ensure reliable operation.

Design
The small, unobtrusive design of the transmitters makes them suitable for multiple design needs.

Cover Tamper
The cover tamper switch notifies the system when an intruder attempts to remove the transmitter cover.

Certifications and approvals

Inovonics Wireless Corporation also holds the following approvals:

FCC   Conforms to FCC Part 15 regulations

Region	Certification	
Brazil	ANATEL	0881-10-5164 [EN1020EOL, EN1210W, EN1210]

Installation/configuration notes

The Universal Transmitters are compatible with the following products:

Receivers

EN4016SK	Survey Receiver
EN4200	Serial Receiver
EN4204R	LED Receiver

Repeater

EN5040-T	High-power Repeater

Mounting Considerations
The transmitters include a mounting bracket that hinges to the transmitter for easy installation. Installers simply mount the bracket and snap the transmitter into place.

Parts included

EN1210

Quant.	Component
1	Transmitter with cover tamper
1	3.0 V lithium battery
1	Mounting bracket
1	Hardware pack
1	Literature – Installation Instructions

EN1210EOL

Quant.	Component
1	Transmitter with cover tamper and EOL resistor
1	3.0 V lithium battery
1	Mounting bracket
1	Hardware pack
1	Literature – Installation Instructions

EN1210SK

Quant.	Component
1	Transmitter with cover tamper and clear plastic case
1	3.0 V lithium battery
1	Mounting bracket
1	Hardware pack
1	Literature – Installation Instructions

EN1210W

Quant.	Component
1	Transmitter with cover tamper and reed switch
1	Magnet
1	3.0 V lithium battery
1	Mounting bracket
1	Hardware pack
1	Literature – Installation Instructions

EN1210-3600

Quant.	Component
1	Transmitter with cover tamper
1	3.0 V lithium battery
1	Mounting bracket
1	Hardware pack
1	Literature – Installation Instructions

Technical specifications

Electrical

Power:	3.0 V, 1.4 Ah
Battery Replacement:	Duracell DL123A, Panasonic CR123A, or approved equivalent. Not all brands are equivalent. Use a specified brand.
Battery Life (Average):	3 to 5 years. Typical battery life shown assumes operating temperatures of +20℃ to +30℃ (+68℉ to +86℉)

Environmental

Relative Humidity:	Up to 90% , non-condensing
Temperature (operating):	-20℃ to +60℃ (-4℉ to +140℉)

Mechanical

Dimensions:	8.9 cm x 4.3 cm x 2.3 cm (3.5 in. x 1.7 in. x 0.9 in.)

Transmission Characteristics

Frequency:	902 MHz to 928 MHz
Check-in Time:	

EN1210-3600	1 hour
All other models:	3 min

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