



## 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				
<b>Contact Ratings (Resistive)</b>	<i>Cycles</i>	<i>30VDC / 30VAC</i>	<i>125VAC</i>	<i>250VAC</i>
	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
<b>Operating Temperature</b>	Non-Overmold: -18°C to 232°C (0°F to 450°F) Silicone Overmold: -18°C to 204°C (0°F to 400°F)			
<b>Dielectric Strength</b>	1250 VAC, rms, 60 cycles for 1 minute (1500VAC available upon request)			
<b>Vibration</b>	5-500 Hz, 3G (std), 5-500, 5G (high vibration construction option)			
<b>Hermeticity</b>	1 x 10 <sup>-5</sup> atm cc/sec. maximum			
<b>Ambient Temperature Range</b>	Non-Overmold: -54°C to 232°C (-65°F to 450°F) Silicone Overmold: -51°C to 204°C (-60°F to 400°F)			
<b>Weight</b>	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	
	°C	°F	± °C	± °F	°C	°F	± °C	± °F
-18 to 93°C (0 to 200°F)	8	15	3	5	14	25	4.4	8
-99 to 149°C (210 to 300°F)	14	25	4	7	17	30	6	10
-160 to 177°C (325 to 350°F)	25	45	7	12	25	45	7	12
-191 to 232°C * (375 to 450°F) auto reset only	33	60	8	15	14	60	8	15

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