



EN1723 Dual Input Temperature Sensor Installation Instructions - 05366B

1 Overview

The Inovonics EN1723 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 Wireless Contact Information

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

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

1.2 EN1723 Components

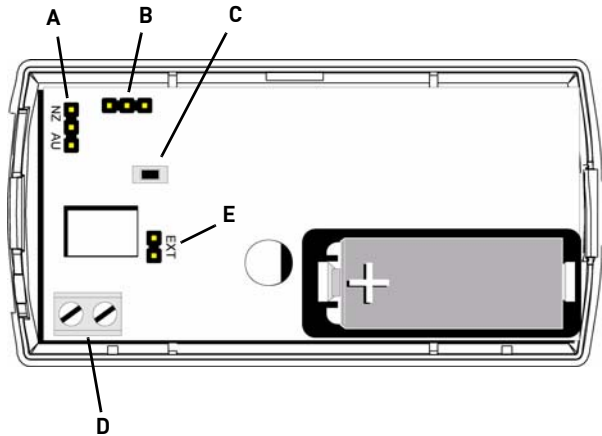


Figure 1 EN1723 components

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

2 Installation and Startup

2.1 Install/Replace 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.

2.2 Mount an External Thermistor

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

1. Wire the external thermistor using 24-gauge wire, no more than 40 feet long.
2. 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.

3. Use a small screwdriver to attach the external thermistor wiring leads to the terminal block.
4. Place a jumper on the external thermistor selection pins, allowing the transmitter to use the external thermistor in addition to the on-board thermistor.
5. Press the Reset button to complete configuration.

2.3 Select the Frequency Band

EchoStream products are able to use a range of radio frequencies, and must be configured for your geographic area. To configure the transmitter:

1. Place a selection jumper on the appropriate frequency band selection pins.
 - Place the jumper on the top two pins, marked NZ, to set the frequency range to 921-928 MHz for New Zealand.
 - Place the jumper on the bottom two pins, marked AU, to set the frequency range to 915-928 MHz for Australia.
 - Leave the jumper off the pins to set the frequency range to 902-928 MHz for North America.
2. Press the Reset button to complete configuration.

Caution: When pressing the Reset button, make sure you don't also touch the frequency band selection pins. Touching the frequency band selection pins while pressing the Reset button can inadvertently set the transmitter to the wrong frequency band.

3 Program the Transmitter

EN1723 transmitters are programmed at the factory. It is not usually necessary to reprogram EN1723 series transmitters. If you want to reprogram the transmitter, parameters can be changed using the programming header.

4 Mount the Transmitter

1. 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.

2. 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.

5 Warranty and Disclaimer

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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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