

SC-T-OTS OUTDOOR SENSOR

(USE WITH SC-T32-P and SC-T32-TS THERMOSTATS)

APPLICATION

The SC-T-OTS Outdoor Temperature Sensor is used with the Comfort System SC-T32-P and SC-T32-TS thermostat. The sensor can be used for outdoor temperature display or as a balance point changeover sensor for dual fuel applications.

SPECIFICATIONS

Operating Ambient Temperature Range:

-40 to 140° F

Outdoor Temperature Display Range:

-20 to 140° F

Sensor Type:

NTC Type 2, 10KΩ @ 77° F

Sensor Accuracy:

+/- 3% @ 77° F

Operating Relative Humidity:

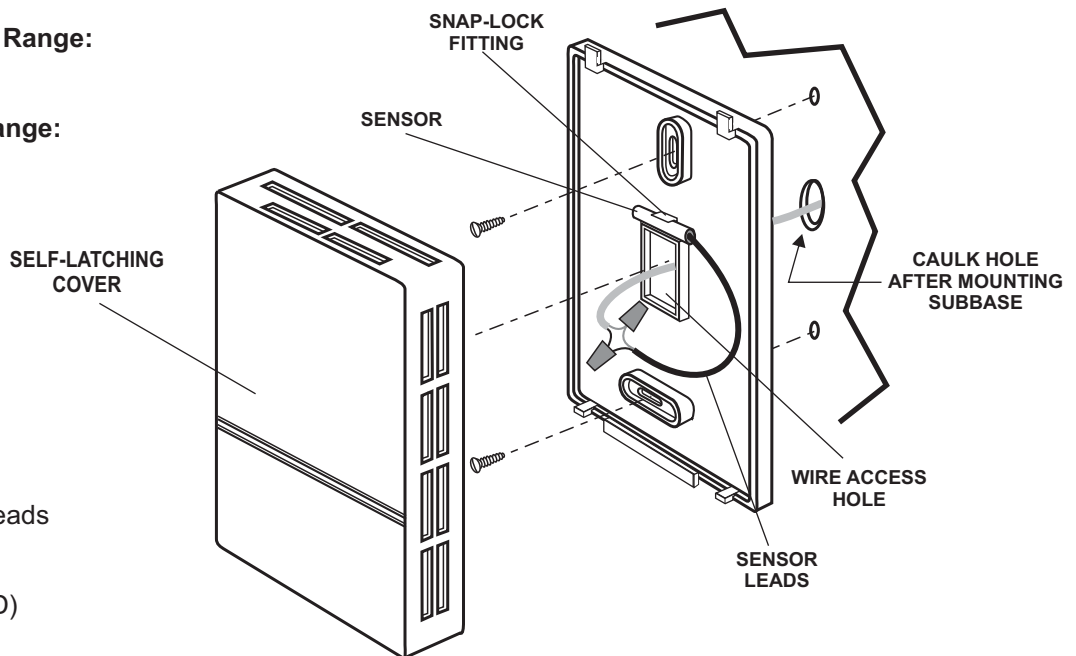
5% to 95% RH (non-condensing)

Sensor Probe:

Waterproof encapsulation with 8" leads

Enclosure Dimensions:

4.562" x 2.812" x 0.875" (H x W x D)



IMPORTANT

1. Keep wiring at least one foot away from large inductive loads such as motors, line starters, lightning ballasts and large power distribution panels.
2. Use shielded cable to reduce interference when wire can not be rerouted.
3. Use a separate 18-2 cable when wiring sensor to the thermostat.
4. Do not route sensor cable with line voltage power wires, near control contactors, light dimming circuits, electric motors or welding equipment.
5. Make sure that all wiring connections are secure.
6. Avoid intermittent or missing building earth ground.
7. Wiring must be in compliance with all applicable codes.

LOCATION AND INSTALLATION

1. The sensor should be located in a tamper resistant area such as underneath a roof overhang that provides proper outdoor ambient air circulation.
2. Do not mount the sensor in direct sunlight, near exhaust vents or where it can be subjected to snow, ice or debris.
3. The sensor enclosure can be mounted on either a flat vertical or horizontal surface that best suites the wire routing.
4. Remove the cover from the subbase and disconnect the sensor from the snap-lock fitting. (See illustration)
5. Pull the sensor cable through the wire access hole on the subbase and mark the mounting screw locations.
6. Use appropriate mounting hardware for the type of exterior structure and secure the subbase.
7. Wire nut and tape the sensor leads to the sensor cable and press the sensor back into the snap-lock fitting.
8. Use non-hardening caulk or putty to seal the wire access hole.
9. Replace the sensor cover.
10. Refer to SC-T32-P or SC-T32-TS thermostat installation manual for outdoor sensor wiring and installer setup options.



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