

# ▶ Network Sensors

## RTS-20: Room Temperature Sensor

### Description

The RTS-20-xx sensors are stylized, wall mountable devices used to provide remote room temperature sensing as part of the Delta Controls system. The RTS-20 comes with a precision temperature sensor and uses the durable and attractive plastic housing of Delta's BACstat® II.



### Features

- ▶ Built-in 10 k $\Omega$  temperature sensor
- ▶ Optional 20 k $\Omega$  setpoint adjust dial
- ▶ Optional service port for direct service tool connection to the BACnet® MS/TP or LINKnet network
- ▶ Optional occupancy override push button
- ▶ Stylized, tamper-resistant housing
- ▶ Easily mounted on drywall or any electrical box without adapters

### Application

The RTS-20 is ideal for providing remote temperature sensing, setpoint adjustment, occupancy override for room schedule control and remote network access points.

The sensor uses a standard 10 k $\Omega$  thermistor temperature signal that may be wired to the input of a Delta controller.

Using GCL+, the optional occupancy override push button can be programmed to override schedules, while the optional setpoint potentiometer can be programmed for local room setpoint.

### Specifications

#### Thermistor

10 k $\Omega$  @ 77°F (25°C)  
Accuracy  $\pm 0.36^\circ\text{F}$  ( $\pm 0.2^\circ\text{C}$ )  
Stability of 0.24°F (0.13°C) over 5 years

#### Connectors

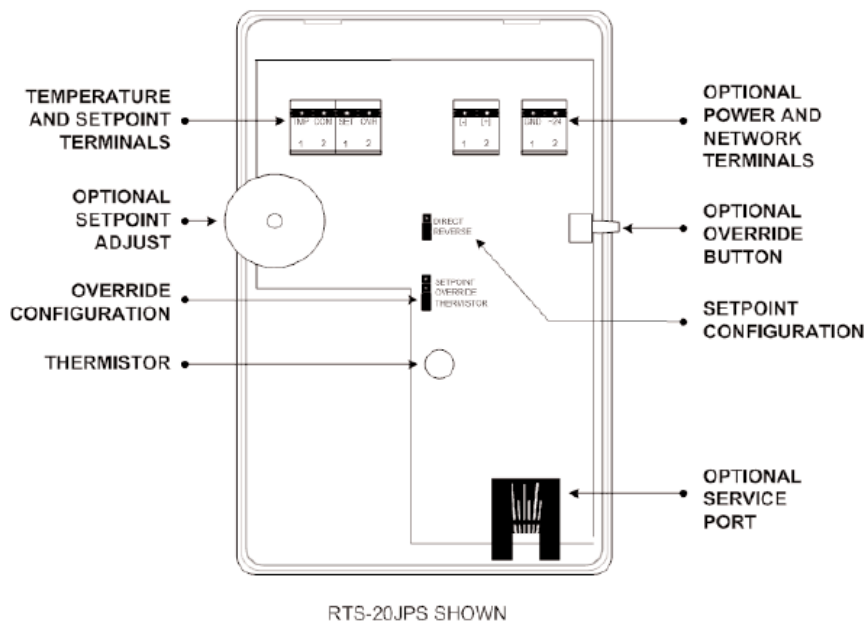
Screw-type terminal connectors  
Optional RJ-11 service port jack (6 wire)

#### Wiring Class

Class 2

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## RTS-20: Board Layout Diagram



### Specifications (Continued)

#### Power

24 VAC (necessary only for the optional service port)

#### Ambient

32 to 131°F (0 to 55°C)  
10 to 90% RH (non-condensing)

#### Dimensions

4<sup>7</sup>/<sub>8</sub> x 3<sup>1</sup>/<sub>4</sub> x 1 in. (11.4 x 7 x 2.54 cm)

#### Weight

0.16 lb. (71 g)

### Ordering

Order the RTS-20 according to the following product numbers:

RTS-20	Stylized housing, built-in 10 kΩ thermistor
RTS-20J	Stylized housing, built-in 10 kΩ thermistor, RJ-11 service port
RTS-20P	Stylized housing, built-in 10 kΩ thermistor, occupancy override push button
RTS-20PS	Stylized housing, built-in 10 kΩ thermistor, 20 kΩ setpoint adjust dial, occupancy override push button
RTS-20JPS	Stylized housing, built-in 10 kΩ thermistor, 20 kΩ setpoint adjust dial, occupancy override push button, RJ-11 service port

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Updated June 2015

Subject to change without notice.