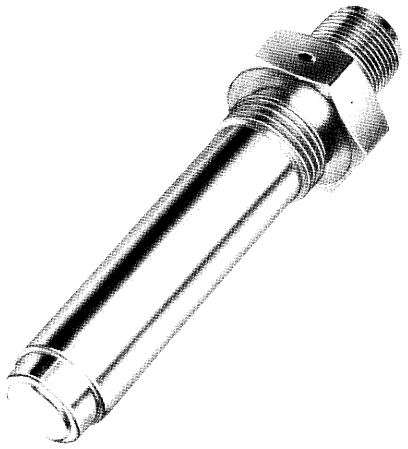


This snap-acting, probe-type thermal switch incorporates the reliable Klixon M1 thermostat.

Part Numbers

21542 3/4" - 16 thd/connector
21548 3/4" - 16 thd/leads
21549 1/2" pipe thd/connector
21543 1/2" pipe thd/leads
(SPDT available)

Electrical Characteristics

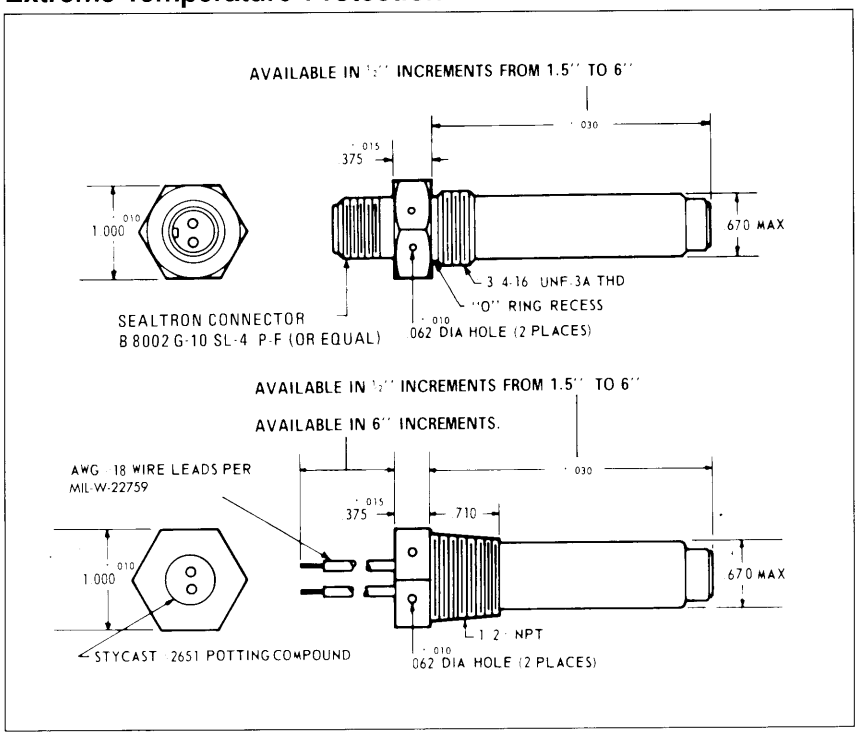
Dielectric Strength

1250 VAC, rms,
60 Cycles for 1 minute,
terminal to case;
1000 VAC, 60 cycles for 1 min.
terminal to terminal with contacts open; per MIL-STD-202, Method 301

Contact Resistance

0.100 ohms per MIL-STD-202, Method 307

Extreme Temperature Protection



Temperature Settings

Operating Temp. Range		Differential		Tolerance	
°F	°C	°F	°C	°F	°C
-65 to -1	-53.9 to -18.4	30	16.7	12	6.7
0 to 200	-17.8 to 93.3	20	11.1	7	3.9
201 to 300	93.9 to 148.9	30	16.7	10	5.6
301 to 450	149.5 to 223.2	40	22.2	14	7.8
451 to 550	223.8 to 287.8	70	38.9	30	16.7

Maximum temperature exposure while in the closed contact position is 200°F above closing temperature.

Tolerances are based on precision factory calibration and test equipment. Customers checking tolerances should allow for differences in test equipment of ±1°F. Temperature settings outside the ranges indicated or to closer tolerances will be considered on special request.

Contact Ratings (Resistive)

30 VAC/DC	125 VAC	250 VAC	Life Cycles
Amperes			
5.0	2.0	1.0	100,000
5.5	3.0	1.5	50,000
6.0	4.0	2.0	25,000
6.5	5.0	2.5	10,000
7.0	6.0	3.0	5,000

Based on standard differential

Special Contacts

Gold plated contacts can be furnished for the electrical loads listed in the following table to assure reliable circuit switching under low wattage conditions. Gold plated contacts are not suitable for higher loads.

Gold Contact Ratings (Resistive)

30 VAC/DC	500 mA and below
115 VAC	200 mA and below
230 VAC	100 mA and below