

# Miniature Surface Mount Bolt Down or Cement On RTD

## Bolt Down or Cement On Surface RTD

- Thin Film PT100 RTD Element
- Fitting housing is aluminum for durability and fast thermal response
- Made in the USA
- Teflon™ insulated wires
- Designed for research & development applications



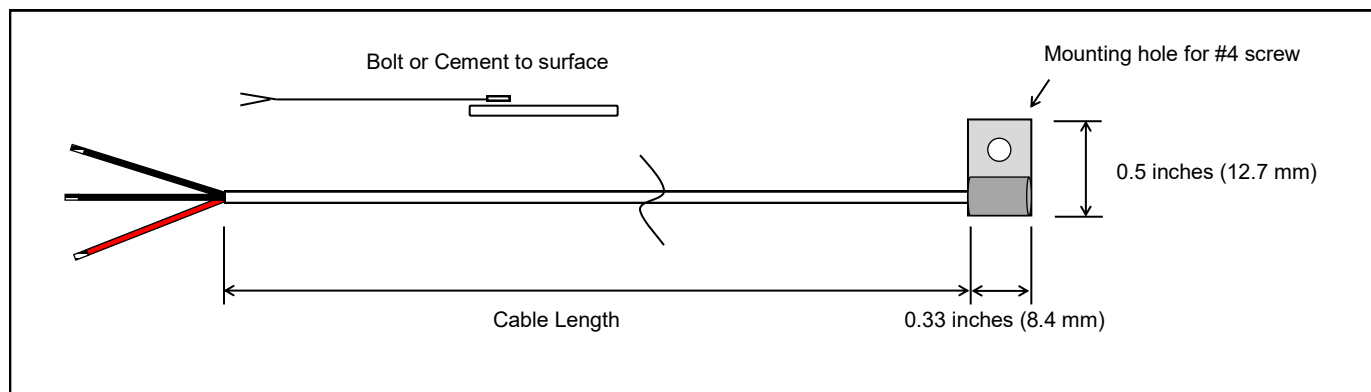
## Specifications

RTD element type: Thin film platinum, 100Ω at 0°C,  $\alpha = 0.00385$   
 Range: -90 to 500°F (-70 to 260°C)  
 Accuracy: Class A, +/- 0.15°C

Fitting Housing Material: Aluminum  
 IP Rating: IEC IP64

Response Time\*: 6 Seconds  
 \*Time Constant: Defined as the time required to reach 63.2% of an instantaneous temperature change  
 Five time constants are required to approach 100% of the step change value

Lead Wire: Teflon™ insulated, 26 AWG, stranded conductors  
 Wiring: 3-wire



## Ordering Information

Model	RTD Element Type	Cable Length	Number of Wires	Connector
<b>SMBD-RTD</b>	□□□□□	-□□□	-□	-□□
	<b>PT100</b> Platinum 100Ω	<b>036</b> 36 inches <b>072</b> 72 inches <b>180</b> 180 inches	3 3-wire	<b>N</b> No connector <b>MP</b> Male mini-plug

## Ordering Example

**SMBD-RTD-PT100-036-3-N:** Bolt Down RTD, PT100 Element, 36 inch long cable, 3-wire, no connector

**CUSTOM CONFIGURATIONS AVAILABLE**

