



KLIXON® | 4391 Series

High Capacity, Hermetically Sealed Thermostats
SPST or SPDT, Manual or Auto Reset

FEATURES

- Single Pole / Single Throw (SPST) or Single Pole / Double Throw (SPDT)
- Automatic or manual reset
- Preset temperature set points, non-adjustable calibration
- High current capacity, environmentally sealed
- Normally open or closed
- Various mounting brackets are available
- Capacity optional overmold

INTRODUCTION

The Klixon® 4391 series snap-acting disc type control is designed to provide crisp, positive switching action. The 4391 is the most versatile of the Klixon precision thermostats with its available SPST or SPDT switching, automatic or manual reset, and overmold options.

SPECIFICATIONS

Contact Ratings (Resistive)	Cycles	30VDC / 30VAC	125VAC	250VAC
	100,000	10.0 amps	4.0 amps	2.0 amps
	50,000	11.0 amps	6.0 amps	3.0 amps
	25,000	12.0 amps	8.0 amps	4.0 amps
	10,000	13.0 amps	10.0 amps	5.0 amps
	5,000	14.0 amps	12.0 amps	6.0 amps
Operating Temperature	Non-Overmold: 0°F to 450°F (-17.8°C to 232.2°C) Silicone Overmold: 0°F to 400°F (-17.8°C to 204.4°C)			
Dielectric Strength	1250 VAC, rms, 60 cycles for 1 minute (1500VAC available upon request)			
Vibration	5-500 Hz, 3G (std), 5-500, 5G (high vibration construction option)			
Hermeticity	1 x 10 ⁻⁵ atm cc/sec. maximum			
Ambient Temperature Range	Non-Overmold: -65°F to 450°F (-53.9°C to 232.2°C) Silicone Overmold: -60°F to 400°F (-51.1°C to 204.4°C)			
Weight	Non-Overmold: 21 grams w/ Silicone Overmold: 56 grams			

STANDARD TEMPERATURE SETTINGS

OPERATING TEMPERATURE	SPST (Single Pole / Single Throw), Standard Vibration				SPDT (Single Pole / Double Throw), High Vibration			
	DIFFERENTIAL		TOLERANCE		DIFFERENTIAL		TOLERANCE	
	°F	°C	± °F	± °C	°F	°C	± °F	± °C
0 to 200°F (-17.8 to 93.3°C)	15	8.3	5	2.8	25	13.9	8	4.4
210 to 300°F (-98.9 to 148.9°C)	25	13.9	7	3.9	30	16.7	10	5.6
325 to 350°F (-160 to 176.7°C)	45	25.0	12	6.7	45	25.0	12	6.7
375 to 450°F * (-190.6 to 232.2°C) auto reset only	60	33.3	15	8.3	60	13.9	15	8.3

Standard temperature set points are at every 5°F degrees (for example, 320°F, 325°F, 330°F).

Consult Sensata Technologies if a custom operating temperature range is required.

* Available in automatic reset only