

Mechanical temperature switches

Type T2H

with capillary

Features

- Dual switch with remote sensor and explosion proof housing
- Terminal clip integrated, set point adjustment in °C and °F under tamper protected cover
- Protection class: IP65, NEMA 4 / 13
- For use as two position controller
- Optional for high circuit S2:
 - Disconnection with manual reset, RD-micro switch
 - Adjustable hysteresis (dead band), S-micro switch
- The low circuit S1 can also be used for max. or min. monitoring or for sensor monitoring
- Approvals: Ex ia, UL, CSA

Adjustment ranges

-45 °C...+66 °C to +160 °C...+316 °C

Applications

Temperature monitoring and control
in industry, shipbuilding, railcars



Index: A

Technical Data

Housing material:	Die-cast aluminium, anodized
Temperature sensor material:	304 stainless steel (1.4301)
Temperature sensor type:	Capillary, 1.8 m long (6 foot) (optional 3.6 m and 7.5 m) (12 and 25 foot), armoured If not equipped with thermowell the sensor may only be used up to 21 bar max.
Electrical values:	All models are equipped with SPDT contacts
Micro switch type:	H, M, GH, GM, S, RD
Electrical connection:	3/4" NPT female, internal screw terminal, cable gland in PA in PA, for cable size 6...12 mm is included
Protection class:	IP65, NEMA 4 / 13

Set point adjustment:	Turn adjustment knob clockwise to increase the actuation point
Standards:	The equipment is in conformity with the following harmonised European standards: EN 60014 1977 + A1 to A4 and EN 500120 1977 + A1
Intrinsic safety:	The switches are also suitable for intrinsically safe applications. Add "Exi" in case of ordering. The following max. values are valid when using these switches: U _{max} = 28 V I _{max} = 50 mA
Approvals:	Ex ia, UL, CSA
Weight:	1.5 kg approx.

Adjustment ranges

Code adjustment range	Sensor temperature limits (°C)	Adjustment range (°C)	Hysteresis (°C)* for micro switch			
			H, GH	M, GM	S	RD
						2.8...manual
154	-73 ... +93	-45...+66	0.5... 1.1	1.1...2.2	2.2...8.3	
251	-73 ... +149	+10...+121	0.5... 1.1	1.1...2.2	2.2...8.3	
351	-73 ... +205	+66...+177	0.5... 1.1	1.1...2.2	2.2...8.3	
601	-18 ... +343	+149...+227	1.1...2.2	2.2...3.3	3.9... 13.9	
603	-18 ... +343	+160...+316	1.1...2.2	2.2...3.3	3.9... 13.9	

* Dependent on medium

Specifications are subject to changes without notice.

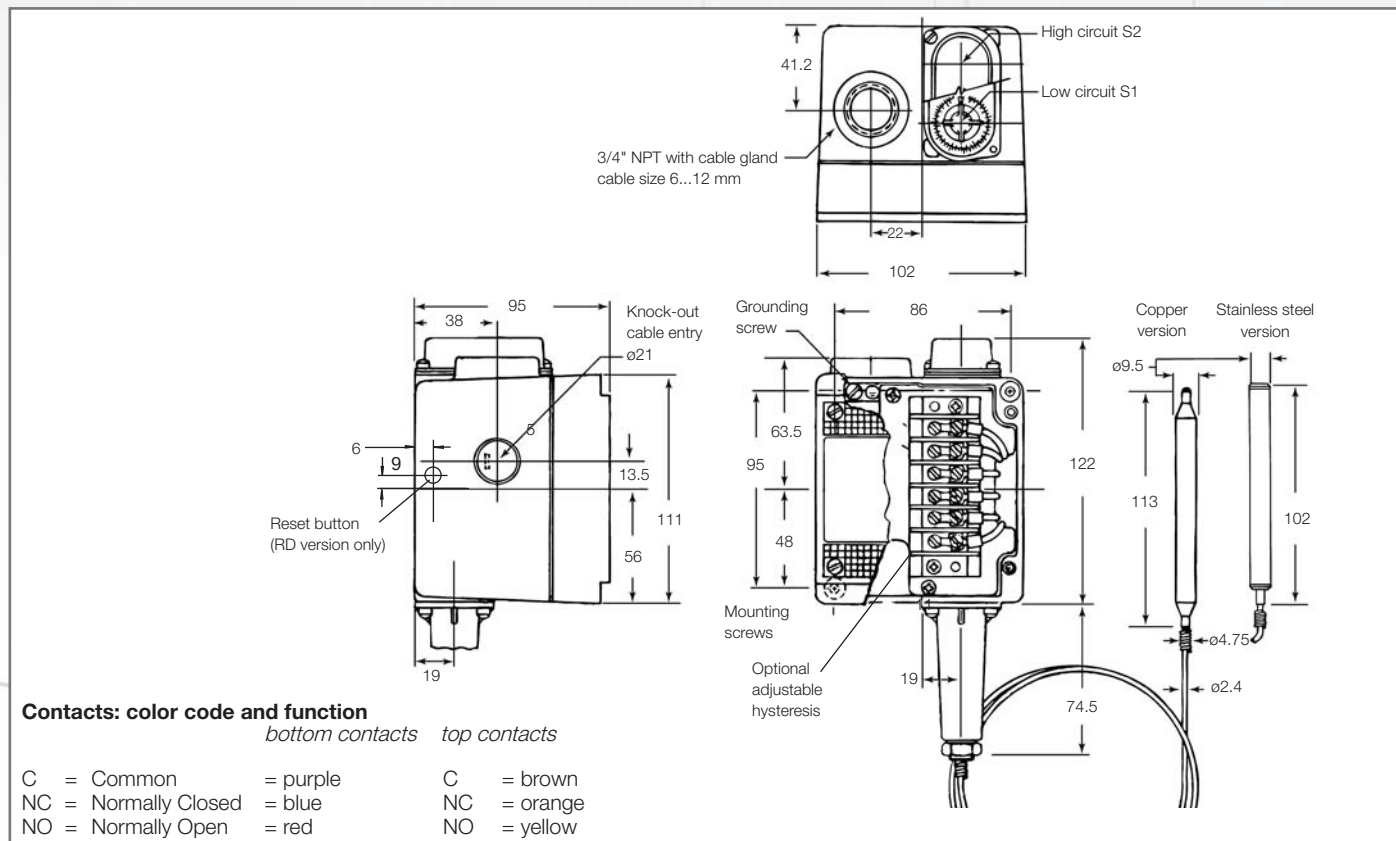
Temperature

Mechanical temperature switches

Type **T2H**

Dimensions (in mm / inch)

Index: A



Contacts: color code and function

bottom contacts top contacts

C	= Common	= purple	C	= brown
NC	= Normally Closed	= blue	NC	= orange
NO	= Normally Open	= red	NO	= yellow

Electrical ratings

Micro switch	Special features	Volt AC 50/60 Hz	Ind. load A	Res. load A	Volt DC	Ind. load A	Res. load A	Comments
H	Micro switch with silver contacts	125 250 480	10 10 3	10 10 3	6 to 28	0.50	0.5	Small hysteresis; High AC / low DC loads
M	Micro switch with silver contacts	125 250 480	10 10 3	10 10 3	12 24 250	5.00 1.00 0.25	15.0 2.0 0.4	Medium hysteresis; High AC and DC loads
GH	Micro switch with gold contacts for low voltage and low current	125	1	1	24	1.00	1.0	Small hysteresis
GM		30	0.1	0.1	30	0.10	0.1	Medium hysteresis
S	Micro switch with silver contacts	480	15	15	125	0.05	0.4	Adjustable hysteresis
RD *	Micro switch with silver contacts	480	10	10	125	0.4	0.75	Manual reset (S2 only)

* Please note: enter "RD" in "Option" and the micro switch for S1 (H, M, GH or GM) in "Micro switch" when placing your order.
Hermetically sealed micro switch (HT2H) on request

Barksdale

Sensor lengths / Options

Sensor lengths		Options	
S-A	1.8 m, armoured, SS (6 foot)	RD	Manual reset (S2 only)
S-12-A	3.6 m, armoured, SS (12 foot)	EXI	for intrinsically safe application, Ex ia
S-25-A	7.5 m, armoured, SS (25 foot)		

Ordering

Example for order number

Type	Micro switch	Code Adjustment range	Sensor length	Options
T2H	M	251	S-A	EXI

Your order number

T2H			
-----	--	--	--

P. Manuel Girona, 2 - 08034 Barcelona
Tlf. 932 80 01 01 - Fax 932 80 64 16

URL: www.lanasarrate.es
e-mail: lanasarrate@lanasarrate.es

Specifications are subject to changes without notice.