



KLIXON® | 7BT2 Series

High Capacity, Environmentally Sealed Thermostats
30°F to 400°F, SPST

FEATURES

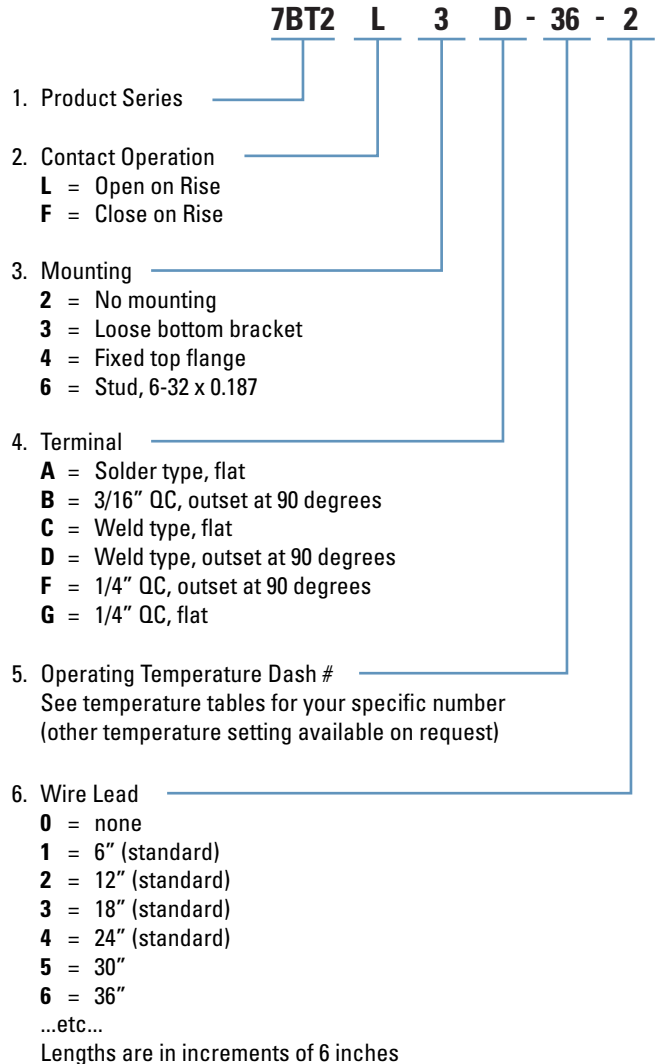
- Single Pole / Single Throw (SPST)
- Preset temperature set points, non-adjustable calibration
- High current capacity, environmentally sealed
- Max resistive load: 15 amps
- UL, Canadian-UL (UL File #34618), KEMA (ENEC, file #2018218.03)

INTRODUCTION

The Klixon® 7BT2 thermostat is a snap-acting disc type control designed to provide crisp, positive switching action. The bimetal disc and electrical contacts are enclosed in a stainless steel cup to provide protection from dust and other foreign particles. The 7BT2 is available in a variety of configurations, making it a versatile candidate for your thermal protection needs.

SPECIFICATIONS				
Contact Ratings (Resistive, Max Temp 400°F)	<i>Cycles</i>	<i>120 VAC</i>	<i>240VAC</i>	<i>30VDC</i>
	100,000	15.0A	7.5A	10A
Operating Temperature	30°F to 400°F (-1.1°C to 204.4°C)			
Dielectric Strength	2000 VAC, rms, 60 cycles for 1 minute, terminal to case			
Ambient Temperature Range	-20°F to +400°F (-28.9°C to 204.4°C)			

STANDARD PART NUMBER BUILDER





STANDARD TEMPERATURE SETTINGS

DASH #	OPERATING TEMPERATURE		DIFFERENTIAL		TOLERANCE	
	°F	°C	°F	°C	± °F	± °C
1	120	48.9	20	11.1	5	2.8
2	125	51.7	20	11.1	5	2.8
3	130	54.4	20	11.1	5	2.8
4	135	57.2	20	11.1	5	2.8
5	140	60.0	20	11.1	5	2.8
6	145	62.8	20	11.1	5	2.8
7	150	65.6	20	11.1	5	2.8
8	155	68.3	20	11.1	5	2.8
9	160	71.1	20	11.1	5	2.8
10	165	73.9	20	11.1	5	2.8
11	170	76.7	20	11.1	5	2.8
12	175	79.4	20	11.1	5	2.8
13	180	82.2	20	11.1	5	2.8
14	185	85.0	20	11.1	5	2.8
15	190	87.8	20	11.1	5	2.8
16	195	90.6	20	11.1	5	2.8
17	200	93.3	20	11.1	5	2.8
18	205	96.1	30	16.7	8	4.4
19	210	98.9	30	16.7	8	4.4
20	215	101.7	30	16.7	8	4.4
21	220	104.4	30	16.7	8	4.4
22	225	107.2	30	16.7	8	4.4
23	230	110.0	30	16.7	8	4.4
24	235	112.8	30	16.7	8	4.4
25	240	115.6	30	16.7	8	4.4
26	245	118.3	30	16.7	8	4.4

STANDARD TEMPERATURE SETTINGS

DASH #	OPERATING TEMPERATURE		DIFFERENTIAL		TOLERANCE	
	°F	°C	°F	°C	± °F	± °C
27	250	121.1	30	16.7	8	4.4
28	255	123.9	30	16.7	8	4.4
29	260	126.7	30	16.7	8	4.4
30	265	129.4	30	16.7	8	4.4
31	270	132.2	30	16.7	8	4.4
32	275	135.0	30	16.7	8	4.4
33	280	137.8	30	16.7	8	4.4
34	285	140.6	30	16.7	8	4.4
35	290	143.3	30	16.7	8	4.4
36	295	146.1	30	16.7	8	4.4
37	300	148.9	30	16.7	8	4.4
38	305	151.7	40	22.2	12	6.7
39	310	154.4	40	22.2	12	6.7
40	315	157.2	40	22.2	12	6.7
41	320	160.0	40	22.2	12	6.7
42	325	162.8	40	22.2	12	6.7
43	330	165.6	40	22.2	12	6.7
44	335	168.3	40	22.2	12	6.7
45	340	171.1	40	22.2	12	6.7
46	345	173.9	40	22.2	12	6.7
47	350	176.7	40	22.2	12	6.7

For 30°F to 110°F and 360°F to 400°F, consult factory for a customer specific dash #