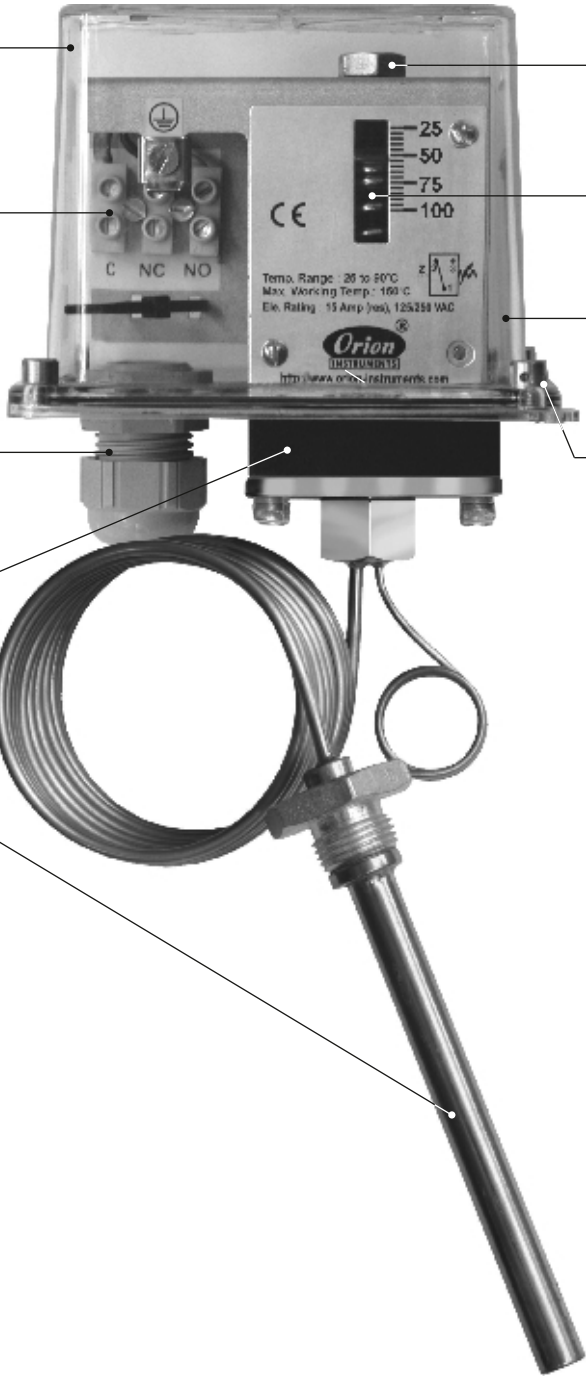
MZ TEMPERATURE SWITCHES



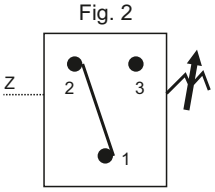
Approximate Weight : 0.700 Kg.

Some Applications :

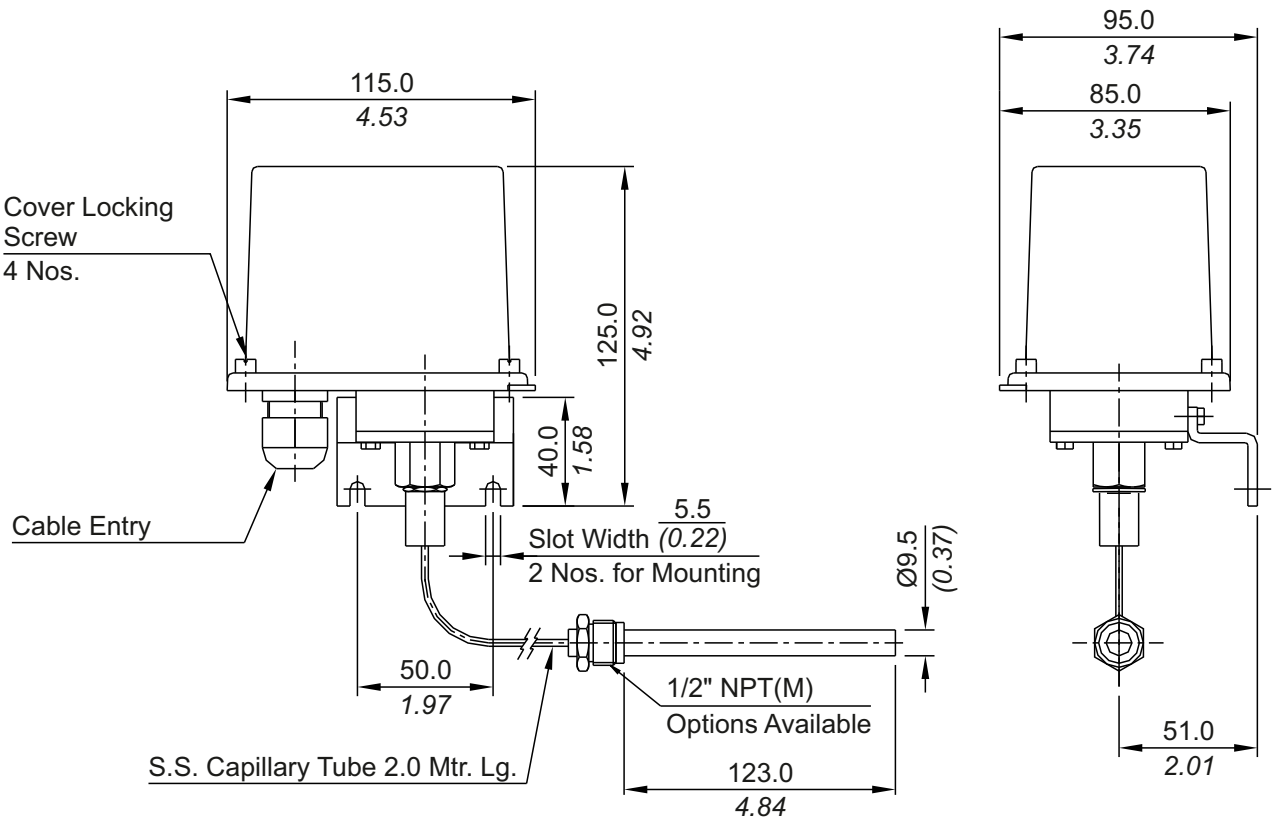
To detect limiting temperature levels in non-hazardous areas.

Electrical Connection :

Fig. 2



INSTALLATION DRAWING



APPROX. DIMENSIONS IN mm / inches

RANGE SELECTION TABLE

Range Code	Range °C *(°F)*	Differential* °C *(°F)*	Maximum Working Temperature °C *(°F)*
		Approximate Maximum for "A8" 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 (hysterisis) 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 PROCESS TEMPERATURE SWITCHES

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
Non standard allocation	Gas Group Classification	Cable Entry Size	Switch Type	Range Code (values in Deg. Cen.)	Microswitch Type	Temp. Bulb Material / Size	Capillary Material / Size
☐ Reserved for Non-standard Options not covered in Catalogue. Will Be given by Manufacturer, Only after Agreement of Supply details With customer.	**MZ** = Process pressure switch with a weatherproof enclosure rated IP66/IP68 as per IS/IEC 60529 Note : Contact sales office for IP 68 enclosure	**1** = Polycarbonate Enclosure ½" NPT threads **2** = Polycarbonate Enclosure ¾" NPT threads **3** = Polycarbonate Enclosure M20 x 1.5 threads **4** = Diecast Al. Enclosure ½" NPT threads **5** = Diecast Al. Enclosure ¾" NPT threads **6** = Diecast 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 Note : For dual cable entries contact sales office	**TF1** = Temperature Switch fixed differential without scale **TF2** = Temperature Switch fixed differential with scale in °C *Available only with option A7 and A9 in Group 6	**T1H** = 25 - 90 **T2H** = 70 - 150 **T3H** = 120 - 215	**A8** = General purpose microswitch **A7** = 2SPDT microswitches **A9** = General purpose microswitch * Please refer to page nos. 290 & 291 for options and specifications of microswitches Please contact sales office for additional information	**B1** = Brass / Dia. 9.5 mm, 123 mm length, with 3/8" BSP (M) thermowell connection **B2** = Brass / Dia. 9.5 mm, 123 mm length, with 3/8" NPT (M) thermowell connection **B3** = Brass / Dia. 9.5 mm, 123 mm length, with 1/2" NPT (M) thermowell connection Please contact sales office for additional information	**2** = SS316 / 2.0 meter

E.g. A Process Temperature switch, with M20x1.5 cable entry as 1 SPDT, fixed differential with scale, having 25°C to 90°C temperature range, with 15 Amp. microswitch, with Brass 9.5 mm diameter bulb, having length 123 mm with 3/8"BSP(M),with 2.0 meter SS316 capillary length shall be specified by

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
☐	MZ	3	TF2	T1H	A8	B1	2

Please specify full model number to avoid ambiguity.

Bulletin No. KA221010