

# EN1215 Series Universal Transmitters

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- ▶ Programmable as normally-open (NO) or normally-closed (NC)
- ▶ Small unobtrusive design
- ▶ Fully supervised
- ▶ Includes screw-closure housing, cover tamper, wall tamper
- ▶ Includes EOL resistor

These universal transmitters can make most normally-open (NO) or normally-closed (NC) sensors into wireless devices. The transmitters work with shock sensors, holdup buttons, pressure mats, temperature sensors, status relays, and other devices. They are designed for installations that require more security. They are fully supervised and include screw-closure housings, cover tampers, and wall tampers.

This line of universal transmitters includes:

- EN1215EOL Universal Transmitter with Wall Tamper and EOL Resistor
- EN1215WEOL Universal Transmitter with Wall Tamper, Reed Switch, and EOL Resistor

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.

## 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

### NO or N/C Operation

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

### Supervision

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

### Wall Tamper and Cover Tamper

The wall tamper switch provides increased security and is ideal for high-end residential applications. The wall tamper switch notifies the system when the transmitter is removed from its mounted surface. The cover tamper switch notifies the system when an intruder attempts to remove the transmitter cover.

### Design

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

### Certifications and approvals

Inovonics Wireless Corporation also holds the following approvals.

FCC      Conforms to FCC Part 15 regulations

### Installation/configuration notes

These universal transmitters are compatible with the following products:

#### Receivers

EN4016SK	Survey Receiver
EN4200	Serial receiver
EN4204R	LED Receiver

#### Repeater

EN5040-T	High-power Repeater
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### Parts included

#### EN1215EOL

Quant.	Component
1	Transmitter with screw-closure housing, cover tamper, and wall tamper
1	3.0 V lithium battery
1	2.2 kΩ EOL resistor
1	Mounting bracket
1	Hardware pack
1	Literature – Installation Instructions

#### EN1215WEOL

Quantity	Component
1	Transmitter with screw-closure housing, cover tamper, wall tamper, and magnetic reed switch
1	Magnet
1	2.2 kΩ EOL resistor
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):	3-5 years. Typical battery life shown assumes operating temperatures of +20°C to +30°C (+68°F to +86°F)

#### Environmental

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

#### Mechanical

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

Frequency:	902 MHz to 928 MHz
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**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