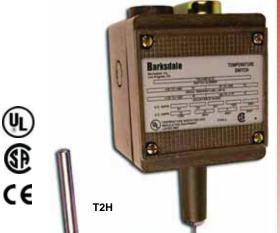
Remote Bulb and Capillary Temperature Switch

Series MT1H, T2H



- Reliable & Accurate
- Ambient Compensated
- ♦ NEMA 4 & IP 65
- ♦ UL, CSA & CE Approved

Barksdale's MT1H & T2H Series Temperature Switches provide unmatched performance, quality & reliability in a mechanical thermostat. The single set point MT1H and dual set point T2H, can switch, measure & control temperatures from -50° to 600°F (-45° to 316°C), The optional adjustable differential provides precise control while ambient compensation maintains 1/2% accuracy with external

VAC & 3 amps @ 480 VAC. Standard 3- & 6-pin terminal strips simplify installation. The MT1H & T2H Series are rated NEMA 4 & 13; the optional NEMA 4X construction protects the rugged die-cast aluminum enclosure from corrosive environments. A remote bulb and capillary sensor is available in copper or stainless steel allowing the switch to be mounted up to 25 feet from the temperature source. Optional thermowells allow the sensor to work in pressurized vessels to 5000 psi. UL listed & CSA approved, MT1H & T2H Series Temperature Switches are perfect for your tempera-

temperatures from -65° to 165°F. The MT1H & T2H Series are electrically rated for 10 amps @ 125/250

ture sensing needs



TR Automatyka Sp. z o.o.

ul. Lechicka 14 02-156 Warszawa tel. +48 (22) 886 10 16, fax. +48 (22) 846 50 37 NIP: 522-27-58-993

http:\\ www.trautomatyka.pl e-mail: biuro@trautomatyka.pl

W hen Tem perature Matters, CallBarksdale

Form any years, Barksdale tem perature switches have been switching, measuring and controlling critical processes throughout the world.

Protect Your Equipment with Barksdale

Barksdale tem perature switches prevent dam age to heavy industrial equipment by monitoring the tem perature of engine fluids and protecting against therm alloverbads. Hydraulic power units are protected by controlling the tem perature of fluids in systems in reservoirs.

In cold climates, Barksdale temperature switches controlheating devices that prevent pipes, valves and fittings from freezing preventing expensive bss and downtine. Barksdale thermostats also control the temperature in process piping to maintain the proper flow of media.

Barksdale temperature switches can be used in a variety of applications:

- Hydraulic PowerUnits
- Combustion Engines
- Tanks and Reservoirs
- •Gearboxes
- Pum ps
- Compressors
- M achine Tools and Industrial Equipment
- Farm & Construction Machinery
- Process Equipm ent



Need Something Special?

If you have special product requirements, we can help. Barksdale specializes in custom design solutions to meet your needs. We have design engineers and technical specialists who are experts in solving your unique temperature problems. Our technology and resources are at your disposal.

General Description

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.

AC value at 75% Power Factor —10 amps **Electrical Ratings**

> 125, 250 volts AC, 3 amps 480 volts AC. Automatically reset by snap-action of

switch.

Performance Characteristics

+/- 1% of mid - 60% of full range. At Accuracy constant ambient +/- 0.5% of full scale.

One (1) SPDT or Two (2) Independent

SPDT Circuits

Tamper Resistant External Adjustment Adjustment **Bulb & Capillary** 6 and 12 foot length standard. See

Operating Characteristics and Ordering

Data Chart

Physical

Switch

Weight Single: Approximate 1.5 lbs.,

Dual: Approximate 3.0 lbs.

Watertight and Dusttight Indoor and Enclosure/Housing

Outdoor (NEMA 4) Oiltight and Dusttight

Indoor (NEMA 13).

Flect. Connection Single: 3-Pin Terminal Strip

Dual: 6-Pin Terminal Strip

Wetted Materials Copper or 304 Stainless Steel Underwriters' Laboratories, Inc. and Approvals/Listings 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

Environmental

Temperature Range See Operating Characteristics and

Ordering Data Chart

Wire Coding

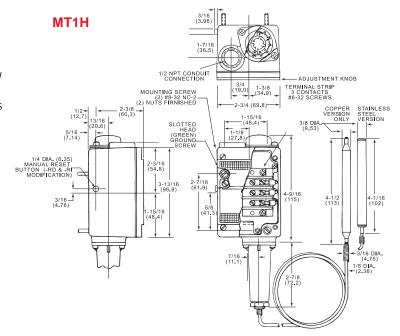
Circuit #1 Common: - Purple Low Circuit Normally Closed - Blue

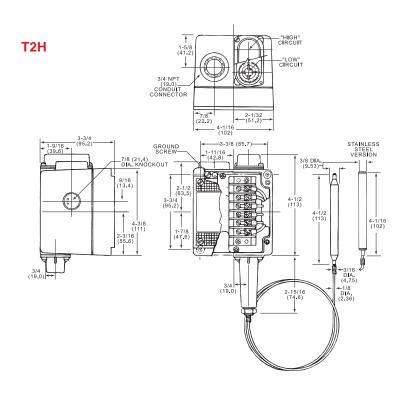
Norrmally Open - Red

Circuit #2 Common - Brown

High Circuit Normally Closed - Orange

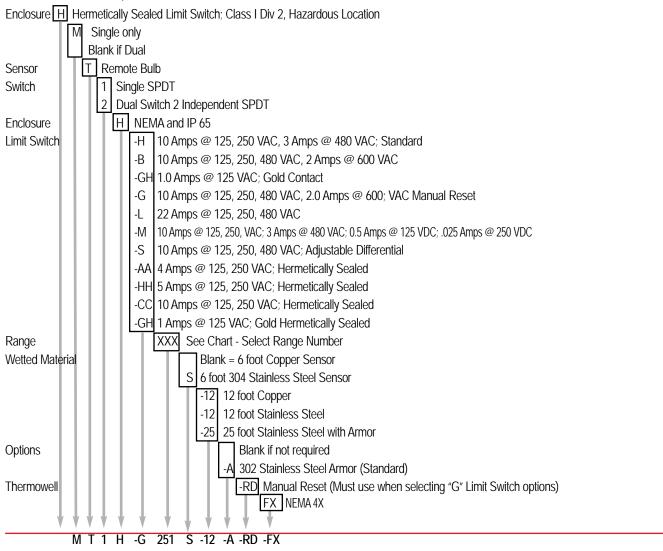
Normally Open - Yellow





Remote Bulb and Capillary Temperature Switch - Configurator

Series MT1H, T2H



Example: MT1H-G251S-12-A-RD-FX

NOTE: 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.

NOTE: Changing limit switch will effect dead band; See sales drawing

Operating Characteristics

Range	Adjustable Range				Media Temperature Limit				D ifferential		
					(Proof)				(Approx.) Liquid		
	°F		%		°F		°C		유	°C	Calibrated Dial
	Low	H ig h	Low	H ig h	Low	H ig h	Low	H ig h	-r	-0	Adjustm ent
154	-50	+150	-45	+66	-100	+200	-73	+93	1 to 2	.5 to 1.1	Calibrated
251	+50	+250	+10	+121	-100	+300	-73	+149	1 to 2	.5 to 1.1	5° Subdivision
351	+150	+350	+66	+177	-100	+400	-73	+205	1 to 2	.5 to 1.1	200° Span
601	+300	+440	+149	+227	0	+650	-18	+343	2 to 4	1.1 to 2.2	5° Subdivision
											140° Span
603	+320	+600	+160	+316	0	+650	-18	+343	2 to 4	1.1 to 2.2	10° Subdivision
											280° Span



TR Automatyka Sp. z o.o.

ul. Lechicka 14 02-156 Warszawa

tel. +48 (22) 886 10 16, fax. +48 (22) 846 50 37

NIP: 522-27-58-993

http:\\ www.trautomatyka.pl e-mail: biuro@trautomatyka.pl