



KLIXON® | 6786 Series

½" Disc, Low Profile Thermostats
-29°C to 177°C, 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	
Operating Temperature	-29°C to 177°C (-20°F to 350°F)			
Dielectric Strength	1250 VAC, rms, 60 cycles for 1 minute, terminal to case per MIL-STD-202, Method 301			
Vibration	10-500 Hz, 10G, per MIL-STD-202, Method 204, Condition A (unmonitored)			
Shock	30G, 11 milliseconds			
Ambient Temperature Range	-54°C to 204°C (-65°F to +400°F)			
Average Weight	2.5 grams			

STANDARD TEMPERATURE SETTINGS

OPERATING TEMPERATURE		DIFFERENTIAL		TOLERANCE	
°C	°F	°C	°F	± °C	± °F
-29	-20	17	30	6	10
-18	0	11	20	6	10
-12	10	11	20	6	10
-7	20	11	20	4.4	8
-1	30	11	20	4.4	8
4.4	40	11	20	4.4	8
10	50	11	20	4.4	8
16	60	11	20	4.4	8
21	70	11	20	4.4	8
27	80	11	20	4.4	8
32	90	11	20	4.4	8
38	100	11	20	4.4	8
43	110	11	20	4.4	8
49	120	11	20	4.4	8
54	130	11	20	4.4	8
60	140	11	20	4.4	8
66	150	11	20	4.4	8
71	160	11	20	4.4	8
77	170	11	20	4.4	8

OPERATING TEMPERATURE		DIFFERENTIAL		TOLERANCE	
°C	°F	°C	°F	± °C	± °F
82	180	11	20	4.4	8
88	190	11	20	4.4	8
93	200	11	20	6	10
99	210	17	30	6	10
104	220	17	30	6	10
110	230	17	30	6	10
116	240	17	30	6	10
121	250	17	30	6	10
127	260	17	30	6	10
132	270	17	30	6	10
138	280	17	30	6	10
143	290	17	30	6	10
149	300	17	30	6	10
154	310	22	40	7	12
160	320	22	40	7	12
166	330	22	40	7	12
171	340	22	40	7	12
177	350	22	40	7	12
<i>Consult factory for additional temperatures</i>					