

# 4BTR2-7-98

KLIXON® Tiny Stat™ 4BT Series Thermostats

## FEATURES

- Tiny Stat™ precision thermostat
- Smallest snap-acting thermal switches on the market
- Preset temperature set points
- Single pole, single throw (SPST)
- Hermetically sealed and back-filled with nitrogen
- Qualified to MIL-PRF-24236/13



### PERFORMANCE CHARACTERISTICS - 4BTR2-7-98

|                              |  |                     |                         |
|------------------------------|--|---------------------|-------------------------|
| <b>Operating Temperature</b> | -1,1°C (30°F)  | <b>Differential</b> | 17°C (30°F)             |
| <b>Contact Operation</b>     | Open on rise   | <b>Tolerance</b>    | +/- 4.4°C (8°F)         |
| <b>Contact</b>               | gold   | <b>Weight</b>       | 0,9 grams               |
| <b>Wires</b>                 | 12" stranded 22 gauge white Teflon insulated   |                     |                         |
| <b>Contact Ratings</b>       | <i>Cycles</i>  | <i>Voltage</i>      | <i>Amps (resistive)</i> |
|                              | 10000  | 30 VAC / VDC        | 500 mA and below        |
|                              | 10000  | 115 VAC             | 200 mA and below        |
| <b>Contact Resistance</b>    | 0.050 ohms maximum per MIL-STD-202, Method 307                                       |                     |                         |
| <b>Dielectric Strength</b>   | 500 Vac, RMS, 60 Hz for 5 seconds, across open contacts, per MIL-STD-202, Method 301 |                     |                         |
| <b>Vibration Resistance</b>  | 5–2000 Hz, 30 G, per MIL-STD-202, Method 204   |                     |                         |
| <b>Shock Resistance</b>      | 100 G, 6 milliseconds per MIL-STD-202, Method 213                                    |                     |                         |
| <b>Hermeticity</b>           | 1 x 10 <sup>-8</sup> atm cc/sec. maximum, per MIL-STD-202, Method 112, Condition C   |                     |                         |
| <b>Salt Spray Resistance</b> | Per MIL-STD-202, Method 101, Condition B, 5% solution                                |                     |                         |

## CONFIGURATION : Grounded Case Construction



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