Local Mount Temperature Switches

ML1H, L2H

Features

- Reliable & accurate
- Local sensing
- ▶ NEMA 4 & IP 65
- ▶ 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*

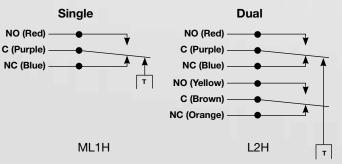
Accuracy: (Repeatability)	±1% of mid-60% of full range. At constant ambient ±0.5% of full scale.				
(Nepeatability)	(Knob indication is reference only)				
Switch:	Single: 1 SPDT				
	Dual switching: 2 independent SPDT circuits				
Electrical	All models incorporate Underwriters'				
Characteristics:	Laboratories, Inc. and CSA listed single pole double throw snap-action switching				
	elements. Switches may be wired normally				
	open or normally closed.				
Wetted Parts:	Brass or 304 stainless steel				
Electrical	Single: 3-pin terminal strip				
Connection:	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:	Water-tight and dust-tight indoor and outdoor (NEMA 4) / oil-tight and dust-tight indoor (NEMA 13).				
Local Mount:	Immersion length 2-1/16 inches				

Approvals/Listings:	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. (Knob indication is reference only)
Weight:	Single: approximate 1.5 lbs. Dual: approximate 3.0 lbs.

Wiring Code

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

Wiring Diagram

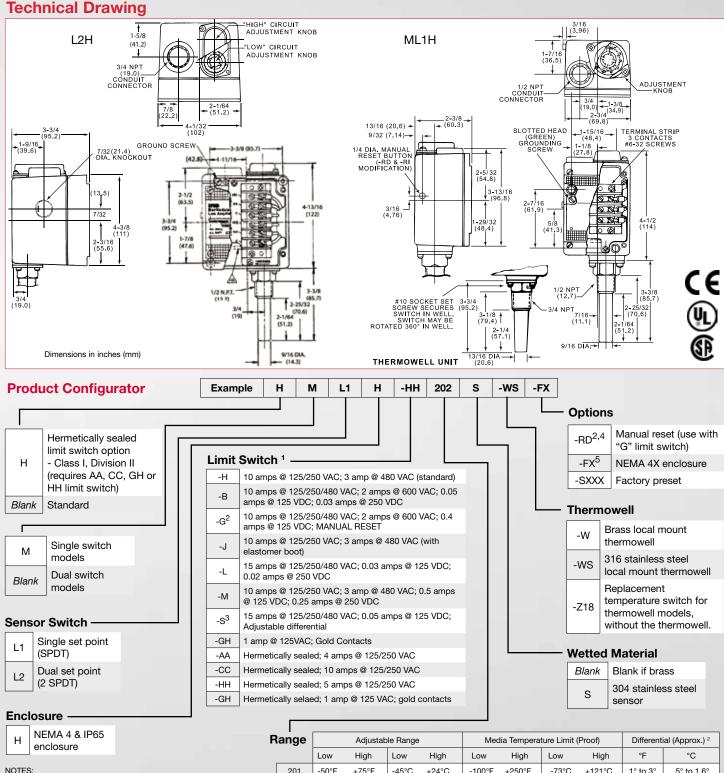




^{*} See Product Configurator for additional options.

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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 When selecting the 'S' adjustable differential limit switch option on a dual setting switch (L2H), a standard 'H' switch will be paired with an 'S' switch. Dual 'S' pricing will apply.

Not available with hermetically sealed limit switches.

⁵ Add 'S' wetted material. FX models require stainless steel sensor.

R	ange	Adjustable Range			Media Temperature Limit (Proof)				Differential (Approx.) 2		
		Low	High	Low	High	Low	High	Low	High	°F	°C
	201	-50°F	+75°F	-45°C	+24°C	-100°F	+250°F	-73°C	+121°C	1° to 3°	.5° to 1.6°
	202	+15°F	+140°F	-9°C	+60°C	-100°F	+250°F	-73°C	+121°C	1° to 3°	.5° to 1.6°
	203	+75°F	+200°F	+24°C	+93°C	-100°F	+250°F	-73°C	+121°C	1° to 3°	.5° to 1.6°
	351	+100°F	+225°F	+38°C	+107°C	-100°F	+400°F	-73°C	+205°C	1° to 3°	.5° to 1.6°
	204	-50°F	+200°F	-45°C	+93°C	-100°F	+250°F	-73°C	+121°C	1° to 3°	.5° to 1.6°
	354	+100°F	+350°F	+38°C	+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	0°F	+500°F	-18°C	+260°C	3° to 6°	1.6° to 3.3°