SPT Sensors

Part Numbers: SPS, SPPL, SPP, & SPPF

Carrier
® Turn to the Experts.℠

Carrier's intelligent line of SPT sensors are designed for use with any of the new Open line of Carrier controllers. These new sensors feature an attractive, low profile enclosure and a neutral color that complements any room. The SPT sensors are available in four different flavors, depending on your application needs. All SPT sensors provide a precise 10k thermistor and communication capabilities. In addition, they also feature a hidden communication port that provides easy access to the connected equipment for commissioning and maintenance.

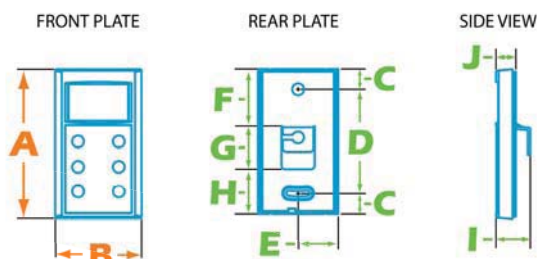| SPT Standard part# SPS	SPT Plus part# SPPL	SPT Pro part# SPP	SPT Pro+ part# SPPF

Key Features and Benefits

- Attractive low profile enclosure in a neutral color that complements any room

- Large, easy-to-read LCD on the SPT Pro and SPT Pro+ displays space temperature, outside air temperature, heating setpoint, cooling setpoint, and local override (after hours occupancy), time

- Precise 10K ohm thermistor with + 0.36°F (0.2°C) standard accuracy and less than 0.18°F (0.01°C) drift over a ten year span – requires no maintenance or re-calibration

- Zone setpoints can be changed easily by pressing the Warmer or Cooler buttons

- A hidden communication port allows a laptop computer or a BACview keypad to commission and maintain the connected equipment easily

- Multiple SPT sensors can be daisy-chained to one controller for temperature averaging or high/low select control (one SPT Pro or SPT Pro+ with up to four SPT Standard sensors)

- Mounts on a standard 2" x 4" electrical box for easy installation

Specifications

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Power	Supplied by the connected controller
Sensing Element	Precision Thermistor. Standard accuracy ±0.35°F (0.2°C). Less than ±0.18 F (0.1°C) drift over a 10 year period.
Hardware Compatibility	All Open controllers
Communication Ports	-Rnet port: for connecting SPT sensor to controller -Local Access Port: for commissioning and maintenance of equipment
Wiring	Two pair, twisted, unshielded 18 AWG cable
Weight	0.1 lbs. (.05 kg)
Mounting	Wall or panel mounting; remote mounting up to 500 feet. Standard 2"x 4" electrical box may be used.

Overall Dimensions

FRONT PLATE   REAR PLATE   SIDE VIEW

Overall
A: 4-3/4" (12 cm)
B: 2-3/4" (7 cm)
C: 5/8" (1.6 cm)
D: 1-1/16" (2.7 cm)

Mounting
E: 5/8"' (1.6 cm)
F: 3-5/16" (8.4 cm)
G: 1-9/32" (3.25 cm)
H: 1-3/4" (4.4 cm)
I: 1-3/8" (3.5 cm)
J: 1-9/16" (4 cm)

Features	SPT Standard	SPT Plus	SPT Pro	SPT Pro+
Low profile design, neutral color	√	√	√	√
Precise 10K ohm thermistor	√	√	√	√
Requires no maintenance or re-calibration	√	√	√	√
Hidden communication port	√	√	√	√
Can be daisy-chained to one controller	√	√	√	√
Mounts on a standard 2"by 4" electrical box	√	√	√	√
Convenient local setpoint adjustment		√	√	√
Simple occupancy override		√	√	√
Large, easy- to- read LCD			√	√
Easily changed zone setpoints			√	√
Fan speed control				√

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