

UVC Zone Temperature Sensor Installation Instructions



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Description

The UVC Zone Temperature Sensor (model DZTS) is a precision electronic sensor designed for use with the Novar Controls Unit Ventilator Controller (UVC), Electronic Thermostat Controller (ETC), and Heat Pump Controller Plus (HPC Plus) modules. This sensor combines space temperature capabilities with a timed schedule override button and a schedule status light-emitting diode (LED).

A reset potentiometer for adjusting the zone setpoint $\pm 3^{\circ}\text{F}$ is available as an option (model DZTS-P).

NOTE! This temperature sensor is not interchangeable with Logic One[®] 4- to 20-mA sensors.

Specifications

Range

Temperature: 20° to 127°F

Physical Dimensions

Height: 3 3/8 inches

Width: 3 3/8 inches

Depth: 1 1/4 inches

Mounting the Sensor

The sensor should be mounted vertically on an interior wall in an area with ample air circulation and free from drafts and sudden changes in temperature. The LED should be near the top of the sensor.

Use the following procedure and refer to Figure 1, as necessary, to mount the sensor.

Step	Procedure
1	Remove the locking screw at the bottom of the sensor case and remove the backplate. <hr/> <p>CAUTION! Use caution when removing the backplate to avoid damaging the faceplate.</p> <hr/>
2	Position the backplate against the mounting surface and use it as a template to mark the locations of the mounting holes.
3	Drill holes in the marked locations.
4	Install hollow-wall anchors (not included), if necessary.

continued

UVC Zone Temperature Sensor Installation Instructions

Step	Procedure
5	Pull the wiring through the hole in the center of the backplate and position the plate against the mounting surface directly over the mounting screw holes.
6	Insert and tighten the mounting screws (not included) to secure the sensor.

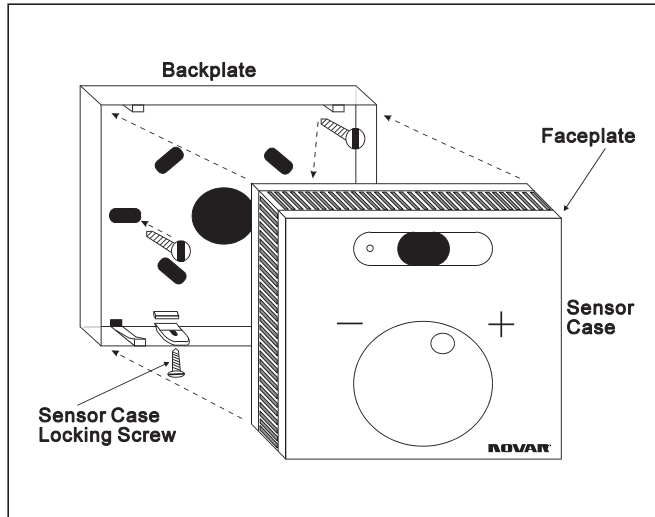


Figure 1. UVC Zone Temperature Sensor

Wiring the Sensor to the UVC or ETC

Refer to Figure 2, as necessary, when wiring the sensor.

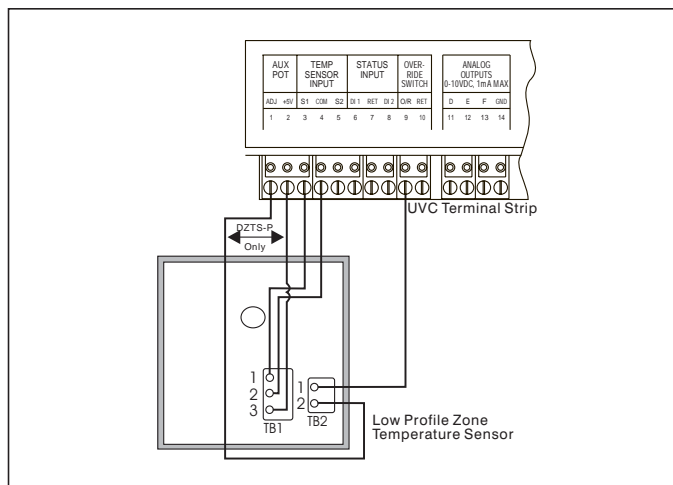


Figure 2. UVC Zone Temperature Sensor wiring connections

UVC Zone Temperature Sensor Installation Instructions

Wiring the UVC Zone Temperature Sensor Model DZTS

NOTE! Use a three-conductor cable to make the wiring connections from the sensor to the UVC, ETC, or HPC Plus as indicated in the following table.

TB1 Terminal #3 and TB2 Terminal #2 are not used.

CONNECT THE WIRING FROM THE SENSOR	TO THE MODULE AT
TB1 Terminal 1	Terminal 3 (marked S1)
TB1 Terminal 2	Terminal 4 (COM)
TB2 Terminal 1	Terminal 9 (O/R) ■ This is for the timed override button.

Wiring the UVC Zone Temperature Sensor Model DZTS-P

NOTE! Use a five-conductor cable to make the wiring connections from the sensor to the UVC, ETC, or HPC Plus as indicated in the following table.

CONNECT THE WIRING FROM THE SENSOR	TO THE MODULE AT
TB1 Terminal 1	Terminal 3 (marked S1)
TB1 Terminal 2	Terminal 4 (COM)
TB1 Terminal 3	Terminal 2 (+5V)
TB2 Terminal 1	Terminal 9 (O/R) ■ This is for the timed override button.
TB2 Terminal 2	Terminal 1 (ADJ)

UVC Zone Temperature Sensor Installation Instructions

Checking the Installation

The following items should be checked to ensure proper operation:

- The sensor's backplate should be fastened securely to the mounting surface.
- All wiring connections should be secure and correct.

After the mounting and connections have been checked, the sensor case should be snapped back on the backplate and the locking screw should be inserted and tightened.

Model and Part Numbers

Use the part numbers shown in Table 1 to order the necessary Novar Controls parts.

PRODUCT	MODEL NO.	PART NO.
UVC Zone Temperature Sensor	DZTS	736021000
UVC Zone Temperature Sensor with potentiometer	DZTS-P	736020000
