## Local Mount Temperature Switches

## Features

- Reliable \& accurate
- Local sensing
- NEMA 4
- UL, CSA \& CE approved
- Single or dual switching


## Applications

- Oil \& gas
- Mining
- Tanks and reservoirs
- Compressors
- Plastic machinery
- Factory automation
- 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: | Single: 1 SPDT <br> Dual switching: 2 independent 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 normally <br> open or normally closed. |
| Wetted Parts: | Brass 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> $125,250 ~ v o l t s ~ A C, ~ 3 ~ a m p s ~ 480 ~ v o l t s ~ A C . ~$ <br> Automatically reset by snap-action of switch. |
| Enclosure/Housing: | Water-tight and dust-tight indoor and <br> outdoor (NEMA 4) / oil-tight and dust-tight <br> indoor (NEMA 13). |
| Local Mount: | Immersion length 2-1/16 inches |


| Approvals/Listings: | Underwriters' Laboratories, Inc. and <br> Canadian Standard Assoc. are listed <br> under temperature indicating and <br> regulating equipment. <br> UL: <br> CSA: |
| :--- | :--- |
| File No. E56247, Guide No. XAPX |  |
| File No. LR34555, Guide 400-E-O |  |
| Class 4813 |  |, | See product configurator. |
| :--- |
| Adjustment: |
| Tamper resistant external adjustment. <br> Turn knob clockwise to increase <br> setpoint. <br> (Knob indication is reference only) |
| Weight: |
| Single: approximate 1.5 lbs. <br> Dual: approximate 3.0 lbs. |

* See Product Configurator for additional options.


## Wiring Diagram

## Wiring Code

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

## Local Mount Temperature Switches

## Technical Drawing



## Enclosure

H NEMA 4 enclosure

## NOTES:

${ }^{1}$ Changing limit switch will effect dead band; See sales drawing.
${ }^{2}$ Use G limit switch for single set point models that need this option.
When selecting the manual reset option on dual setting switches (L2H),
the manual reset limit switch will be on the high circuit. The low circuit
limit switch must be specified by the customer.
${ }^{3}$ Not available with hermetically sealed limit switches.
${ }^{4}$ Add ' $S$ ' wetted material. FX models require stainless steel sensor.

| Range | Adjustable Range |  |  |  | Media Temperature Limit (Proof) |  |  |  | Differential (Approx.) ${ }^{1}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Low | High | Low | High | Low | High | Low | High | ${ }^{\circ} \mathrm{F}$ | ${ }^{\circ} \mathrm{C}$ |
| 201 | $-50^{\circ} \mathrm{F}$ | $+75^{\circ} \mathrm{F}$ | $-45^{\circ} \mathrm{C}$ | $+24^{\circ} \mathrm{C}$ | $-100^{\circ} \mathrm{F}$ | $+250^{\circ} \mathrm{F}$ | $-73^{\circ} \mathrm{C}$ | $+121^{\circ} \mathrm{C}$ | $1^{\circ}$ to $3^{\circ}$ | . $5^{\circ}$ to $1.6^{\circ}$ |
| 202 | $+15^{\circ} \mathrm{F}$ | $+140^{\circ} \mathrm{F}$ | $-9^{\circ} \mathrm{C}$ | $+60^{\circ} \mathrm{C}$ | $-100^{\circ} \mathrm{F}$ | $+250^{\circ} \mathrm{F}$ | $-73^{\circ} \mathrm{C}$ | $+121^{\circ} \mathrm{C}$ | $1^{\circ}$ to $3^{\circ}$ | . $5^{\circ}$ to $1.6^{\circ}$ |
| 203 | $+75^{\circ} \mathrm{F}$ | $+200^{\circ} \mathrm{F}$ | $+24^{\circ} \mathrm{C}$ | $+93^{\circ} \mathrm{C}$ | $-100^{\circ} \mathrm{F}$ | $+250^{\circ} \mathrm{F}$ | $-73^{\circ} \mathrm{C}$ | $+121^{\circ} \mathrm{C}$ | $1^{\circ}$ to $3^{\circ}$ | . $5^{\circ}$ to $1.6^{\circ}$ |
| 351 | $+100^{\circ} \mathrm{F}$ | $+225^{\circ} \mathrm{F}$ | $+38^{\circ} \mathrm{C}$ | $+107^{\circ} \mathrm{C}$ | -100 ${ }^{\circ} \mathrm{F}$ | $+400^{\circ} \mathrm{F}$ | $-73^{\circ} \mathrm{C}$ | $+205^{\circ} \mathrm{C}$ | $1^{\circ}$ to $3^{\circ}$ | . $5^{\circ}$ to $1.6^{\circ}$ |
| 204 | $-50^{\circ} \mathrm{F}$ | $+200^{\circ} \mathrm{F}$ | $-45^{\circ} \mathrm{C}$ | $+93^{\circ} \mathrm{C}$ | $-100^{\circ} \mathrm{F}$ | $+250^{\circ} \mathrm{F}$ | $-73{ }^{\circ} \mathrm{C}$ | $+121^{\circ} \mathrm{C}$ | $1^{\circ}$ to $3^{\circ}$ | . $5^{\circ}$ to $1.6^{\circ}$ |
| 354 | $+100^{\circ} \mathrm{F}$ | $+350^{\circ} \mathrm{F}$ | $+38^{\circ} \mathrm{C}$ | $+177^{\circ} \mathrm{C}$ | $-100^{\circ} \mathrm{F}$ | $+400{ }^{\circ} \mathrm{F}$ | $-73^{\circ} \mathrm{C}$ | $+205^{\circ} \mathrm{C}$ | $1^{\circ}$ to $3^{\circ}$ | . $5^{\circ}$ to $1.6^{\circ}$ |
| 454 | $+150^{\circ} \mathrm{F}$ | $+450^{\circ} \mathrm{F}$ | $+66^{\circ} \mathrm{C}$ | $+232^{\circ} \mathrm{C}$ | $0^{\circ} \mathrm{F}$ | $+500^{\circ} \mathrm{F}$ | $-18^{\circ} \mathrm{C}$ | $+260^{\circ} \mathrm{C}$ | $3^{\circ}$ to $6^{\circ}$ | $1.6^{\circ}$ to $3.3^{\circ}$ |

