SIEMENS

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Metal Flush Mount Room Temperature Sensor for TEC

Product Description

These Metal Flush Mount Room Temperature Sensors are self-contained, non-intrusive and tamper-resistant, and have 10K ohm thermistors with diodes and RJ-11 jacks.

Product Numbers

540-995   10K ohm thermistor (TEC)

NOTE: The 540-995 sensor is intended for use with the Terminal Equipment Controller (TEC).

Required Tools

- 5/64-inch hex head Allen wrench
- Room sensor connector tool (if not using a pre-terminated cable)

Expected Installation Time

5 minutes

Prerequisites

- 2-inch × 4-inch utility box, installed per *Mounting Instructions*.
- Field wiring pulled to the utility box.
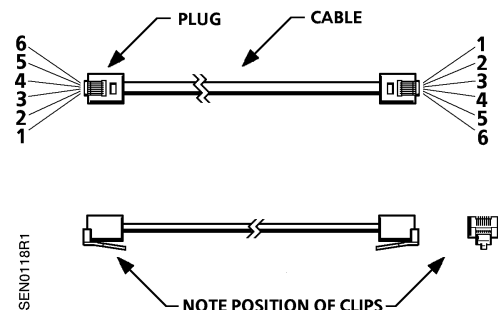
Mounting Instructions (Utility Box)

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

Installation

1. If you are using pre-terminated cable, skip to Step 3.

2. Using the room sensor connector tool, attach an RJ-11 plug to both ends of the field cable. Align the six wires in the same order on the connectors at both ends of the cable. See Figure 1.

Pin	Wire Color/Stripe
1	Green/white
2	Orange/white
3	Blue/white
4	White/blue
5	White/orange
6	White/green

Figure 1: Terminating the Sensor Cable.

3. Route the field wiring cable from the TEC to the 2 × 4-inch utility box where the flush mount sensor is to be located.

4. Insert the RJ-11 plug by the TEC into the TEC's RTS port.

5. Insert the RJ-11 plug in the utility box into the sensor's RJ-11 jack. See Figure 2.

6. Push all wires into the utility box.

7. Use the hex head Allen wrench to mount the sensor onto the utility box with the two security screws provided.
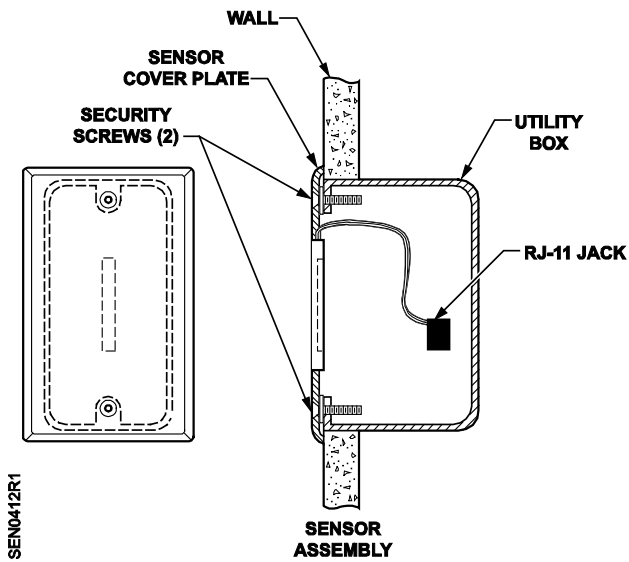
The installation is now complete.

Figure 2: Installing the Sensor.

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