



PRESSURE SWITCHES
PRESSURE DIFFERENCE SWITCHES
VACUUM SWITCHES
From 1.5 mbar to 600 bar

MT Dual Pressure Switches

CATALOGUE

Certificate No.: FM72815

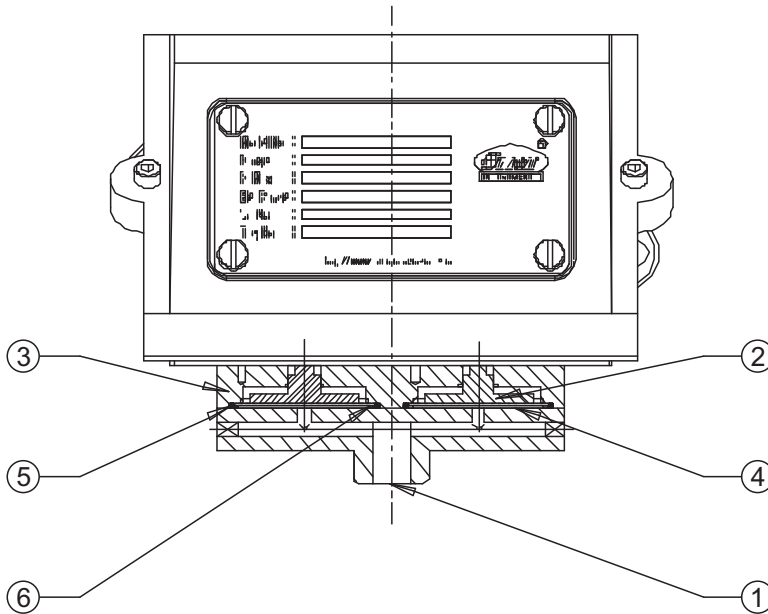


Kaustubha Udyog AN ISO9001:2008 COMPANY

S. No. 36/1/1, Sinhgad Road, Vadgaon Khurd,
Near Lokmat Press, Pune 411 041 INDIA
Tel. : +91-(0) 20-24393577 / 24393877
Telefax: +91-(0) 20-24393577 / 25460486
Email : pressure@vsnl.com

Website : <http://www.orion-instruments.com>

PRESSURE CAPSULE DETAILS



No. Description

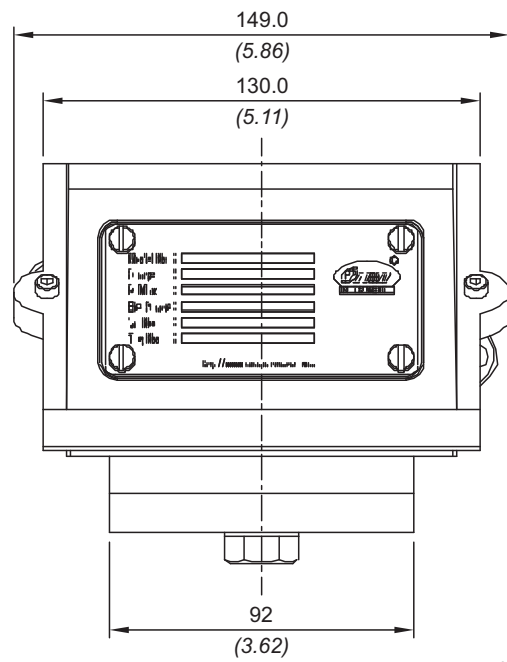
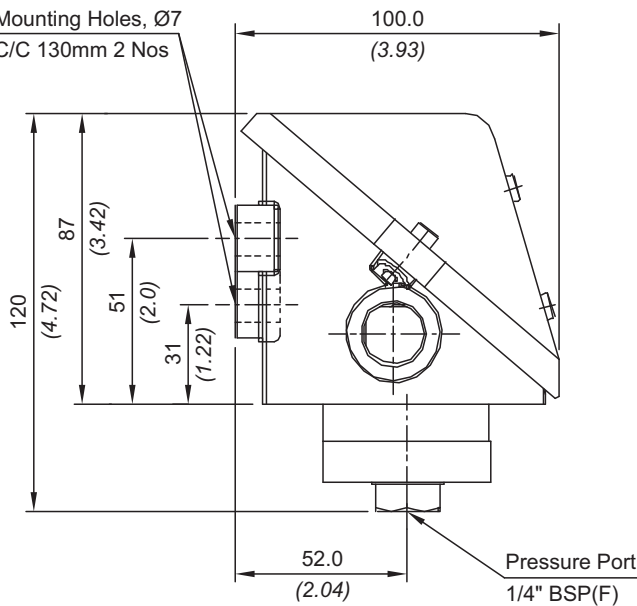
1. Pressure Port
2. Plunger
3. Disc Plate
4. Diaphragm
5. 'O' Ring
6. Backup Ring

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 $\frac{\text{mm}}{\text{inches}}$

RANGE SELECTION TABLE

Range Code	Range bar (psi)	†Differential bar (psi)	Maximum Working Pressure bar (psi)
		Approximate Maximum for "A8" microswitch	
LP	0.067 - 0.213 (0.97 - 3.09)	0.05 (0.72)	5 (72.52)
LP5	0.1 - 0.5 (1.45 - 7.25)	0.10 (1.45)	5 (72.52)
H01	0.1 - 1.0 (1.45 - 14.50)	0.10 (1.45)	12 (174.05)
H02	0.1 - 1.5 (1.45 - 21.76)	0.20 (2.90)	12 (174.05)
H03	0.2 - 2.6 (2.90 - 37.71)	0.20 (2.90)	12 (174.05)
H04	0.2 - 3.6 (2.90 - 52.21)	0.20 (2.90)	12 (174.05)
H07	0.5 - 7.0 (7.25 - 101.50)	0.40 (5.80)	12 (174.05)
H10	0.5 - 10.0 (7.25 - 145.38)	0.60 (8.70)	25 (362.6)
H15	1.0 - 15.0 (14.5 - 217.56)	0.60 (8.70)	25 (362.6)
H30	5.0 - 25.0 (72.52 - 362.6)	0.80 (11.60)	35 (507.63)

*Minimum differential increases with setpoint, values with neoprene diaphragm (Graphs available on request)

*Differentials of microswitches A1 through A7 and A9 will vary.

Please indicate specifically the differential value in enquiry/order, when it is critical in your application.

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
<input type="checkbox"/> Reserved for non-standard options not covered in catalogue. Will be given by manufacturer, only after agreement of supply details with customer.	MT = Industrial dual pressure switch with diecast Aluminium enclosure to IP66 as per IS/IEC 60529	1 = Al. head ½" NPT threads 3 = Al. head 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	LP = (0.067 - 0.213) LP5 = (0.1 - 0.5) H01 = (0.1 - 1.0) H02 = (0.1 - 1.5) H03 = (0.2 - 2.6) H04 = (0.2 - 3.6) H07 = (0.5 - 7.0) H10 = (0.5 - 10.0) H15 = (1.0 - 15.0) H30 = (5.0 - 25.0)	A1 = General purpose microswitch rated at 15 A; 250 VAC A2 = Hermetically sealed for corrosive environments A3 = gold plated contacts for low voltage applications A4 = DPDT configuration A5 = for high DC ratings A7 = 2SPDT switching elements A8 = General purpose microswitch rated at 5 A; 250 VAC A9 = General purpose microswitch rated at 5 A; 250 VAC	S1 = SS316 / ¼" BSP(F) S2 = SS316 / ¼" NPT(F)	0 = Neoprene 1 = Teflon 2 = SS 316L 3 = Hastelloy C 4 = Monel

eg. Industrial Dual switch with ½" NPT cable entry in aluminium housing as 1SPDT pressure switch, fix differential with scale having 0.2 bar to 2.6 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
<input type="checkbox"/>	MT	1	KF2	H03	A8	S1	1

Please specify full model number to avoid ambiguity.