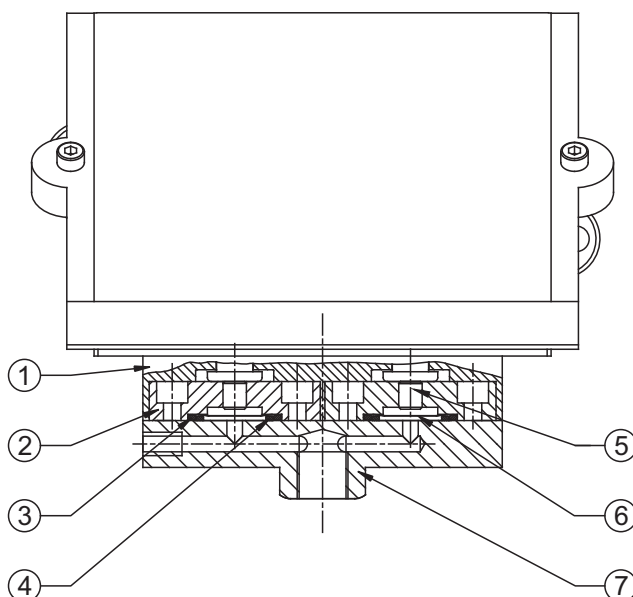




PRESSURE CAPSULE DETAILS



No. Description

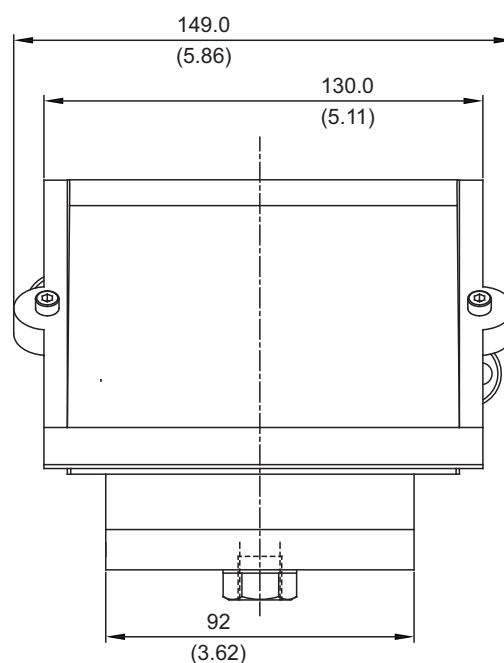
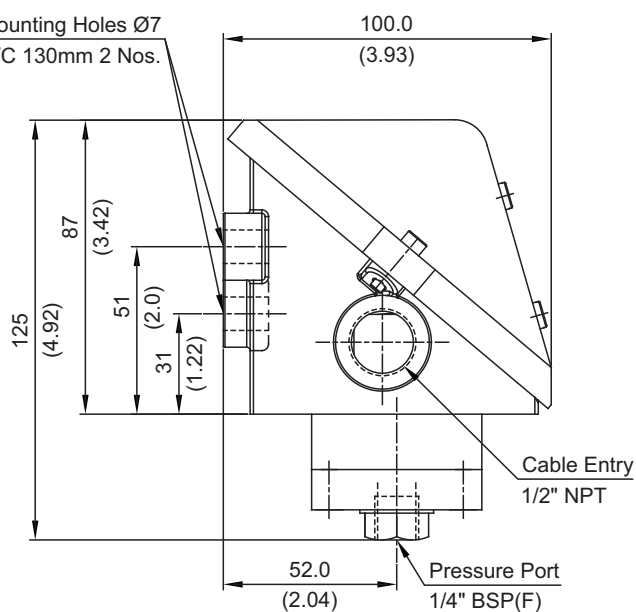
1. Disc Plate (SS)
2. Disc (Al)
3. O-Ring (PTFE®)
4. Backup Ring (SS)
5. Plunger (MS/SS)
6. Diaphragm (SS)
7. Pressure Port (SS)

Note : *wetted parts* are mentioned in italics.

*Pressure ports are brazed with flange

INSTALLATION DRAWING

Mounting Holes Ø7
C/C 130mm 2 Nos.



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

MT DUAL HYDRAULIC PRESSURE RANGES

RANGE SELECTION TABLE

Range Code	Range bar (psi)	Differential* bar (psi)	Maximum Working Pressure bar (psi)
		Approximate Maximum for "A1" microswitch	
H1T	1 - 10 (14.50 - 145.04)	1 (14.50)	150 (2175.57)
H2T	2 - 20 (29.00 - 290.07)	2 (29.00)	200 (2900.76)
H4T	5 - 40 (72.52 - 580.15)	5 (72.52)	200 (2900.76)
H1H	10 - 100 (145.04 - 1450.38)	12 (174.05)	200 (2900.76)
H2H	10 - 200 (145.03 - 2900.76)	24 (348.09)	400 (5801.52)
H4H	40 - 400 (580.15 - 5801.52)	70 (1015.27)	500 (7251.9)

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 INDUSTRIAL DUAL PRESSURE 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 bar)	Microswitch Type	Pressure Port Material / Size	Diaphragm
☐ 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.	MT = Industrial dual hydraulic pressure switch with IP66 rated enclosure as per IS/IEC 60529	1 = Al. enclosure ½" NPT threads 3 = Al. enclosure M20 X 1.5 threads 7 = SS enclosure, ½" NPT threads 9 = SS enclosure, M20 X 1.5 threads	KF2 = Dual pressure switch, fixed differential with scale in bar KF3 = Dual pressure switch, fixed differential with scale in psi *KA2 = Dual pressure switch, adjustable differential with scale in bar *KA3 = Dual pressure switch, adjustable differential with scale in psi	H1T = (1 - 10) H2T = (2 - 20) H4T = (5 - 40) H1H = (10 - 100) H2H = (10 - 200) H4H = (40 - 400)	A1 = General purpose microswitch, rated at 15 A; 250 VAC *A6 = Adjustable deadband *A7 = 2SPDT switching elements *A8 = General purpose microswitch *A9 = General purpose microswitch *B7 = 2SPDT Switching Elements	S1 = SS316 / ¼" BSP(F) S2 = SS316 / ¼" NPT(F)	0 = Neoprene 1 = PTFE 2 = SS 316L 3 = Hastelloy C 4 = Monel
Approx. switch weight in Kgs							
Enclosure	MD	MT					
Aluminium	NA	1.860					
SS	NA	3.450					

eg. Industrial Dual Hydraulic switch with ½" NPT cable entry in aluminium housing as 1SPDT pressure switch, fix differential with scale having 2 bar to 20 bar pressure range, with 5A microswitch, SS316 pressure housing with ¼" BSP port size & teflon diaphragm shall be specified by

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
☐	MT	1	KF2	H2T	A8	S1	1

Please specify full model number to avoid ambiguity.