Remote Mount Temperature Switches  
Series MT1H, T2H

Features
- Reliable & accurate
- Ambient compensated
- NEMA 4, 13 and IP 65
- UL, CSA & CE approved
- Single or dual switching

Applications
- Marine & shipbuilding
- Railroad
- Oil & gas
- Medical
- Compressors
- Water equipment
- Process equipment
- Machine tools and industrial equipment

Accuracy:
±1% of mid-60% of full range. At constant ambient ±0.5% of full scale.

Switch:
One (1) SPDT or two (2) independent SPDT circuits

Electrical Characteristics:
All models incorporate Underwriters’ Laboratories, Inc. and CSA listed single pole double throw snap-action switching elements. Switches may be wired normally open or normally closed.

Wetted Parts:
Copper or 304 stainless steel

Electrical Connection:
Single: 3-Pin terminal strip  
Dual: 6-Pin terminal strip

Electrical Ratings:
AC value at 75% power factor —10 amps @ 125, 250 volts AC, 3 amps @ 480 volts AC. Automatically reset by snap-action of switch.

Enclosure/Housing:
Watertight and dust-tight indoor and outdoor (NEMA 4)/oil-tight and dust-tight indoor (NEMA 13).

Bulb & Capillary:
6 and 12 foot length standard. See operating characteristics and product configurator.

Approvals:
Underwriters’ Laboratories, Inc. and Canadian Standard Assoc. are listed under temperature indicating and regulating equipment.

UL:
File No. E56247, Guide No. XAPX

CSA:
File No. LR34555, Guide 400-E-O  
Class 4813

Temperature Range:
See product configurator

Adjustment:
Tamper resistant external adjustment. Turn knob clockwise to increase setpoint.

Weight:
Single: approximate 1.5 lbs.  
Dual: approximate 3.0 lbs.

* See Product Configurator for additional options.

Wiring Code

<table>
<thead>
<tr>
<th>Lead</th>
<th>Circuit #1</th>
<th>Circuit #2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normally Closed</td>
<td>Blue</td>
<td>Orange</td>
</tr>
<tr>
<td>Common</td>
<td>Purple</td>
<td>Brown</td>
</tr>
<tr>
<td>Normally Open</td>
<td>Red</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

Wiring Diagram

MT1H  

T2H
Remote Mount Temperature Switches

Series MT1H, T2H

Technical Drawing

Product Configurator

Example H M T1 H -HH 154 S -12 -A -FX

Limit Switch

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>10 amps @ 125/250 VAC, 3 amp @ 480 VAC (standard)</td>
</tr>
<tr>
<td>-B</td>
<td>10 amps @ 125/250/480 VAC, 2 amps @ 600 VAC, 0.05 amps @ 125 VDC, 0.03 amps @ 250 VDC</td>
</tr>
<tr>
<td>-G</td>
<td>10 amps @ 125/250/480 VAC, 2 amps @ 600 VAC, 0.4 amps @ 125 VDC, MANUAL RESET</td>
</tr>
<tr>
<td>-J</td>
<td>10 amps @ 125/250 VAC, 3 amps @ 480 VAC (with elastomer boot)</td>
</tr>
<tr>
<td>-L</td>
<td>15 amps @ 125/250/480 VAC, 0.05 amps @ 125 VDC, 0.03 amps @ 250 VDC</td>
</tr>
<tr>
<td>-M</td>
<td>10 amps @ 125/250/480 VAC, 3 amp @ 480 VAC, 0.5 amps @ 125 VDC, 0.25 amps @ 250 VDC</td>
</tr>
<tr>
<td>-S</td>
<td>15 amps @ 125/250/480 VAC, 0.05 amps @ 125 VDC, Adjustable differential</td>
</tr>
<tr>
<td>-GH</td>
<td>1 amp @ 125 VAC; gold contacts</td>
</tr>
<tr>
<td>-AA</td>
<td>Hermetically sealed; 4 amps @ 125/250 VAC</td>
</tr>
<tr>
<td>-CC</td>
<td>Hermetically sealed; 10 amps @ 125/250 VAC</td>
</tr>
<tr>
<td>-HH</td>
<td>Hermetically sealed; 5 amps @ 125/250 VAC</td>
</tr>
</tbody>
</table>

Temperature Range

<table>
<thead>
<tr>
<th>Range</th>
<th>Adjustable Range</th>
<th>Media Temperature Limit (Proof)</th>
<th>Differential (Approx.) Liquid</th>
<th>Calibrated Dial Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>154</td>
<td>-50 +150</td>
<td>Low: -73 High: +93</td>
<td>1 to 2 5 to 1.1</td>
<td></td>
</tr>
<tr>
<td>251</td>
<td>+50 +250</td>
<td>Low: +121 High: +149</td>
<td>1 to 2 5 to 1.1</td>
<td></td>
</tr>
<tr>
<td>351</td>
<td>+150 +350</td>
<td>Low: +177 High: +200</td>
<td>1 to 2 5 to 1.1</td>
<td></td>
</tr>
<tr>
<td>601</td>
<td>+300 +600</td>
<td>Low: +650 High: +348</td>
<td>2 to 4 1.1 to 2.2</td>
<td></td>
</tr>
<tr>
<td>603</td>
<td>+320 +600</td>
<td>Low: +650 High: +343</td>
<td>2 to 4 1.1 to 2.2</td>
<td></td>
</tr>
</tbody>
</table>

Enclosure

H: NEMA 4 & IP65 enclosure

NOTES:
1 Use G limit switch for single set point models that need this option. When selecting the manual reset option on dual setting switches (T2H), the manual reset limit switch will be on the high circuit. The low circuit limit switch must be specified by the customer.

2 Changing limit switch will effect dead band; See sales drawing.

3 When selecting the `S` adjustable differential limit switch option on a dual setting switch (T2H), a standard `H` switch will be paired with an `S` switch. Dual `S` pricing will apply.

4 Add `S` wetted material adder to this. No additional adder from armor options table.