

This is a system specific sensor that has a 24 VAC or +15-24 VDC Separate Input LED. The thermistor, setpoint, and override all reference the same common and the LED uses the terminals labeled LED (+) and (-) (See Figure 1).

TEMPERATURE SENSOR WIRING DIAGRAM

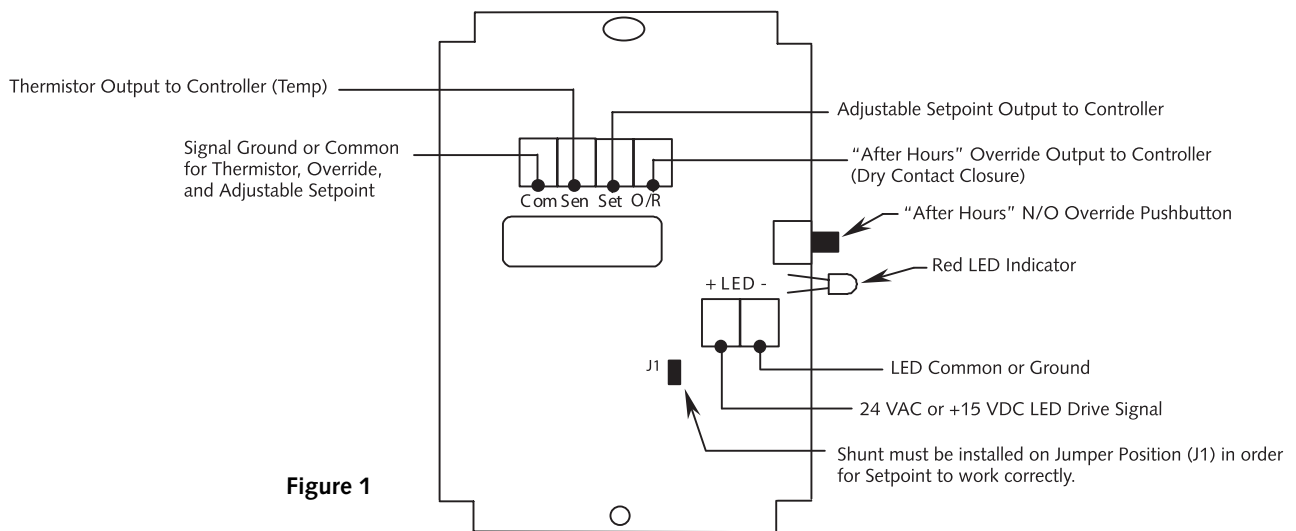


Figure 1

Note: This designates all of the Connections to the Controller

WIRING RECOMMENDATIONS

A minimum of (4) to a maximum of (6) wires must be pulled for the sensor to work properly. The number of wires needed is dependent on which options are specified upon ordering. Tour Andover Controls recommends the use of 18 to 22 AWG twisted pair wires or shielded cable for all sensor installations. Note: When using a shielded cable, be sure to ground only (1) end of the cable in order to prevent the creation of a Ground Loop. Failure to follow the above highlighted note may result in damage to either the sensor or your controller.

MOUNTING LOCATION

This unit is suitable to be mounted directly to the drywall or over a standard single gang junction box. The sensor should be mounted on an interior wall away from any direct sunlight, windows, and doors. It is also recommended to mount the sensor approximately 5 feet above the floor. All sensors are provided with screw terminal blocks for making all of your connections.

MOUNTING INSTRUCTIONS

Standard Room Sensor

First remove the cover from the unit and mount the housing base to the wall using the (2) 6/32" x 1" machine screws. Now make all of your connections following the diagram from Figure #1. Once all of the connections are made, replace the cover and fasten using the (2) 1/16" Allen screws located in the lower left and right hand corners of the enclosure.

TROUBLESHOOTING

- Sensor reads 0 ohms or very low
- Sensor reads infinity or very high
- Erratic readings
- Sensor or wires are shorted together – condensation on board
- Sensor or wires are open
- Bad wire connections – condensation on board

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