## Remote Mount Temperature Switches

## Features

- Reliable \& accurate
- Ambient temperature compensated
- NEMA 4, 13
- 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



## General Specifications*

| Accuracy: <br> (Repeatability) | $\pm 1 \%$ of mid-60\% of full range. At <br> constant ambient $\pm 0.5 \%$ of full scale. <br> (Knob indication is reference only) |
| :--- | :--- |
| Switch: | One (1) SPDT or two (2) independent <br> SPDT circuits |
| Electrical <br> Characteristics: | All models incorporate Underwriters' <br> Laboratories, Inc. and CSA listed single <br> pole double throw snap-action switching <br> elements. Switches may be wired <br> normally open or normally closed. |
| Wetted Parts: | Copper or 304 stainless steel |
| Electrical <br> Connection: | Single: 3-Pin terminal strip <br> Dual: 6-Pin terminal strip |
| Electrical Ratings: | AC value at 50\% power factor -10 amps <br> @ 125, 250 volts AC, 3 amps @ 480 volts <br> AC. Automatically reset by snap-action of <br> switch. |
| Enclosure/Housing: | Watertight and dust-tight indoor and <br> outdoor (NEMA 4)/oil-tight and dust-tight <br> indoor (NEMA 13). |

* See Product Configurator for additional options.


## Wiring Code

| Lead | Circuit \#1 | Circuit \#2 |
| :---: | :---: | :---: |
| Normally Closed | Blue | Orange |
| Common | Purple | Brown |
| Normally Open | Red | Yellow |

## Wiring Diagram




T2H

## Remote Mount Temperature Switches

## Technical Drawing


Product Configurator

| Highlighted options represent th ose m |  |
| :---: | :--- |
| Select these common options for improve |  |
| H | Hermetically sealed limit switch <br> option - Class I, Division II <br> (requires AA, CC, GH or HH <br> limit switch, $60^{\circ} \mathrm{C}$ Ta max.) <br> Standard |
| Blank | Single setpoint <br> switch models <br> Dual switch models |
| Blank |  |
| Switch |  |


| T1 | Single SPDT |
| :--- | :--- |
| T2 | Dual switch 2 independent SPDT |

## Enclosure

## H NEMA 4 enclosure

## NOTES:

${ }^{1}$ Changing limit switch will effect dead band; See sales drawing.
${ }^{2}$ Use G limit switch for single setpoint models that need this option. When selecting the manual rese 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.
${ }^{3}$ Add 'S' wetted material. FX models require stainless steel capillaries. Consult factory; minimum quantities required.
${ }^{4}$ Add ' $S$ ' wetted material adder and ' $A$ ' armor adder to this. Capillary length ' 25 ' requires stainless steel capillary and armor.
${ }^{5}$ Factory preset is available for all ranges, limited to $400^{\circ} \mathrm{F}$ setpoint(s).


| - RD $^{2}$ | Manual reset |
| :---: | :--- |
| - FX $^{3}$ | NEMA 4X enclosure <br> (consult factory) |
| - SXXX $^{5}$ | Factory pre-set <br> (consult factory) |


| -H | 10 amps @ 125/250 VAC; 3 amp @ 480 VAC (standard) |
| :---: | :---: |
| -B | 10 amps @ 125/250/480 VAC; 2 amps @ 600 VAC; 0.05 amps @ $125 \mathrm{VDC} ; 0.03 \mathrm{amps}$ @ 250 VDC |
| $-\mathrm{G}^{2}$ | 10 amps @ 125/250/480 VAC; 2 amps @ 600 VAC; 0.4 amps @ 125 VDC; MANUAL RESET |
| -J | 10 amps @ $125 / 250$ VAC; 3 amps @ 480 VAC (with elastomer boot) |
| -L | 15 amps @ 125/250/480 VAC; 0.03 amps @ 125 VDC; 0.02 amps @ 250 VDC |
| -M | 10 amps @ 125/250 VAC; 3 amp @ 480 VAC; 0.5 amps @ 125 VDC; 0.25 amps @ 250 VDC |
| -S | 15 amps @ 125/250/480 VAC; 0.05 amps @ $125 \mathrm{VDC} ;$ Adjustable differential |
| -GH | 1 amp @ 125VAC; gold contacts |
| -AA | Hermetically sealed; 4 amps @ 125/250 VAC |
| -CC | Hermetically sealed; 10 amps @ 125/250 VAC |
| -HH | Hermetically sealed; 5 amps @ 125/250 VAC |
| -GH | Hermetically sealed; 1 amp @ 125 VAC ; gold contacts |

Temperature Range

| Range | Adjustable Range |  |  |  | Media Temperature Limit (Proof) |  |  |  | Differential ${ }^{1}$ (Approx.) Liquid |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ${ }^{\circ} \mathrm{F}$ |  | ${ }^{\circ} \mathrm{C}$ |  | ${ }^{\circ} \mathrm{F}$ |  | ${ }^{\circ} \mathrm{C}$ |  | ${ }^{\circ} \mathrm{F}$ | ${ }^{\circ} \mathrm{C}$ | Calibrated Dial Adjustment |
|  | Low | High | Low | High | Low | High | Low | High |  |  |  |
| 154 | -50 | +150 | -45 | +66 | -100 | +200 | -73 | +93 | 1 to 2 | . 5 to 1.1 | Calibrated $5^{\circ}$ <br> Subdivision <br> $200^{\circ}$ Span |
| 251 | +50 | +250 | +10 | +121 | -100 | +300 | -73 | +149 | 1 to 2 | . 5 to 1.1 |  |
| 351 | +150 | +350 | +66 | +177 | -100 | +400 | -73 | +205 | 1 to 2 | . 5 to 1.1 |  |
| 601 | +300 | +400 | +149 | +227 | 0 | +650 | -18 | +343 | 2 to 4 | $\begin{gathered} 1.1 \text { to } \\ 2.2 \end{gathered}$ | $5^{\circ}$ Subdivision $140^{\circ}$ Span |
| 603 | +320 | +600 | +160 | +316 | 0 | +650 | -18 | +343 | 2 to 4 | $\begin{gathered} 1.1 \text { to } \\ 2.2 \end{gathered}$ | $10^{\circ}$ Subdivision $280^{\circ}$ Span |

Armor Options

-A armor

Capillary Length

| Blank | 6 foot capillary |
| :---: | :--- |
| -12 | 12 foot capillary |
| $-25^{4}$ | 25 foot stainless steel <br> capillary |

Wetted Material
Blank Copper sensor
S 304 stainless steel

