



# EE1215W EchoStream® Door/Window Transmitter with Wall Tamper and Reed Switch

Installation Instructions - 04932C

## 1 Overview

The Inovonics EE1215W door/window transmitter with wall tamper and reed switch comes with a magnet that supports a 16mm (5/8") gap, and can also monitor one normally open or normally closed external contact. The EE1215W has both case and wall tamper switches, and the housing can be secured with screws.

**Note:** If you are using an add-on receiver, you must use the reed switch.

The EE1215W is compliant with:

- EN50131-2-6
- Security Grade 2
- Environmental Class II

### 1.1 Inovonics Contact Information

If you have any problems with this procedure, contact Inovonics technical services:

- E-mail: support@inovonics.com
- Phone: (800) 782-2709

### 1.2 EE1215W Components

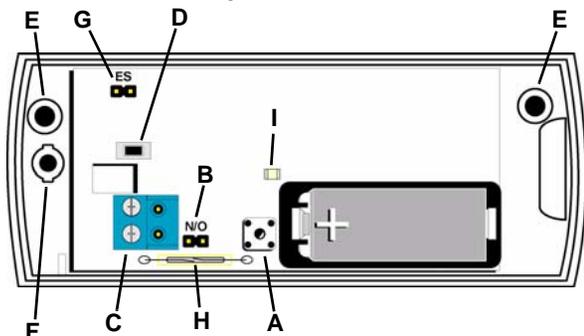


Figure 1 EE1215W components

- |  |                        |
|--|------------------------|
| A Housing tamper button                          | B NO/NC selection pins |
| C Input terminal                                 | D Reset button         |
| E Wall-mount screw holes                         | F Housing screw hole   |
| G EchoStream select compatibility selection pins | H Reed switch          |
| I Transmit LED                                   |                        |

## 2 Installation and Startup

### 2.1 Install/Replace the Battery

1. If replacing the battery, remove the housing screw.
2. Insert a small screwdriver to depress the housing release tab on the bottom of the transmitter; twist the screwdriver to open the housing.

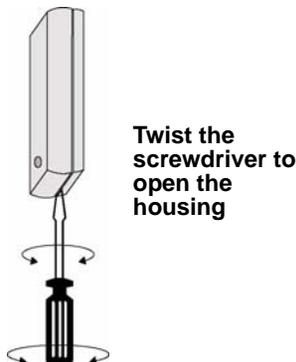


Figure 2 Open the EE1215W Housing

3. If replacing a battery, remove the old battery.
4. Install the new battery.
5. Press the **Reset** button to initialize the transmitter.
6. Test the transmitter and ensure appropriate response.

### 2.2 Select Input Type

The NO/NC selection pins select a normally open (NO) or normally closed (NC) state for the contact circuit wired to the input terminal.

1. Place a selection jumper on the NO/NC selection pins to select normally open; leave the jumper off the pins to select normally closed.
2. Press the **Reset** button.

**Caution:** If only the reed switch is to be used, normally open must be selected for the external contact.

### 2.3 Select the EchoStream Select Compatibility

To meet ETSI requirements, Inovonics has developed a new line of EE 868MHz-only products. These new 868MHz-only products are compatible with older systems that include EchoStream select products. If you are using any ES products in your current system, you will need to enable EchoStream select compatibility on this new 868MHz-only product.

To enable/disable EchoStream select compatibility:

1. To enable compatibility with ES products, place a selection jumper on the enable EchoStream select compatibility selection pins.
2. If no ES products are used in your system, remove the selection jumper from the EchoStream select compatibility selection pins.
3. Press the **Reset** button.

### 2.4 Register the EE1215W

Transmitters must be registered with the system in order to be monitored and supervised. When supervised, the transmitter will send a check-in message to the receiver. Transmitters using the 868MHz frequency range for Europe will send a check-in message every 12 minutes; all other transmitters will send a check-in message every three minutes. Each transmitter has a unique factory-programmed identification number. Refer to the receiver installation instructions for details on registering a transmitter.

1. When prompted by the receiver to reset transmitter, press the **Reset** button.
2. Test the transmitter and ensure appropriate response.

### 2.5 Mount the EE1215W

1. Choose a mounting location that will allow the magnet to be located parallel to the transmitter such that there is no more than a 16 mm (5/8") gap between it and the internal contact magnetic reed switch, and on a non-ferromagnetic surface.
2. Route the external wiring through the wall, as shown in Figure 3.

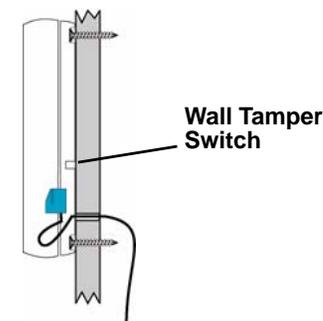


Figure 3 Mount the Transmitter to the Wall

3. Mount the transmitter to the wall using the wall-mount screw holes, ensuring the housing is flush against the wall and the wall tamper switch is firmly depressed.
4. Close the housing.
5. Mount the magnet on a non-ferromagnetic surface so that it is parallel to the transmitter with no more than a 16mm (5/8") gap between it and the internal contact magnetic reed switch.
6. Secure the housing through the enclosed housing screw hole.

### 3 Specifications

**External contacts:** N/O or N/C

**Distance, external contact to transmitter:** 3m (10 ft) maximum

**Mounting distance, magnet to internal magnetic reed switch:** 16mm (5/8")

**Mounting surface:** Non-ferromagnetic surface

**Make/break distance, magnet to magnetic reed switch:** make 26mm / break 27mm

**Power requirements:** 3VDC, 60 mA

**Quiescent current:** >10 uA

**Low battery detection:** 2.4VDC

**Typical battery life:** 3-5 years

**Battery type (BAT604):** Panasonic CR123A or equivalent

**Tamper:** Type B, fixed/mounted

**Operating environment:** -10° to 60°C (14° to 140°F), up to %90 relative humidity noncondensing

**Dimensions:** 10.5 x 4.5 x 2.3 cm (4.1 x 1.8 x 0.9")

**Weight:** 98g (3.4 ounces)

**RF frequency range:** 868-869 MHz

**Compliance:** EN50131-2-6; Security Grade 2; Environmental class II

**Certification:** Telefication B.V.

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**Note:** Specifications and data are subject to change without notice.

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### 4 Warranty and Disclaimer

Inovonics Wireless Corporation ("Inovonics") warrants its products ("Product" or "Products") to conform to its own specifications and to be free of defects in materials and workmanship under normal use for a period of thirty-six (36) months from the date of manufacture. Within the warranty period, Inovonics will repair or replace, at its option, all or any part of the warranted Product. Inovonics will not be responsible for dismantling and/or reinstallation charges. To exercise the warranty, the User ("User", "Installer" or "Consumer") must work directly through their authorized distributor who will be given a Return Material Authorization ("RMA") Number by Inovonics. Details of shipment will be arranged directly through the authorized distributor.

This warranty is void in cases of improper installation, misuse, failure to follow installation and operating instructions, alteration, accident or tampering, and repair by anyone other than Inovonics.

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