



# EE1723-BU Dual Input Temperature Sensor Installation Instructions

## 1 Overview

The Inovonics EE1723-BU provides internal measurement and external thermistor options in a single device. The on-board sensor is excellent for monitoring ambient indoor temperature, and the external sensor is user selectable to match your application.

### 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; (303) 939-9336.

### 1.2 EE1723-BU Components

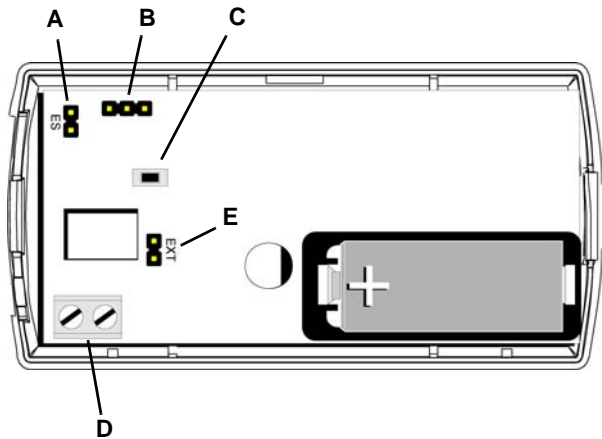


Figure 1 EE1723-BU components

- |                                      |                      |
|--------------------------------------|----------------------|
| A EchoStream Select pins             | B Programming header |
| C Reset button                       | D Terminal block     |
| E External thermistor selection pins |                      |

## 2 Installation and Startup

### 2.1 Installation Notes

- These products are designed to be maintained by professional security technicians.
- Products are tested for indoor use.
- All products should be manually tested weekly.

### 2.2 Install the Battery

1. Pry the top lip of the mounting bracket up, and lift the bracket off of the transmitter.
2. Use your thumb to depress the housing release tab on the bottom of the transmitter; separate the housing.

3. Install the new battery.
4. Press the **Reset** button to initialize the transmitter.

### 2.3 Mount an External Thermistor

The transmitter uses an on-board thermistor. If you want to use an external thermistor:

5. Wire the external thermistor using 24-gauge wire, no more than 40 feet long.
6. Route the external thermistor wiring through either the rectangular cutouts on the back of the housing and bracket, or through the rounded wiring cutout at the top of the housing.

**Note:** If you want to use the cutout at the top of the housing, you will need to trim the bracket.

7. Use a small screwdriver to attach the external thermistor wiring leads to the terminal block.
8. Place a jumper on the external thermistor selection pins, allowing the transmitter to use the external thermistor in addition to the on-board thermistor.

### 2.4 Enable EchoStream Select

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 868MHz-only product; if you are not using any EchoStream select products, skip to section 2.5, "Program the Transmitter".

To enable EchoStream select compatibility:

9. Place a selection jumper on the enable EchoStream Select pins.
10. Press the **Reset** button to complete the procedure.

### 2.5 Program the Transmitter

EE1723-BU transmitters are programmed at the factory. It is not usually necessary to reprogram EE1723-BU series transmitters. If you want to reprogram the transmitter, parameters can be changed using the programming header.

### 2.6 Mount the Transmitter

11. Attach the mounting bracket to the wall, using either screws or double-sided tape.

**Note:** There are two mounting holes for standard installation. An optional third mounting hole is located under the battery. Use the third mounting hole to secure the housing to the bracket.

12. Hook the bottom of the transmitter into the bracket's bottom catch, and press the transmitter into the bracket so that the bracket's top lip snaps into place.

## 3 Specifications

Dimensions: 89 mm x 43 mm x 23 mm (3.5"H x 1.7"W x .9"D).

Operating temperature: -20° to 60°C (-4° to 140°F).

Humidity: 0 - 90% (non-condensing).

Battery: BAT604 (Panasonic CR123A or equivalent).

Typical battery life: 8 years.

Power requirement: 3 VDC, 90mA.

RF frequency range: 868-869 MHz.

Output power: 25mW.

Firmware revision: 90654, v2.01

Countries in which Inovonics European products can be distributed:

Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom.

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

**Note:** Changes or modifications to this unit not expressly approved by Inovonics may void the installer's authority to operate the equipment as well as the product warranty.

#### **4 Simplified Declaration of Conformity**

Hereby, Inovonics declares that the radio equipment type EE1723-BU is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following Internet address: [www.inovonics.com](http://www.inovonics.com)

#### **5 US Patent Numbers**

- 7,154,866.
- 7,554,932.
- 7,746,804.
- Other patents pending.