#### **Features**

- ► High accuracy
- ▶ NEMA 4X & IP 65
- ▶ UL, CSA and CE approved
- Low cost

### **Applications**

- Heat trace
- Water equipment
- Process equipment
- Machine tools and industrial equipment
- Freeze protection



# **General Specifications\***

•			
Accuracy:	±4°F		
Switch: Type:	Single pole double throw (SPDT), prewired snap action		
Rating:	22 amp @ 125/250/480 VAC		
Electrical Characteristics:	All models incorporate Underwriters' Laboratories, Inc. and CSA listed single pole double throw snap-action switching elements. Switches may be wired normally open or normally closed.		
Wetted Parts:	Tin plated copper sensor & capillary		
Electrical Connection:	1-1/8" (28mm) hole for 3/4" NPT conduit hub 12", 14 AWG stranded copper wire		
Enclosure Rating:	NEMA 4X		
Enclosure/Housing:	Polycarbonate (black)		

<sup>\*</sup> See Product Configurator for additional options.

# Wiring Code

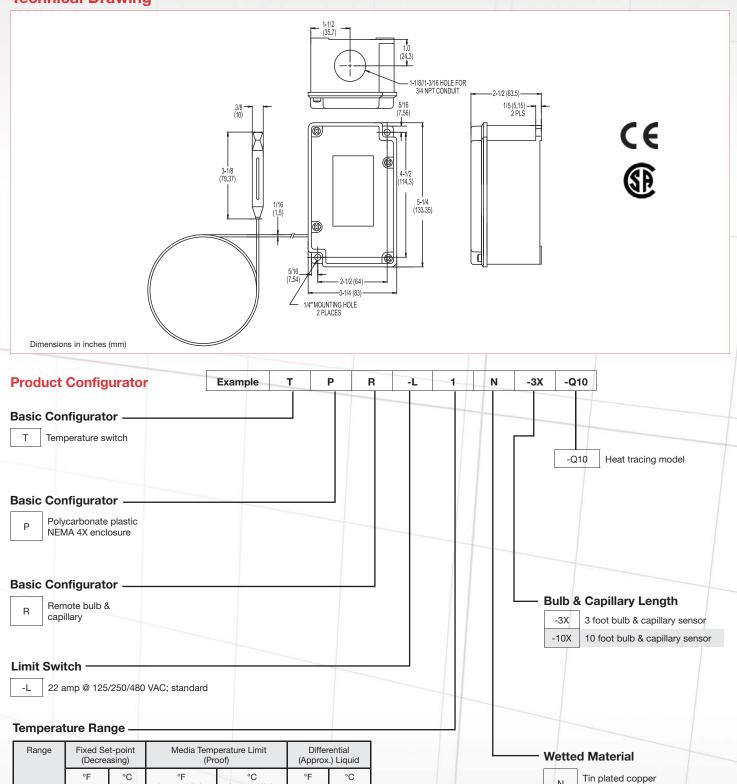
Lead	Circuit	
Normally Closed	Blue	
Common	on Purple	
Normally Open	Red	

Bulb and Capillary: Bulb:	3-1/8" (79mm), 1/16" (10mm) dia.		
Capillary Length:	30" (762mm) or 120" (3048mm)		
System Pressure (max):	300 psi without thermowell		
Fill:	Silicone oil-filled		
Approvals:	UL listed, file E56247 CSA certified, file LR 58658 EN/RFi: to EN 5011		
Temperature Range:	-40° to 160°F (-40° to 71°C) Fixed setpoint factory set at 40°F Contact closes on decreasing temperature		
Ambient Temperature:	-30° to 140°F (-34° to 60°C)		
Vibration:	10 g's 10-500 Hz, MIL-STD 202F		
Shock:	50 g's, 10 mS, MIL-STD 901C		
Weight:	1.1 lbs. (0.5 kg)		

Media Temperature Limits	Factory Preset	Differential (approximate)	Catalog Number
-40 to 160°F	40°F	10°F	TPR-L1N-3X-Q10
(-40 to 71°C)	(4.4°C)	(5.6°C)	



## **Technical Drawing**



sensor

+71°

High

+160°

-40°

4.4°

5.6°