

Metal Flush Mount Room Temperature Sensor

Product Description

These Metal Flush Mount Room Temperature Sensors are self-contained, non-intrusive and tamper-resistant. They are available in both 10K ohm and 100K ohm thermistors, and 1K ohm RTD.

Product Numbers

540-984	10K ohm thermistor (Type II)
536-984	100K ohm thermistor
544-973	1K ohm Platinum (375 α) RTD

NOTE: The **540-984** sensor is not compatible with APOGEE controllers and is not intended for use with the TEC (Terminal Equipment Controller). This sensor does not have an RJ-11 jack. Any attempt to fit an RJ-11 jack to this sensor and connect it to a TEC will result in an inaccurate reading or no reading at all.

Required Tools

- 5/64-inch hex head Allen Wrench
- Wire strippers/cutters

Expected Installation Time

5 minutes

Prerequisites

- 2-inch x 4-inch utility box, installed per Mounting Instructions.
- Field wiring pulled to the utility box.

Mounting Instructions (Utility Box)

Select a location for the sensor based on the following guidelines:

- Locate sensor near the middle of an inside wall, approximately five feet (1.5 m) from the floor.

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- Do not mount:
 - in direct sunlight or drafts, or near diffusers
 - behind doors or drapes
 - on walls used as return air plenums.

Installation

1. Connect the field wires to the sensor lead wires using the wire nuts provided. See Figure 1.

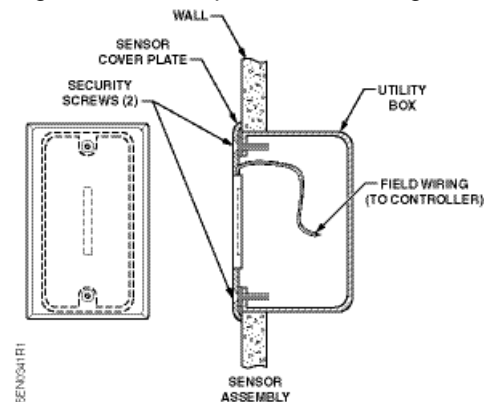


Figure 1. Installing the Sensor.

2. Push all wires into the utility box.
3. Use the hex head Allen wrench to mount the sensor assembly to the utility box with the two security screws provided.
4. Connect the field wires to the appropriate controller termination point. See Figure 2.

The installation is now complete.

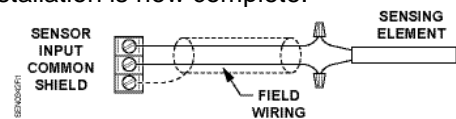


Figure 2. Wiring.

- NOTE:**
1. Some Siemens Building Technologies controllers may require a shield termination.
 2. For individual panel wiring details, see the appropriate hardware manual.

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