EH1115EOL EchoStream® Single Input Fire RF Transmitter

Installation Instructions

1 Overview

The Inovonics EH1115EOL EchoStream single input fire RF transmitter is designed to monitor water flow and pressure in piping and post indicator valves to send an alert when a fire protection system has been activated.

The Inovonics EH1115EOL EchoStream single input fire RF transmitter can be used with any standard contact or sensor. A 2.21K ohm end of line resistor is included with the EH1115EOL, and is required for operation.

The EH1115EOL EchoStream single input fire RF transmitter 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.

Note: Refer to the *EH4104R Single Zone Fire RF Receiver with Relay Outputs Installation Instructions* for complete installation details.

Note: The cable length from the switch contact must not to exceed 3 feet.

1.1 Inovonics Wireless 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 EH1115EOL Components

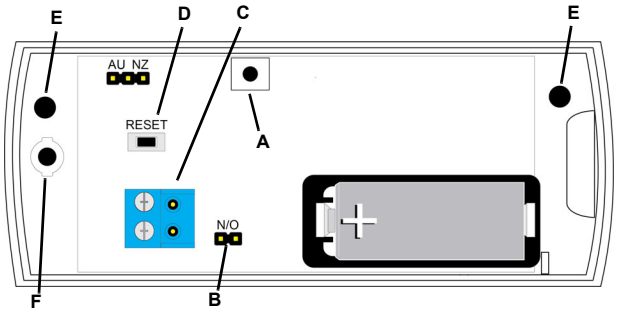

Figure 1 EH1115EOL components

A Housing tamper button
B N/O selection pins
C Input terminal
D Reset button
E Wall-mount screw holes
F Housing screw hole

1.3 What's In The Carton

- Wall mount screws
- Wall mount anchors
- Selection jumpers
- 3.0V lithium battery
- Housing closure screw
- UL listed Bosch Security Systems Inc. 2.21K ohm end of line resistor, part number 25899 (Inovonics P/N 105-00003-01).

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 Install the Battery

1. Insert a small screwdriver to depress the housing release tab on the bottom of the transmitter; pry the housing apart.

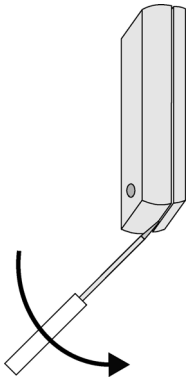

Figure 2 Open the EH1115EOL Housing

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

2.3 Wire the End of Line Resistor

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

Caution: Make sure not to remove the selection jumper from the N/O selection pins. The EH1115EOL will not function if the selection jumper is removed

Set for Normally Open Operation

1. Wire the 2.21K ohm resistor in parallel with the N/0 contact per Figure 3. The distance from the external contact to the EH1115EOL must not exceed 3 feet.
2. Press the reset button to complete configuration.

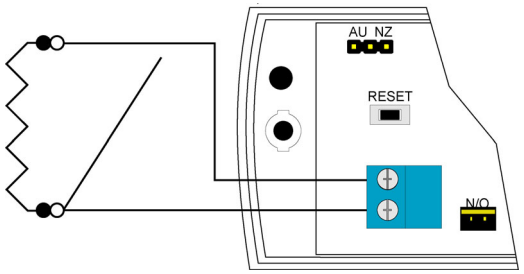

Figure 3 Wired for N/O operation

2.4 Register the EH1115EOL

The transmitter 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 one minute. 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 (Figure 1).
2. Replace the cover.
3. Test the transmitter and ensure appropriate response.

2.5 Mount the EH1115EOL

Note: All wiring shall be installed in accordance with the requirements of the National Fire Alarm and Signaling Code, NFPA 72.

1. Route the external wiring through the wall, as shown in Figure 4.
2. Mount the transmitter to the wall using the the wall-mount screw holes (Figure 1), ensuring the housing is flush against the wall and the wall tamper switch is firmly depressed.

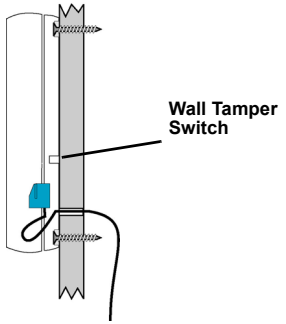

Figure 4 Mount the Transmitter to the Wall

3. Close the housing.
4. Secure the housing through the enclosed housing screw hole (Figure 1). Accessing this screw on an active transmitter requires opening the housing and removing the battery, causing a tamper condition.

3 Specifications

Note: The UL listed Bosch Security Systems Inc. 2.21K ohm end of line resistor, part number 25899 (Inovonics P/N 105-00003-01), is required to operate the EH1115EOL.

Dimensions: 3.5x1.7x0.9" (89x43x23 mm).

Weight: 3 oz (85g).

External contacts: N/O.

Distance, external contact to EH1115EOL: 3 feet maximum.

Power requirement: 3 VDC, 60 mA.

Typical battery life: One year.

Battery type (BAT604): Panasonic CR123A.

Operating environment: 0 to 60°C (32 to 140°F), 93% relative humidity, noncondensing.

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

UL listings: UL 864 10th Edition.

Compatible UL receiver: EH4104R.

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.