# **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



**ML1H, L2H** 

## **General Specifications\***

| Accuracy:<br>(Repeatability)   | ±1% of mid-60% of full range. At<br>constant ambient ±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 volts AC, 3 amps 480 volts AC.<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  |

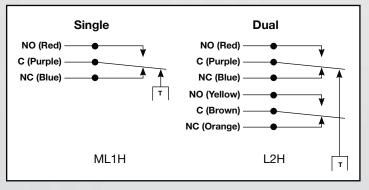
| Approvals/Listings: | Underwriters' Laboratories, Inc. and<br>Canadian Standard Assoc. are listed<br>under temperature indicating and<br>regulating equipment. |
|---------------------|--|
| UL:                 | File No. E56247, Guide No. XAPX  |
| CSA:                | File No. LR34555, Guide 400-E-O<br>Class 4813  |
| Temperature Range:  | 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 Code

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

## **Wiring Diagram**

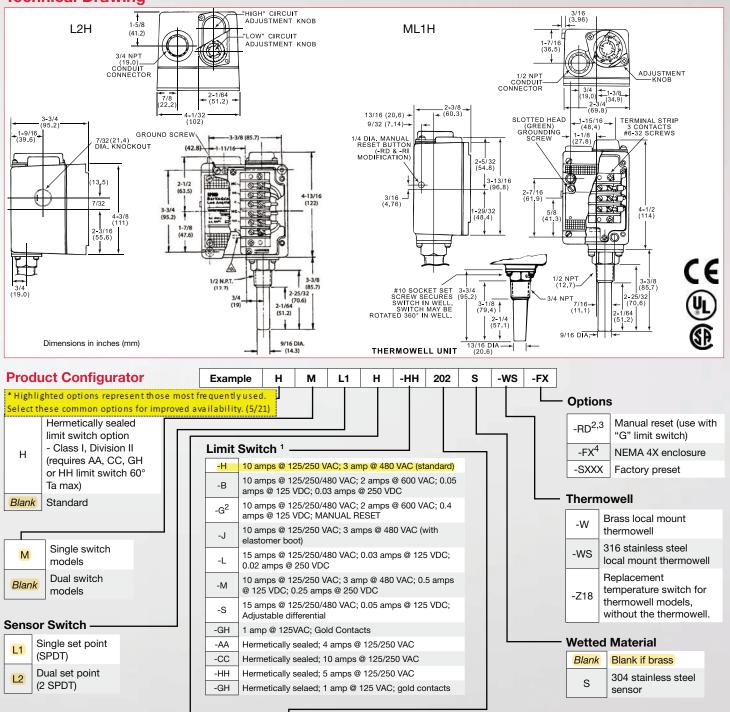


#### Barksdale® CONTROL PRODUCTS CRANE Barksdale, Inc/Barksdale GmbH Barksdale, Inc/Barksdale GmbH

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#### **Technical Drawing**



#### Enclosure Range Adjustable Range Media Temperature Limit (Proof) Differential (Approx.) 1 H NEMA 4 enclosure Low Hiah Low Hiah Hiah Low Hiah °F °C Low NOTES: 201 -50°F +75°F -45°C +24°C -100°F +250°F -73°C +121°C 1° to 3° .5° to 1.6° Changing limit switch will effect dead band; See sales drawing. 202 +15°F +140°F -9°C +60°C -100°F +250°F -73°C +121°C 1° to 3° .5° to 1.6° <sup>2</sup> Use G limit switch for single set point models that need this option. When selecting the manual reset option on dual setting switches (L2H), 203 +75°F +200°F +24°C +93°C -100°F +250°F -73°C +121°C 1° to 3° .5° to 1.6° the manual reset limit switch will be on the high circuit. The low circuit 351 +100°F +225°F +38°C +107°C -100°F +400°F -73°C +205°C 1° to 3 .5° to 1.6° limit switch must be specified by the customer. Not available with hermetically sealed limit switches. 1° to 3° +200°F +93°C +250°F -73°C 204 -50°F -45°C -100°F +121°C .5° to 1.6° <sup>4</sup> Add 'S' wetted material. FX models require stainless steel sensor. +38°C 354 +100°F +350°F +177°C -100°F +400°F -73°C +205°C 1° to 3° .5° to 1.6° 454 +150°F +450°F +66°C +232°C +500°F -18°C +260°C 0°F 3° to 6° 1.6° to 3.3°

## Barksdale

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