T91 Series Room Temperature Sensor

Description

The T91 Series Temperature Sensor is a solid state thermistor sensor detects temperature changes in a room or similar space.

Series T91 Sensors may be used directly with Series M100Q Motor Actuators.

Refer to the *T91 Thermistor Room Temperature Sensor Product Bulletin (LIT-125675)* for important product application information.

Applications

Use for room or space temperature sensing to position sequencers or actuators for heating and/or cooling systems.

Features

- highly sensitive thermistor sensing element
- fast response
- integral Fan and System switch options
- vertical or horizontal mounting
- three types of adjusters: external knob, concealed knob, or provisions for remote setpoint
- easy to install and wire
- separable mounting plate with screws saves installation time

Repair Information

If the T91 Series Room Temperature Sensor fails to operate within its specifications, replace the unit. For a replacement sensor, contact the nearest Johnson Controls® representative.

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Selection Chart

Product Code Number[1]	Range °F (°C)	Thermometer	Setpoint Adjustment	Switches	
				Fan	System
T91BAA-1C	40/90 (5/32)	No	Remote	–	–
T91BBA-1C	40/90 (5/32)	No	Concealed	–	–
T91BCA-1C	40/90 (5/32)	Yes	Knob	–	–

1. Supplied with vertical faceplate installed.

Technical Specifications

T91 Series Room Temperature Sensor	
Ambient Temperature	-40 to 140°F (-40 to 60°C)
Baseplate	0.050 in. (1 mm) cold rolled steel with dichromate dip finish
Cover	0.025 in. (1 mm) cold rolled steel. Baked on tawny silver finish. Faceplate is aluminum with dark brown and light brown finish. Letters and markings are bright aluminum surface.
Electrical Rating for Switches	5 A at 24 VAC
Wiring Connections	6 in. No. 18 color coded wire leads