

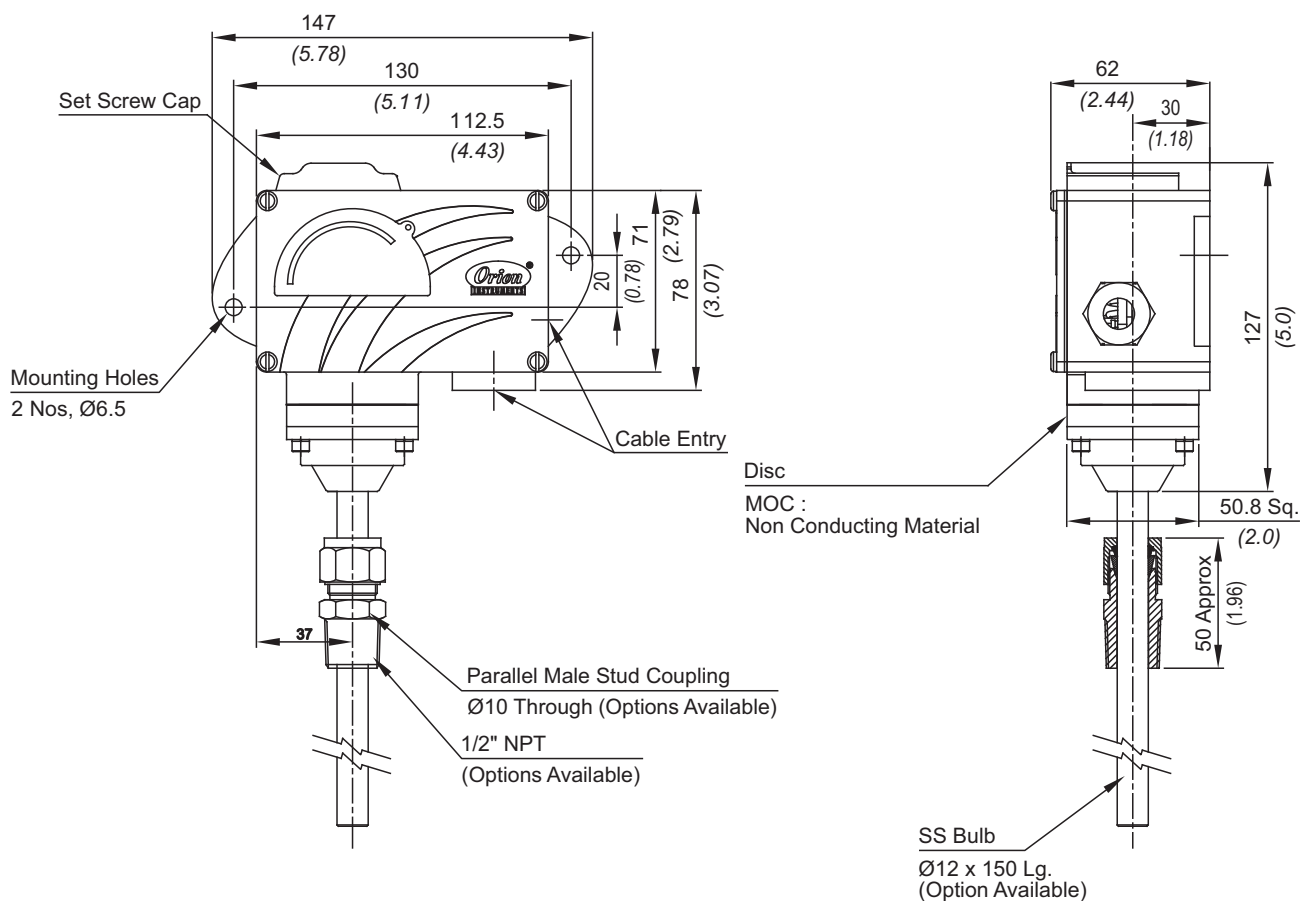
MD/MT DIRECT MOUNTED TEMPERATURE SWITCHES



MD



INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

MD/MT DIRECT MOUNTED TEMPERATURE SWITCHES

RANGE SELECTION TABLE

Range Code	Range °C (°F)	Differential* °C (°F)	Maximum Working Temperature °C (°F)
		Approximate Maximum for "A1" microswitch	
T1H	25 - 90 (77 - 194)	15 (59)	150 (302)
T2H	70 - 150 (158 - 302)	20 (68)	200 (392)
T3H	120 - 215 (248 - 419)	30 (86)	300 (572)

Note:

1. The minimum differential increases with the setpoint. The differential values mentioned in the above table are approximate maximum for FSR. The differential value will vary according to the pressure range selected and microswitch type. For actual values of differential please contact sales office.

2. When using 2SPDT switching arrangement, both microswitches may not actuate and/or deactuate at the same point. A small stage gap, normally upto +/- 5% FSR (depending on range code) may be observed. The On-Off differential (hysteresis) typically tends to be atleast double of those published for 1SPDT pressure switches.

If actuation and/or deactuation at same point is critical part of operation, then it can be achieved by using a separate DPDT relay. This relay will need a separate power supply for it's coil.

HOW TO ORDER FLAMEPROOF TEMPERATURE SWITCHES

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
Non standard allocation	Model	Cable Entry Size	Switch Type	Range Code (values in Deg. Cen.)	Microswitch Type	Temp. Bulb Dia./Size	MOC of the Bulb
☐ A prefix "N" is used in the model code in case of any non standard options / accessories that are provided with the switches. Will be given by manufacturer, only after agreement of supply details with customer. The prefix is subject to change as per specific requirement.	MD = Industrial temperature switch with IP66 rated enclosure as per IS/IEC 60529 MT = Industrial temperature switch with IP66 rated enclosure as per IS/IEC 60529	1 = Al. enclosure ½" NPT threads *2 = Al. enclosure ¾" NPT threads 3 = Al. enclosure M20 X 1.5 threads 7 = SS enclosure, ½" NPT threads *8 = SS enclosure, ¾" NPT threads 9 = SS enclosure, M20 X 1.5 threads	TF1 = Temperature Switch, fixed differential without scale TF2 = Temperature Switch, fixed differential with scale in °C *TA1 = temperature switch, adjustable differential without scale *TA2 = temperature switch, adjustable differential with scale in °C	T1H = 25 - 90 T2H = 70 - 150 T3H = 120 - 215	A1 = General purpose microswitch rated at 15 A; 250 VAC A6 = Elements with adjustable differential A7 = 2SPDT switching elements A8 = General purpose microswitch rated at 5 A, 250 VAC; 5 A, 28 VDC *A9 = General purpose microswitch rated at 15 A; 250 VAC B6 = Hermetically Sealed Gold Plated contact 2SPDT B9 = 2SPDT Switching Elements for adjustable differential rated at 15 A; 250 VAC * Please refer to page nos. 290 & 291 for options and specifications of microswitches Please contact sales office for additional information	D1= Direct mounted temperature switch with 150mm bulb length; 12mm bulb diameter; 3/8" BSPM connection. D2 = Direct mounted temperature switch with 150mm bulb length; 12mm bulb diameter; 3/8" NPTM connection. D3 = Direct mounted temperature switch with 150mm bulb length; 12mm bulb diameter; 1/2" NPTM connection. Please contact sales office for customised dimensions of the bulb and process connections	1 = Brass 2 = SS
Approx. switch weight in Kgs							
Enclosure	MD	MT					
Aluminium	0.780	1.240					
SS	2.310	2.870					
*Not available for MT model For dual cable entry contact Sales Office							

E.g. A Direct Mounted industrial Temperature Switch, with 1/2"NPT cable entry in aluminum housing as 1 SPDT, fixed differential without scale, having 25°C to 90°C temperature range, with 15Amp. microswitch, with SS316 10mm diameter bulb of 100mm length with 1/2" NPT(M), shall be specified by

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☐	MD	1	TF1	T1H	A1	D1	1

Please specify full model number to avoid ambiguity.

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