



## KLIXON® | 6786 Series

½" Disc, Low Profile Thermostats  
-20°F to 350°F, SPST

### FEATURES

- Single Pole / Single Throw (SPST)
- Preset temperature set points, non-adjustable calibration
- Normally open or normally closed
- Max resistive load: 7 amps
- Environmentally sealed, low profile
- Various mounting configurations available including brackets, studs, and with or without surface mounting brackets
- UL recognized, Canadian-UL (UL File #34618)

### INTRODUCTION

The Klixon® 6786 thermostat is a snap-acting disc type control designed to provide crisp, positive switching action for applications where maximum shock and vibration resistance is required. The Klixon snap-acting disc and fine silver electrical contacts are sealed in a stainless steel cup to provide protection from dust and other foreign particles. This construction also assures rapid thermal response plus dependable circuit operation at all times. The small size of the 6786 makes it particularly suitable where space and weight accommodations are limited.

### SPECIFICATIONS

Contact Ratings (Resistive)	<i>Cycles</i>	<i>30VDC / 30VAC</i>	<i>125VAC</i>	<i>250VAC</i>
	100,000	5.0 amps	2.0 amps	1.0 amps
50,000	5.5 amps	3.0 amps	1.5 amps	
25,000	6.0 amps	4.0 amps	2.0 amps	
10,000	6.5 amps	5.0 amps	2.5 amps	
5,000	7.0 amps	6.0 amps	3.0 amps	
<b>Operating Temperature</b>	-20°F to 350°F			
<b>Dielectric Strength</b>	1250 VAC, rms, 60 cycles for 1 minute, terminal to case per MIL-STD-202, Method 301			
<b>Vibration</b>	10-500 Hz, 10G, per MIL-STD-202, Method 204, Condition A (unmonitored)			
<b>Shock</b>	30G, 11 milliseconds			
<b>Ambient Temperature Range</b>	-65°F to +400°F (-53.9°C to 204.4°C)			
<b>Average Weight</b>	2.5 grams			

## STANDARD TEMPERATURE SETTINGS

OPERATING TEMPERATURE		DIFFERENTIAL		TOLERANCE	
°F	°C	°F	°C	± °F	± °C
-20	-28.9	30	16.7	10	5.6
0	-17.8	20	11.1	10	5.6
10	-12.2	20	11.1	10	5.6
20	-6.7	20	11.1	8	4.4
30	-1.1	20	11.1	8	4.4
40	4.4	20	11.1	8	4.4
50	10.0	20	11.1	8	4.4
60	15.6	20	11.1	8	4.4
70	21.1	20	11.1	8	4.4
80	26.7	20	11.1	8	4.4
90	32.2	20	11.1	8	4.4
100	37.8	20	11.1	8	4.4
110	43.3	20	11.1	8	4.4
120	48.9	20	11.1	8	4.4
130	54.4	20	11.1	8	4.4
140	60.0	20	11.1	8	4.4
150	65.6	20	11.1	8	4.4
160	71.1	20	11.1	8	4.4
170	76.7	20	11.1	8	4.4

OPERATING TEMPERATURE		DIFFERENTIAL		TOLERANCE	
°F	°C	°F	°C	± °F	± °C
180	82.2	20	11.1	8	4.4
190	87.8	20	11.1	8	4.4
200	93.3	20	11.1	10	5.6
210	98.9	30	16.7	10	5.6
220	104.4	30	16.7	10	5.6
230	110.0	30	16.7	10	5.6
240	115.6	30	16.7	10	5.6
250	121.1	30	16.7	10	5.6
260	126.7	30	16.7	10	5.6
270	132.2	30	16.7	10	5.6
280	137.8	30	16.7	10	5.6
290	143.3	30	16.7	10	5.6
300	148.9	30	16.7	10	5.6
310	154.4	40	22.2	12	6.7
320	160.0	40	22.2	12	6.7
330	165.6	40	22.2	12	6.7
340	171.1	40	22.2	12	6.7
350	176.7	40	22.2	12	6.7
<i>Consult factory for additional temperatures</i>					