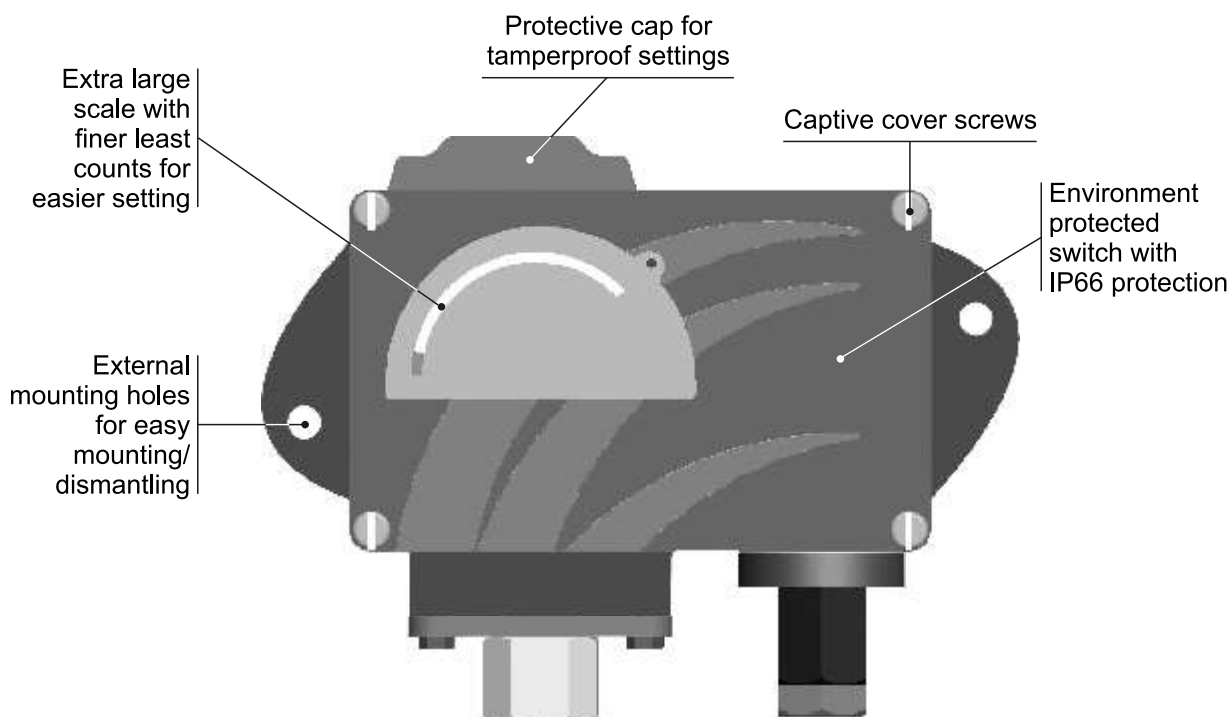
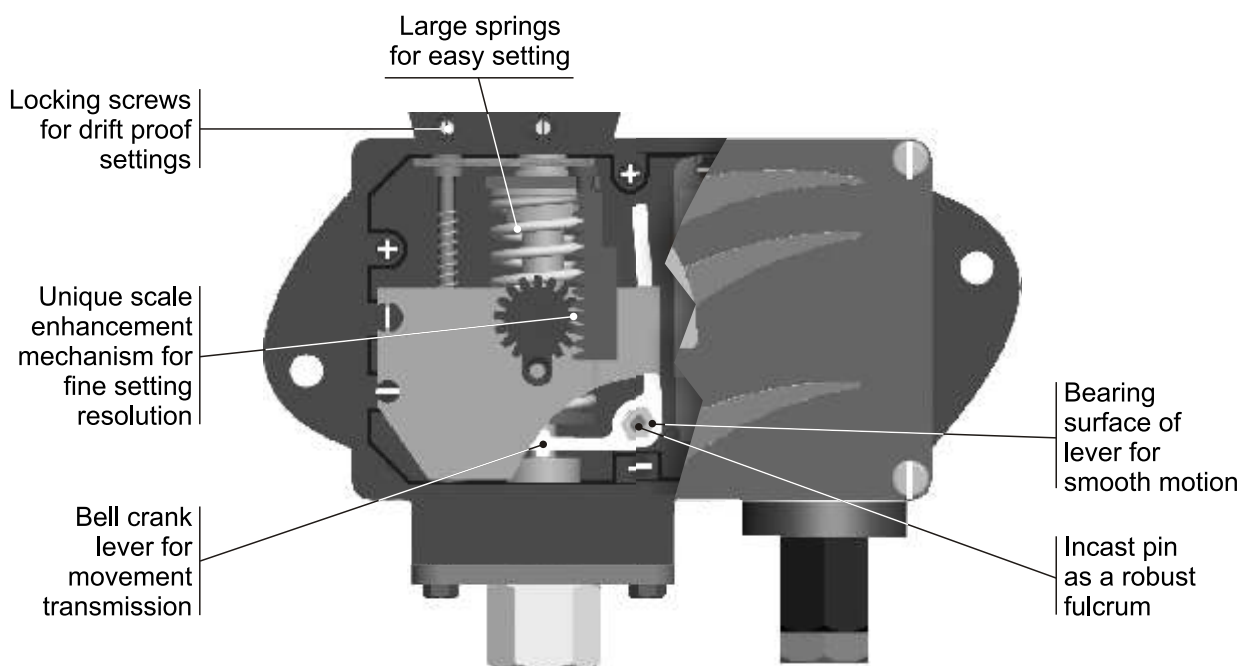
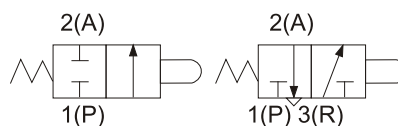


MD AIR RELAY SWITCHES



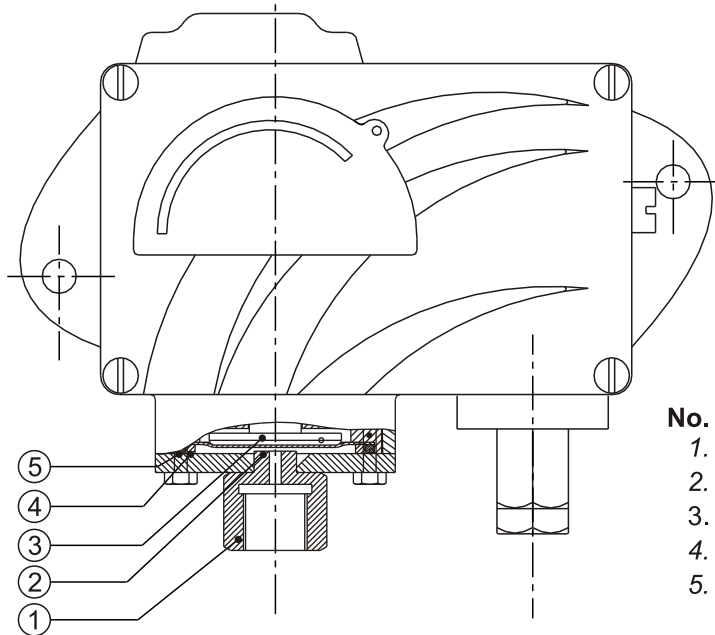
Approximate Weight :
Varies with capsule size. Please consult sales office.

Valve Schematic :





PRESSURE CAPSULE DETAILS

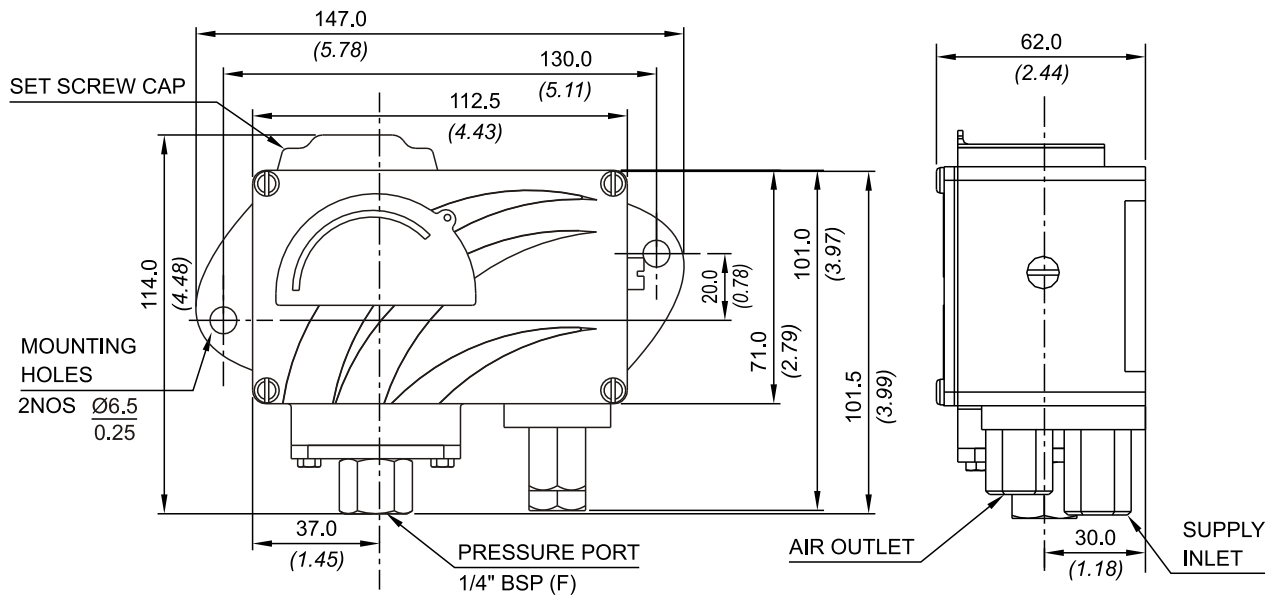


No. Description

1. Pressure Housing (SS316)
2. Diaphragm (Teflon®)
3. Plunger
4. Steel Ring (SS316)
5. O-Ring (Teflon®)

Note : wetted parts are mentioned in *italics*.

INSTALLATION DRAWING



MD AIR RELAY SWITCHES

RANGE SELECTION TABLE

Range Code	Range bar (psi) <i>(0.067 - 0.213 (0.97 - 3.09))</i>	†Differential bar (psi)	Maximum Working Pressure bar (psi)
		Approximate Maximum for "A1" microswitch	
LP	0.1 - 0.5 <i>(1.45 - 7.25)</i>	0.02 <i>(0.29)</i>	5 <i>(71.43)</i>
LP5	0.1 - 1.0 <i>(1.45 - 14.50)</i>	0.08 <i>(1.16)</i>	5 <i>(71.43)</i>
H01	0.1 - 1.5 <i>(1.45 - 21.76)</i>	0.10 <i>(1.43)</i>	12 <i>(171.43)</i>
H02	0.2 - 2.6 <i>(2.90 - 37.71)</i>	0.12 <i>(1.74)</i>	12 <i>(171.43)</i>
H03	0.2 - 3.6 <i>(2.90 - 52.21)</i>	0.17 <i>(2.46)</i>	12 <i>(171.43)</i>
H04	0.5 - 7.0 <i>(7.25 - 101.50)</i>	0.20 <i>(2.90)</i>	12 <i>(171.43)</i>
H07	0.5 - 10.0 <i>(7.14 - 142.86)</i>	0.40 <i>(5.72)</i>	12 <i>(171.43)</i>
H10	1.0 - 15.0 <i>(14.29 - 214.29)</i>	0.40 <i>(5.72)</i>	25 <i>(357.14)</i>
H15	5.0 - 25.0 <i>(71.43 - 357.14)</i>	0.80 <i>(11.43)</i>	25 <i>(357.14)</i>
H30		0.80 <i>(11.43)</i>	35 <i>(500.00)</i>

Pneumatic valve specifications



NO valve (P2) = air flows when process pressure < set point
 NC valve (P1) = air flows when process pressure > set point

Supply pressure of air/inert gas = 7 bar max

*Other ranges from 1.5 mbar upto 400 bar too available. Also various pressure capsules for vacuum, pressure difference in a variety of wetted parts too can be supplied. Please contact sales office.

HOW TO ORDER INDUSTRIAL AIR RELAY 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 Size	Diaphragm
☐ Reserved for non-standard options not covered in catalogue. Will be given by manufacturer, only after agreement of supply details with customer.	MD = Industrial pressure switch with diecast Aluminium enclosure to IP66 as per IS2147	7 = 1/8" BSPF air inlet & outlet pressure supply = 7 bar max	PF1 = pressure switch, fixed differential without scale PF2 = pressure switch, fixed differential with scale PF3 = scale in psi *PA1 = pressure switch, adjustable differential without scale *PA2 = pressure switch, adjustable differential with scale *PA3 = 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)	P1 = NC valve P2 = NO valve	S1 = SS316 pr. Housing with 1/4" BSPF pressure port S2 = SS316 pressure housing with 1/4" NPT(F) pressure port.	0 = Neoprene 1 = Teflon 2 = SS 316L

* Please refer note under Range Selection Table

eg. A high range weatherproof switch with 1/8" BSPF air inlet & outlet parts in aluminium housing as a pressure switch, fixed differential without scale, having 0.1 bar to 1 bar pressure range, NC valve, SS316 pressure housing with 1/4" BSP port size & neoprene diaphragm shall be specified by

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
☐	MD	7	PF1	H01	P1	S1	0

Please specify full model number to avoid ambiguity.