TE730 Series Temperature Sensors

Description

The TE730 Series Temperature Sensors provide temperature sensing in room wall-mount applications. This arrangement allows local temperature setpoint adjustment and temporary occupancy override.

A setpoint dial is included on all models to adjust the temperature setpoint. A manual occupancy override push button is available on one model to allow the user to request a time-of-day scheduling override, when the space is occupied outside of the normal occupied hours schedule.

The wires connecting the temperature sensor to the controller are terminated with a modular jack connection. All models include a Sensor Actuator (SA) Bus access port (6-pin modular jack) for connecting accessories. This feature allows a technician to commission or service the controller via the temperature sensor.

Refer to the *TE730 Series Temperature Sensors Installation Instructions (Part No. 24-10674-0)* for important product application information.

Features

- large setpoint dial — provides ease of temperature setpoint adjustments by the user
- occupancy override push button (TE730-39C-0 model) — allows the user to request a time-of-day scheduling override when the space is occupied outside of the normal occupied hours schedule
- compact and easy to install design — interfaces directly with the field controller via modular jack connections
- 6-pin modular jack SA Bus access port — allows a technician to commission or service the field controller via the TE730 Series Temperature Sensor

TE730 Series Temperature Sensors with Occupancy Override Push Button (Left) and without Occupancy Override Push Button (Right)

Repair Information

Do not attempt to field repair the TE730 Series Temperature Sensor. As with any electrical device, always keep the air vents clean and free from dust or obstruction. If the TE730 Series Temperature Sensor fails to operate within its specifications, replace the unit. For a replacement temperature sensor, contact the nearest Johnson Controls® representative.

Selection Chart

Product Code Number	Temperature Sensor Type	Temperature Setpoint Adjustment Dial	Integral Manual Occupancy Override Push Button	Connection	Enclosure Dimensions (Height x Width x Depth)
TE730-29C-0	Platinum 1k ohm Thin Film Resistive	Yes	No	Modular Jack	80 x 80 x 36 mm (3-1/4 x 3-1/4 x 1-7/16 in.)
TE730-39C-0	Platinum 1k ohm Thin Film Resistive	Yes	Yes	Modular Jack	80 x 80 x 36 mm (3-1/4 x 3-1/4 x 1-7/16 in.)

Technical Specifications

TE730 Series Temperature Sensors	
Temperature Sensor Type	Platinum 1k ohm Thin Film Resistive
Temperature Sensor Coefficient	Approximately 3.9 ohms per C° (2 ohms per F°)
Temperature Sensor Reference Resistance	1k ohms at 0°C (32°F)
Temperature Sensor Accuracy	±0.56C°/±1.0F° at 21°C (70°F)
Temperature Setpoint Range	Adjustable 15 to 29°C (59 to 84°F)
Temperature Sensor Response Time	13 Minutes at 0.05 m/s (10 fpm)
Field Connections	8-Pin Modular Jack Connector
SA Bus Access	6-Pin Modular Jack Connector with Bottom Access for a Wireless Commissioning Converter or VAV Balancing Tool
Ambient Operating Conditions	0 to 40°C (32 to 104°F); 10 to 90% RH, Noncondensing; 30°C (86°F) Maximum Dew Point
Ambient Storage Conditions	-40 to 60°C (-40 to 140°F); 5 to 95% RH, Noncondensing; 30°C (86°F) Maximum Dew Point
Materials	White Thermoplastic Enclosure
Shipping Weight	0.1 kg (0.3 lb)