

## Flush Mount Room Temperature Sensor

### Product Description

These Flush Mount Room Temperature Sensors are self-contained, non-intrusive and tamper-resistant. They are available in both 10K ohm and 100K ohm thermistor, and 1K ohm Platinum (375  $\alpha$ ) RTD.

### Product Numbers

536-784	100K ohm Thermistor
536-994	10K ohm Thermistor
544-374	1000 ohm Platinum (375 $\alpha$ ) RTD

### Required Tools

- 5/64 hex head Allen wrench
- Wire strippers/cutters

### Expected Installation Time

5 minutes

### Prerequisites

- 2-inch  $\times$  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.

Item Number 538-048, Rev DA

Information in this publication is based on current specifications. The company reserves the right to make changes in specifications and models as design improvements are introduced. Other product or company names mentioned herein may be the trademarks of their respective owners. © 2008 Siemens Building Technologies, Inc.

### Installation

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

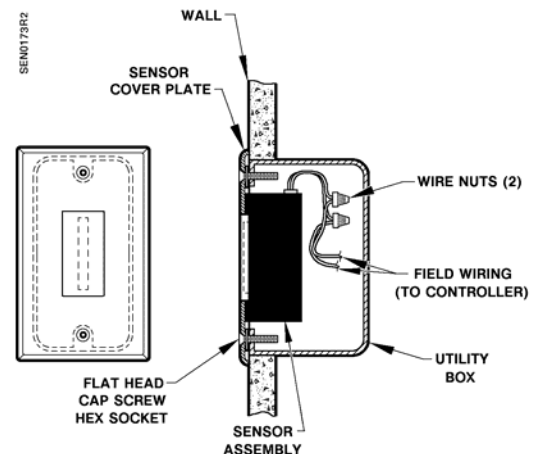


Figure 1. Installing the Sensor.

2. Push all wires into the utility box.
3. Using the hex head Allen wrench, mount the sensor assembly to the utility box with the special security screws mounted on the sensor.
4. Connect the field wires to the appropriate controller. See Figure 2.

The installation is now complete.

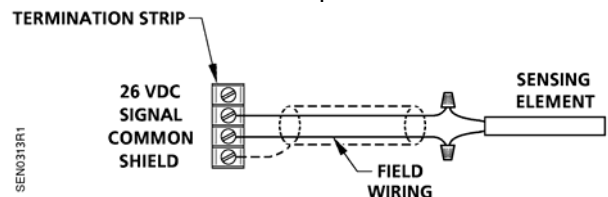


Figure 2. Wiring.

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