

T-2100

Dial Thermometer

Description

T-2100 Dial Thermometers provide continuous temperature indication. Temperatures are indicated on an analog gauge in Fahrenheit and Celsius gradients.

Refer to *T-2100 Dial Thermometers Direct or Remote Mounted for Air or Liquids Product Bulletin (LIT-7171630)* for important product information.

Features

- available in three configurations:
 - surface mounted
 - flush/panel mounted
 - direct mounted
- available with one of the following:
 - 8 ft (244 cm) averaging element
 - "B" bulb element with a temperature scale of either -40 to 160°F (-40 to 71°C) or 40 to 240°F (0 to 115°C)
- surface mounted configuration features a mounting flange with three 5/32 in. holes
- flush/panel mounted configuration includes a bracket that accommodates a panel up to 5/8 in. (16 mm) thick



Surface Mount with "B" Bulb Element



Flush / Panel Mount with "B" Bulb Element

- direct mounted configuration features an element connection that allows the temperature element to be tilted to any angle within an arc of 180 degrees. In addition, the gauge face and casing assembly can rotate 180 degrees about its mounting.



Direct Mount with Averaging Element

Selection Charts

T-2100 Dial Thermometer

Code Number	Mounting Style	Element	Temperature Scale °F / °C
T-2100-200	Surface	"B" Bulb	-40 to 160 / -40 to 71
T-2100-201			40 to 240 / 0 to 115
T-2100-202		Averaging	"B" Bulb
T-2100-203	40 to 240 / 0 to 115		
T-2100-204	Flush / Panel	"B" Bulb	-40 to 160 / -40 to 71
T-2100-205			40 to 240 / 0 to 115
T-2100-206		Averaging	"B" Bulb
T-2100-207	40 to 240 / 0 to 115		
T-2100-208	Direct	"B" Bulb	-40 to 160 / -40 to 71
T-2100-209			40 to 240 / 0 to 115
T-2100-210		Averaging	"B" Bulb
T-2100-211	40 to 240 / 0 to 115		

Accessories for T-2100 Dial Thermometer

Code Number	Description
T-275-100	"B" Bulb Element Holder
T-275-101	Averaging Element Holder
T-800-1603	Single Hub Duct Flange (For Mounting One Element)
T-800-1604	Double Hub Duct Flange (For Mounting Two Elements; Remote Models Only)
T-800-1610	1/2 in. NPT Brass Adaptor Nut
T-800-1618	Brass Immersion Well (For Single "B" Bulb Element)
T-800-1620	Stainless Steel Immersion Well (For Single "B" Bulb Element)

Repair Information

If the T-2100 Dial Thermometer fails to operate within its specifications, replace the unit. For a replacement thermometer, contact the nearest Johnson Controls® representative.

Technical Specifications

T-2100 Dial Thermometers		
Models	Refer to Selection Chart	
Temperature Scales	-40 to 160°F (-40 to 71°C) and 40 to 240°F (0 to 115°C)	
Element Styles	Averaging or "B" Bulb ¹	
Capillary	15 ft (457 cm) Long, Non-Compensated, with Double Braid Armor	
Mounting	Direct	Stem Mounting
	Remote	Surface or Flush / Panel Mounting
Materials	Case	Drawn Stainless Steel
	Element	Vapor-Filled Copper

1. "B" Bulb style elements require a minimum insertion length of 9-1/2 in. (241 mm).