



Turn to the Experts.™

# SPT Sensors

Part Numbers: SPS, SPPL, SPP, & SPPF

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

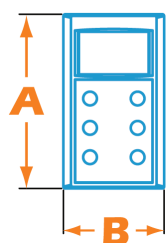
# Specifications

## Part Numbers: SPS, SPPL, SPP, & SPPF

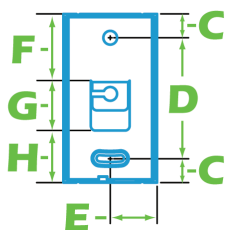
Power	Supplied by the connected controller
Sensing Element	Precision Thermistor. Standard accuracy $\pm 0.35^{\circ}\text{F}$ ( $0.2^{\circ}\text{C}$ ). Less than $\pm 0.18^{\circ}\text{F}$ ( $0.1^{\circ}\text{C}$ ) drift over a 10 year period.
Hardware Compatibility	All Open controllers
Communication 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" (12.1 cm)

**B:** 2-3/4" (7 cm)

**C:** 5/8" (1.6 cm)

**D:** 3-3/8" (8.6 cm)

### Mounting

**E:** 1-5/16" (3.3 cm)

**F:** 1-3/4" (4.4 cm)

**G:** 1-7/16" (3.7 cm)

**H:** 1-7/16" (3.7 cm)

**I:** 1-1/8" (2.9 cm)

**J:** 5/8" (1.6 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				✓



Turn to the Experts.™

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice or without incurring obligations.

CARRIER CORPORATION ©2011

A member of the United Technologies Corporation family. Stock symbol UTX. 11-808-452-01 Rev. 04/11

[www.carrier.com](http://www.carrier.com)  
1-800-CARRIER