Carrier COMFORT NETWORK

PRODUCT DATA

# T-55 SPACE TEMPERATURE SENSOR WITH OVERRIDE




The T-55 Space Temperature Sensor with Override is designed to complement any interior decor. The sensor has the following advantages over conventional thermostats:

- Elimination of drift and calibration
- Reduced maintenance cost
- Accurate temperature sensing

The T-55 Space Temperature Sensor with Override package consists of:

- (1) Space Temperature Sensor
- (2) 6-32" x 1" round head machine screws
- (1) Installation Instructions

The sensor's integral override button allows a tenant to signal a request for an override of the occupancy schedule currently controlling the HVAC equipment in that zone. The override button shares the zone temperature sensor input, so this sensor requires only a single twisted shielded pair (tsp) for both occupancy override and space temperature sensing.

The sensor also includes a communication port that allows you to attach a CCN Service Tool and communicate with other system elements on the CCN Communication Bus. Use of the communication port for the Service Tool requires an additional three-conductor shielded cable.

## SENSOR APPLICATIONS

When used with CCN controllers that support timed override, the T-55 Space Temperature Sensor provides the following:

- Electronic measurement of space temperature
- Occupancy override by pushing the override button

The Tenant Billing Option can be used in conjunction with the CCN controllers to keep track of timed overrides initiated with the T-55 Space Temperature Sensor. Tenant Billing tracks a tenant's after-hours usage of a CCN system.

## SPECIFICATIONS

Connections ..... labeled screw terminals
Operating Temperature ..... 32°F to 120°F (0°C to 49°C)
Storage Temperature ..... -40°F to 160°F (-40°C to 70°C)
Humidity ..... 0% to 95%, non-condensing
Dimensions ..... 4.51 in H X 2.75 in W X 1.15 in D (11.46 cm X 6.98 cm X 2.92 cm)
Color ..... beige

## THERMISTOR SPECIFICATIONS

Zero Power Resistance ..... 10K Ohms @ 25°C
Tolerance ..... +/- 0.2°C from 0 to 70°C
Dissipation constant ..... 3 mWatt/°C
Thermal time constant ..... 10 seconds (for 63.2 % step change)

Specifications subject to change without notice

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