PRODUCT DATA

T-59 SPACE TEMPERATURE SENSOR WITH OVERRIDE AND SETPOINT ADJUSTMENT



The T-59 Space Temperature Sensor with Override and Setpoint Adjustment is a wall-mount sensor for use with the Carrier Zoning system.

The sensor contains a custom Liquid Crystal Display (LCD) that indicates room temperature and setpoint offset. The sensor also features an override button and temperature offset adjustment provided for control of features in the device to which the sensor is connected.

Field programmable options include temperature display in °F or °C, temperature adjustment, setpoint display range, and setpoint lockout.

SENSOR APPLICATIONS

The wall sensor typically is used with the Carrier Zoning system for temperature sensing, remote timed override, and setpoint bias adjustment.

The T-59 Space Temperature Sensor provides the following:

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

The Tenant Billing Option, a Carrier product that tracks a tenant's after-hours usage of a Carrier communicating network system, can be used in conjunction with Carrier controllers to keep track of timed overrides initiated with the T-59 Space Temperature Sensor.

FEATURES/BENEFITS

- Single unit user interface operation
- Space temperature display from on-board thermistor
- Ability to program setpoint or setpoint offset display to match controller
- Occupancy override

SPECIFICATIONS

Input Voltage	24 Vac, 2 VA
Thermistor Type	10K Type II (CP/MCI)
Connections	coded screw terminals
Operating Temperature	40°F to 104°F (5°C to 40°C)
Storage Temperature	-4°F to 131°F (-20°C to 55°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 @ 77°F (25°C)
Tolerance	+/- 1°F from 40 to 104°F +/- 1°C from 4 to 40°C
Dissipation Constant	3 mWatt/°C
Thermal Time Constant	10 seconds (for 63.2 % step change)
Temperature Display Accuracy	+/- 1°F (+/- 1°C)

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