**Bimetallic monocontact thermo-switch series TM4/A1**

TM4/A1 Series temperature switches are normally open. They close on rise when the fluid temperature exceeds the higher set point (turning the fan on). They re-open at the lower set point (turning the fan off). The 22°F hysteresis prevents the fan from over-cycling. The top of the switch may be rotated in 90° increments for ease of wiring.

**Technical Data**
- **Working temperature**: from -68°F to 248°F
- **Commutation frequency**: 20 cycles/min
- **Switching accuracy**: +/- 7°F
- **Fixed hysteresis value**: about 22°F
- **Body material**: brass
- **Thread connection**: ½ BSPP (seal included)
- **Max pressure**: 2900 PSI
- **Mounting**: in any position
- **Weight**: 2.5 oz.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Temperature Range</th>
<th>Model Code Feature Adder</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM 44 / A1</td>
<td>104 - 82°F</td>
<td>- 1</td>
</tr>
<tr>
<td>TM 45 / A1</td>
<td>122 - 100°F</td>
<td>- 2</td>
</tr>
<tr>
<td>TM 46 / A1</td>
<td>140 - 118°F</td>
<td>- 3</td>
</tr>
<tr>
<td>TM 47 / A1</td>
<td>158 - 136°F</td>
<td>- 4</td>
</tr>
<tr>
<td>TM 48 / A1</td>
<td>176 - 154°F</td>
<td>- 5</td>
</tr>
<tr>
<td>TM 49 / A1</td>
<td>194 - 172°F</td>
<td>- 6</td>
</tr>
</tbody>
</table>

Normally closed switches are available: Consult factory.

**Electrical Data**
- **Electrical connections**: DIN 43650
- **Electrical protection**: DIN 40050 IP65
- **Maximum contact load 230V**: 10A & DC12V - 10A & DC24V - 5A
- **Normally closed switches are available**: Consult factory

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**Optional Temperature Controls**

**Adjustable Thermostat TC2**

Unipolar, liquid filled, encased, switch contacts, immersion thermostat, bulbwell included.

**Technical Data**
- **Differential**: ΔT 5.4°F;
- **Contacts**: Ag 1000/1000;
- **Maximum contact load 230V**: 10A
- **Switch of cutoff contacts loading**:
- **Fairlead**: PG9;
- **Max. head temperature**: 176°F
- **Max. sensing bulb temperature**: 266°F
- **Temperature rate of change**: 1 K/min
- **Degree of protection**: IP 40
- **Number of automatic cycles**: II (100,000)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Temperature range</th>
<th>Model Code Feature Adder</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC2 L100</td>
<td>0 - 194°F</td>
<td>- 8</td>
</tr>
</tbody>
</table>

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**Adjustable Thermostat TC2 L = 39 inch**

**Technical Data**
- **Temperature range**: 0 - 194°F
- **Differential**: ΔT 5.4°F;
- **Contacts rating**: 10(2.5)A/230V
- **Fairlead**: M20x1.5 mm;
- **Max. head temperature**: 176°F
- **Max. sensing bulb temperature**: 302°F
- **Temperature rate of change**: 1 K/min
- **Degree of protection**: IP 40
- **Silver contacts**