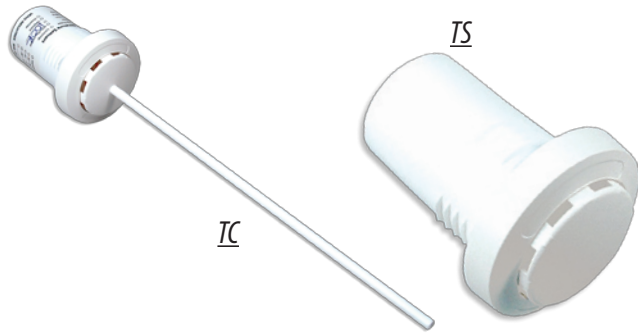


# TC/TS

# TC/TS

## Ceiling Mounted Temperature Sensors



### Installer's Specifications

Wiring	22AWG; 2-wire:RTD Thermistor, 4-20mA; 3-wire: Voltage output models	
Housing	White ABS Plastic (For Black, consult factory)	
<b>Linitemp:</b>		
Input Power	5 to 30 VDC	
Output	1μA/°C or 10mV/°C	
Operating Temperature	-25° to 105°C (-13° to 221°F)	
Accuracy	Calibration Error:	1.5°C (35°F) typical; 2.5°C (37°F) max. at 25°C (77°F)*
	Error over Temperature:	1.8°C typical (35°F); 3.0°C (34°F) max. over 0° to 70°C (32° to 158°F) range 2.0°C (35°F) typical, 3.5°C (38°F) max. over -25° to 105°C (-13° to 221°F) range

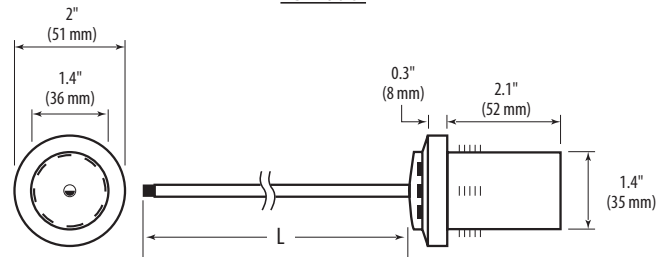
\*Room temperature error documented on each unit.

### QUICK INSTALL

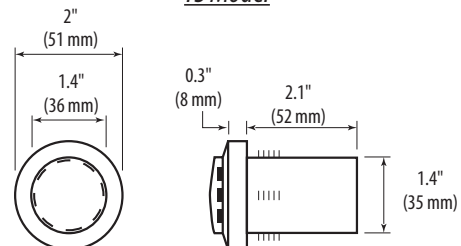
1. Locate the electrical wiring in the area to be monitored. Press fit the TC/TS housing into the ceiling near this wiring.
2. Drill a mounting hole using a 1 3/8" hole saw (1" conduit, electrical trade).
3. Pull wires through the junction box or receptacle and connect them to the TC or TS device. See Wiring section for details.

### DIMENSIONS

#### TC Model



#### TS Model



## NOTICE

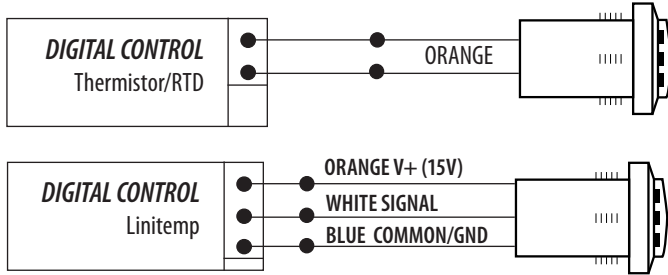
- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- Read and understand the instructions before installing this product.
- Turn off all power supplying equipment before working on it.
- The installer is responsible for conformance to all applicable codes.

### PRODUCT IDENTIFICATION

Probe Length	Sensor Type	Cal Certificate
TC	<input type="checkbox"/>	<input type="checkbox"/>
B = 4" (102mm)	B = 100R platinum, RTD	0 = None
C = 6" (152mm)	C = 1k platinum, RTD	1 = 1 point Cal validation
D = 8" (203mm)	D = 10k T2, Thermistor	2 = 2 point Cal validation
E = 12" (305mm)	E = 2.2k, Thermistor	
F = 18" (457mm)	F = 3k, Thermistor	
G = 24" (610mm)	G = 10k CPC, Thermistor	
	H = 10k T3, Thermistor	
	J = 10k Dale, Thermistor	
	K = 10k w/11k shunt, Thermistor	
	M = 20k NTC, Thermistor	
	N = 1800 ohm, Thermistor	
	P = 10mV/°C, Linitemp	
	R = 10k US, Thermistor	
	S = 10k 3A 221, Thermistor	
	T = 100k, Thermistor	
	U = 20k "D", Thermistor	

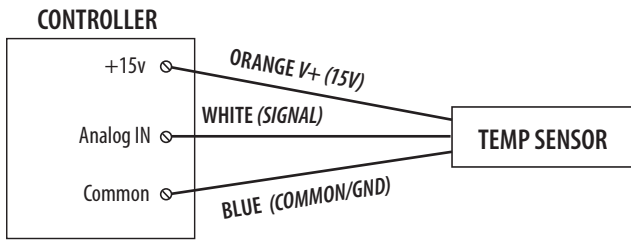
Sensor Type	Cal Certificate
TS	<input type="checkbox"/>
B = 100R platinum, RTD	0 = None
C = 1k platinum, RTD	1 = 1 point Cal validation
D = 10k T2, Thermistor	2 = 2 point Cal validation
E = 2.2k, Thermistor	
F = 3k, Thermistor	
G = 10k CPC, Thermistor	
H = 10k T3, Thermistor	
J = 10k Dale, Thermistor	
K = 10k w/11k shunt, Thermistor	
M = 20k NTC, Thermistor	
N = 1800 ohm, Thermistor	
P = 10mV/°C, Linitemp	
R = 10k US, Thermistor	
S = 10k 3A 221, Thermistor	
T = 100k, Thermistor	
U = 20k "D", Thermistor	

**WIRING**



**NOTE:** All linitemp units are standard 3-wire 10m V/C. For 1 $\mu$  A/C (2-wire) connect +15V (orange) and (white) signal wire. The (blue) wire is not connected.

3-Wire 10m V/C



2-Wire 1 $\mu$  A/C

