



Installation

PART-IN-39A

Library	Service Literature
Product Section	Service Products
Product	Parts
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Replacement of Thermostat THT00893 with Sensor SEN00943

Revisions:

Updated wiring diagram

Thermostat THT00893 is an obsolete sensor used in Unit Ventilator applications. It has been replaced by sensor SEN00943. The housing will change, but the function and wiring of the replacement are identical to the original.

Location

Proper location of the temperature sensor is crucial to the ability of a variable air volume system to maintain occupant comfort. Generally, the sensor should be placed in the most critical area of the zone where there is free circulation of air. It should be mounted on a flat interior surface, approximately 54" from the floor.

Avoid locating the Sensor:

- where direct sunlight may fall on or near it;
- in areas blanketed by air from diffusers;
- on surfaces having an uncooled or unheated area behind them, such as an outside wall or the wall of an unoccupied storeroom;
- near sources of heat such as radiant heat from sun, heat from appliances, or heat from concealed pipes or chimneys;
- in areas subject to drafts;
- in "dead" spots behind doors, draperies, or in corners.

Since The Trane Company has a policy of continuous product improvement, it reserves the right to change specifications and design without notice.

Mounting

The temperature sensor consists of two basic parts; the base and the cover.

To remove the cover, grasp the cover near the top and pull it away from the base. See Figure 1. To replace the cover, align the cover with the sides of the base and press the cover directly toward the wall until it snaps into place.

To Mount Directly to a Wall:

With the cover removed, feed the controller wires through the base's rectangular opening and position the back of the base over the wire entry in the wall. Ensure that the base is level. Mark the centers of the two oblong mounting holes, then lay the base aside. At each of the marked locations, drill a 3/16" diameter hole approximately 1" deep and insert the plastic anchors. Fully seat the anchors. Feed the controller wires through the base, then fasten the base to the wall with the supplied mounting screws. Connect the controller wires to TB I on the temperature sensor per the equipment wiring diagram and replace the cover. For reference, a schematic of the temperature sensor is shown in Figure 2.

To Mount to a Junction Box:

To secure the temperature sensor directly to a vertical junction box, remove the sensor's cover as described above. Feed the controller wires through the rectangular opening in the sensor's base and then fasten the base to the junction box's threaded mounting holes with two #6-32 screws. Connect the controller wires to TB I on the temperature sensor per the equipment wiring diagram and replace the cover. For reference, a schematic of the temperature sensor is shown in Figure 2.

Figure 1 — Cover Removal and Mounting

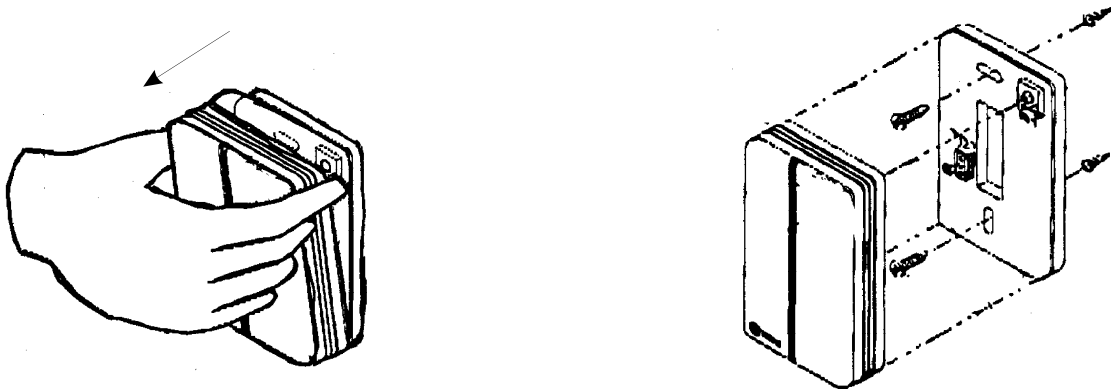


Figure 2 — Wiring Schematic of Wall Mounted Temperature Sensor

