



TCS Basys TS3020 Room Mount Averaging Temperature Sensors Installation Guide

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TCS Basys TS3020 Room Mount Averaging Temperature Sensors



Product Information

The Room-Mount Averaging Temperature Sensors TS3020 and TS3030 are designed to measure and reflect the average room temperature in multiple zones. These sensors are not interchangeable with the TS3000 sensor, which is specifically designed for use in a single zone.

Mounting

To ensure accurate temperature readings, it is recommended to mount the averaging sensors on an interior wall that reflects the average room temperature. The ideal mounting location is approximately five feet above the finished floor.

Avoid mounting the sensors in unventilated locations, areas exposed to direct sunlight, unusual heat sources, windows, and open doors.

Mounting Steps:

1. Attach the mounting plate directly to a block or drywall using the included mounting screws and anchors.
2. After completing the wiring, attach the front housing to the mounting plate using the two embedded hex screws and the included Allen wrench. Insert the Allen wrench through the holes on the front of the sensor. Turn each Allen wrench counter-clockwise to bring the halves together.

Sensor Wiring

The averaging sensors should be connected to UbiquiSTAT's T1 port and wired together in series to achieve averaging of the temperature zones between them.

Wiring Instructions:

Refer to the provided diagram for wiring connections.

- Connect the averaging sensors to the T1 port of the UbiquiSTAT.
- Wire the sensors together in series for temperature averaging.
- Ensure proper polarity when connecting other components as indicated in the diagram.

Note:

Averaging sensors are non-polarity sensors, and the wiring colors in the diagrams are for illustrative purposes only.

Models

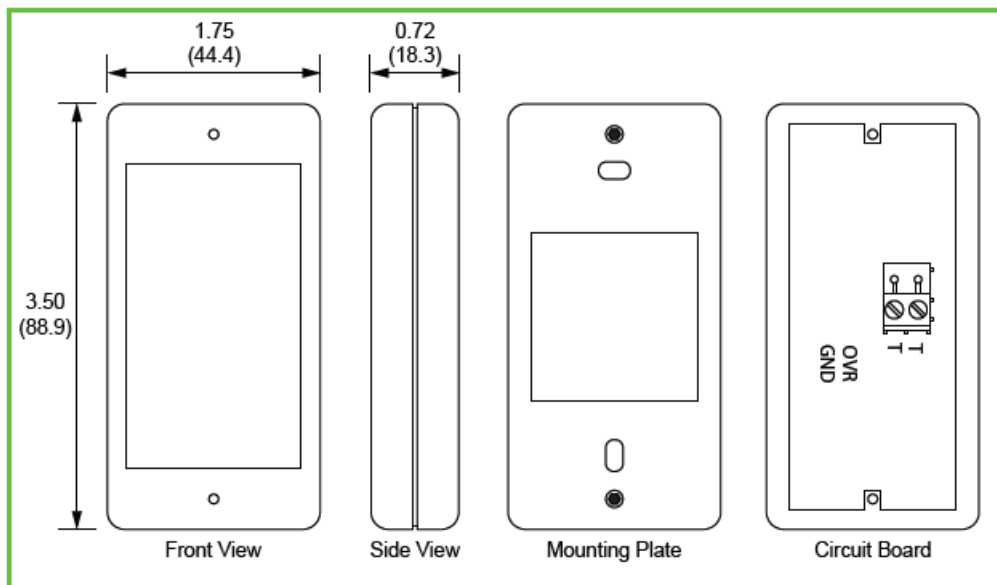
- TS3020
- TS3030



Mounting

Averaging sensor mounting location(s) should be on an interior wall that reflects the average room temperature, about five feet above the finished floor. Avoid unventilated locations and areas exposed to direct sunlight, unusual heat sources, windows, and open doors.

Attach the mounting plate directly to the block or drywall, using the included mounting screws and anchors. After completing the wiring, attach the front housing to the mounting plate using the two embedded hex screws and included Allen wrench. Insert the Allen wrench through the holes in the front of the sensor. Turn each Allen wrench counter-clockwise to bring the halves together.

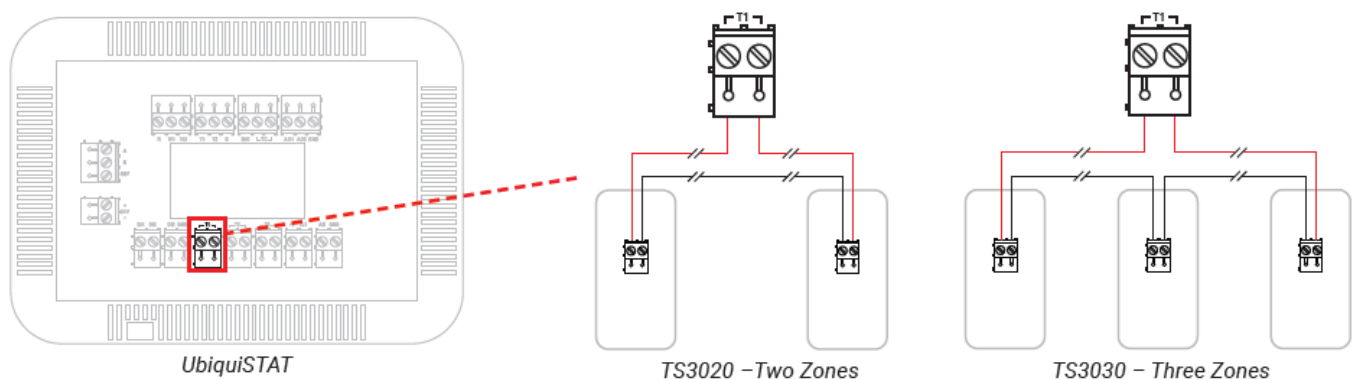


Sensor Wiring

Connect the averaging sensors to a UbiquiSTAT's T1 port, wired together in series to achieve averaging of the temperature zones between them.

NOTE:

The sensors in the TS3020 and TS3030 kits are averaging sensors for use in multiple zones. They are NOT interchangeable with the TS3000 sensor, which is for use in a single zone.



NOTE:

Averaging sensors are non-polarity sensors. Wiring colors in diagrams are for illustrative purposes.

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Documents / Resources

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