



## EN1215WEOL Door/Window with Wall Tamper and EOL Installation Instructions

### 1 Overview

The Inovonics EN1215WEOL door/window with wall tamper and EOL has a built-in magnetic reed switch on the side, with a magnet that supports a 5/8" inch gap. The magnetic reed switch can be used with both ferrous and non-ferrous material. A 2.2K ohm end of line resistor is included with the EN1215WEOL, and is required for operation.

The EN1215WEOL includes a back tamper switch. The tamper condition must be defined within the control panel as a trouble condition when the system is disarmed, and as an alarm condition when the system is armed.

The door/window with wall tamper and EOL is available in North America, Australia and New Zealand; the radio frequency band has been configured for the appropriate geographic area at the factory.

**Note:** For UL installations, refer to the *EN4216MR Installation and Operation Manual*, the *EN4232MR Installation and Operation Manual*, or the *EN7290 EchoStream Receiver/Interface for Honeywell VISTA Panels Installation Instructions*. The switch contact must also be located in the same room as the EN1215WEOL, and the EN1215WEOL must be installed in accordance with UL 681 and ULc S302.

**Note:** The cable length from the switch contact must not to exceed 10 feet.

**Caution:** The EN1215WEOL contains both a wired input and an input activated by a reed switch and magnet. The reed switch and magnet must be used unless the application specifically supports both inputs as separate devices. Use of the wired input is optional.

### 1.1 Inovonics Contact Information



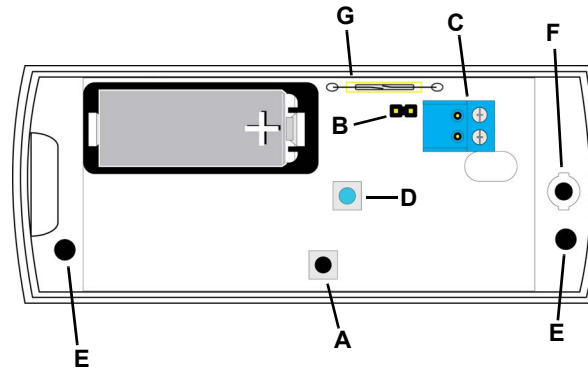
For product and installation videos visit us at [www.inovonics.com/videos](http://www.inovonics.com/videos) or use the QR code below.



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

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

### 1.2 EN1215WEOL Internal Components



**Figure 1** Door/window with wall tamper and EOL internal components

- A Combined housing/wall tamper switch  
B N/O - N/C jumper switch  
C Input terminal  
D Reset button  
E Wall-mount screw holes  
F Housing closure screw hole  
G Reed switch

## 2 Installation and Startup

### 2.1 Installation Notes

- These products are designed to be installed and maintained by professional security technicians.
- Products are intended for indoor use.
- Manually test all products weekly.

### 2.2 Battery Installation

1. Use your thumb to press the housing release tab on the bottom of the transmitter; separate the housing.
2. Install the battery.
3. Press the reset button to initialize the transmitter.
4. Test the transmitter and ensure appropriate response.

**Note:** When disposing of this device or depleted batteries, please do so in accordance with federal, state and local regulations.

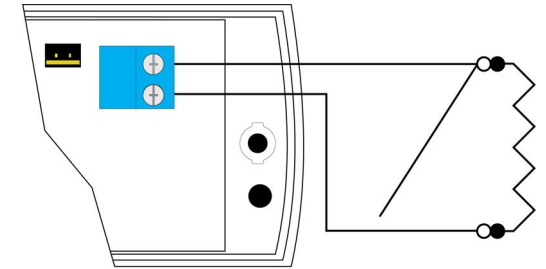
### 2.3 Select Input Type and Wire Resistor

The N/O-N/C selection pins allow the choice of a normally open or normally closed state for the contact circuit wired to the input terminal.

The transmitter is shipped set for normally open, with a selection jumper on the N/O selections pins.

#### Set for normally open operation:

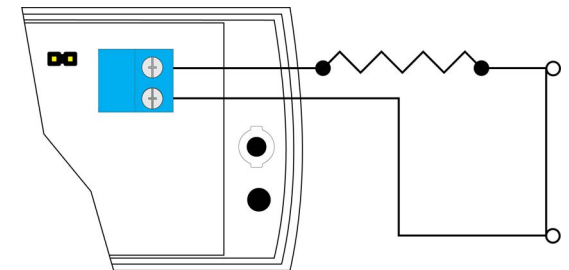
1. Place a selection jumper on the selection pins to select normally open.
2. Use 22 AWG wire to wire the 2.2K ohm resistor in parallel with the N/O contact per Figure 2. The distance from the external contact to the EN1215WEOL must not exceed 10 feet (3 meters).
3. Press the reset button to complete configuration.



**Figure 2** Wired for N/O operation

#### Set for normally closed operation:

1. Remove the selection jumper from the selection pins.
2. Use 22 AWG wire to wire the 2.2K ohm resistor in series with the N/C contact per Figure 3. The distance from the external contact to the EN1215WEOL must not exceed 10 feet (3 meters).
3. Press the reset button.



**Figure 3** Wired for N/C operation

### 2.4 Register the EN1215WEOL

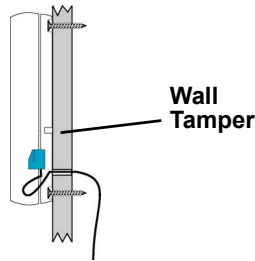
Transmitters must be registered with the system in order to be monitored and supervised. When supervised, the transmitter will send a check-in message to the receiver every three minutes. Each transmitter has a unique factory-programmed identification number.

Refer to the system receiver's documentation for details on registering the transmitter.

1. When prompted by the receiver to reset transmitter, press the reset button.
2. Replace the cover.
3. Test the transmitter and ensure appropriate response.

## 2.5 Mount the EN1215WEOL

1. Choose a mounting location which will allow the magnet to be located parallel to the transmitter such that there is no more than a 5/8" gap between it and the internal contact magnetic reed switch.
2. Route the external wiring through the wall, as shown in Figure 4.
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.



**Figure 4** Mount the Transmitter to the Wall

4. Close the housing.
5. Secure the housing through the enclosed housing screw hole. Accessing this screw on an active transmitter requires opening the housing and removing the battery, causing a tamper condition.
6. Mount the magnet so that it is parallel to the transmitter with no more than a 5/8" inch gap between it and the internal contact magnetic reed switch.

## 3 Specifications

**Note:** The 2.2K ohm resistor is required to operate the EN1215WEOL.

External contacts: N/O or N/C.

Distance, external contact to EN1215WEOL: 10 feet (3 meters) maximum.

Distance, magnet to internal contact magnetic reed switch: 5/8".

Power requirement: 3VDC, 60 mA.

Typical battery life: 3-5 years.

Battery type (BAT604): Panasonic CR123A.

Operating environment: 0 to 60°C (32 to 140°F), 90% relative humidity, noncondensing; 0 to 49°C (32 to 120°F) for UL installations.

UL listings: UL 634, Connectors and Switches for Use with Burglar-Alarm Systems, Edition 9, Revision Date 04/16/2020; ULC/ORD C634, CONNECTORS AND SWITCHES FOR USE WITH BURGLAR ALARM SYSTEMS, Edition 2, Issue Date 10/01/2016; UL 1023, Household Burglar-Alarm System Units, Edition 7, Revision Date 05/20/2021; Security Level 1 - CAN/ULC S304:2016, STANDARD FOR CONTROL UNITS, ACCESSORIES AND RECEIVING EQUIPMENT FOR INTRUSION ALARM SYSTEMS, Edition 3, Revision 2, Dated 12/6/2021; UL 2610, Commercial Premises Security Alarm Units and Systems, Edition 2, Issue Date 04/07/2021.

Compatible receiver: EN4204R, EN4216MR, EN4232MR, EN7290.

**Note:** Inovonics supports recycling and reuse whenever possible. Please recycle these parts using a certified electronics recycler.

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

## 4 Television and Radio Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## 5 FCC Part 15 and Innovation, Science and Economic Development Canada (ISED) Compliance

This device complies with part 15 of the FCC Rules, and ISED license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## 6 Radiation Exposure Limits

### 6.1 FCC

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm during normal operation and must not be co-located or operating in conjunction with any other antenna or transmitter.

## 6.2 ISED

This equipment complies with ISED RSS-102 radiation exposure limits set forth for an uncontrolled environment. This transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme avec ISED RSS-102 des limites d'exposition aux rayonnements définies pour un environnement non contrôlé. Cet émetteur doit être installé à au moins 20 cm de toute personne et ne doit pas être colocalisé ou fonctionner en association avec une autre antenne ou émetteur.

**Note:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** Inovonics commercializes products utilizing open source third party software. For additional information, please visit: <https://www.inovonics.com/support/embedded-third-party-licenses/>.