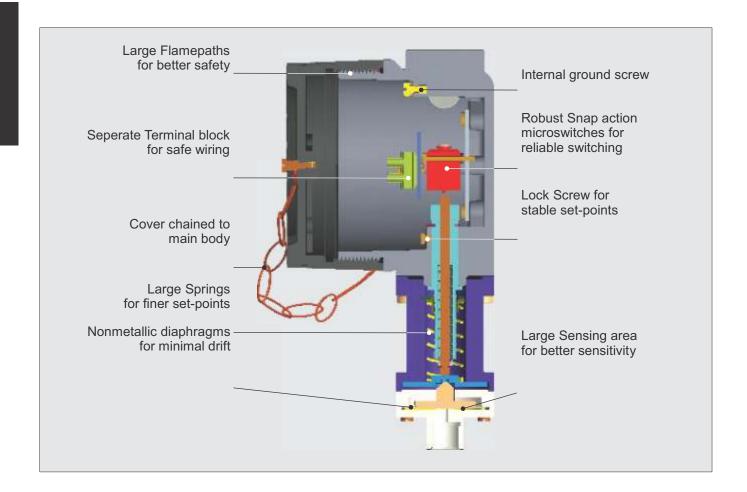
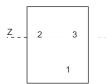
HIGH PRESSURE RANGES



Approximate Weight:

Pressure switches with Aluminium enclosure : 1.87 Kg.
Pressure switches with Grey CI enclosure : 4.27 Kg.
Pressure switches with SS enclosure : 4.42 Kg.

Electrical Connection:



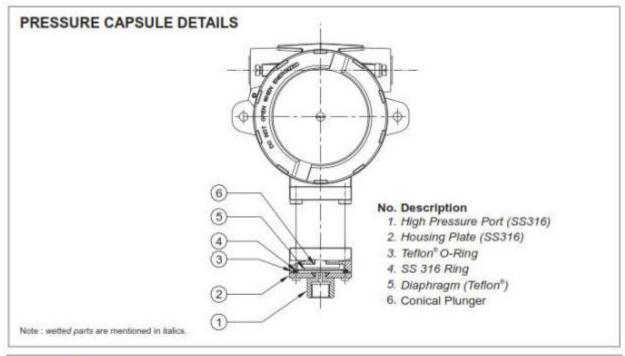
Some Applications:

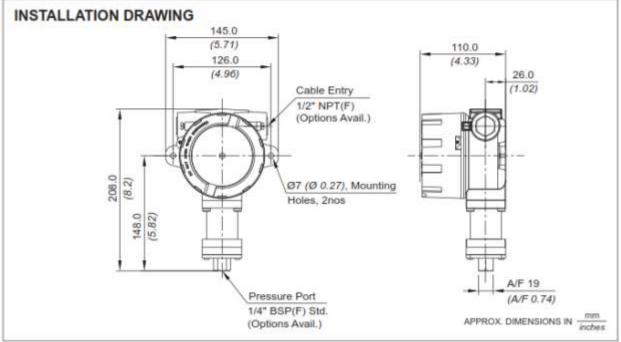
Used in hazardous areas for applications like fire fighting systems, LPG bottling plants, etc. For any type of corrosive and non-corrosive gases and fluids.

FC HIGH PRESSURE RANGES









HIGH PRESSURE RANGES

RANGE SELECTION TABLE

Range Code	Range bar (psi)	Differential* bar (psi)	Maximum Working Pressure bar <i>(psi)</i>	
		Approximate Maximum for "A1" microswitch		
LP	0.067 - 0.213	0.02	5	
	(0.97 - 3.09)	(0.29)	(72.52)	
LP5	0.1 - 0.5	0.08	5	
	(1.45 - 7.25)	(1.16)	(72.52)	
H01	0.1 - 1.0	0.10	12	
	(1.45 - 14.50)	<i>(1.45)</i>	(174.05)	
H02	0.1 - 1.5	0.12	12	
	(1.45 - 21.76)	(1.74)	(174.05)	
H03	0.2 - 2.6	0.15	12	
	(2.90 - 37.71)	(2.17)	(174.05)	
H04	0.2 - 3.6	0.20	12	
	(2.90 - 52.21)	(2.90)	(174.05)	
H07	0.5 - 7.0	0.20	12	
	(7.25 - 101.50)	(2.90)	(174.05)	
H10	0.5 - 10.0	0.40	25	
	(7.25 - 145.037)	(5.80)	(362.6)	
H15	1.0 - 15.0	0.50	25	
	(14.5 - 217.56)	(7.25)	(362.6)	
H30	5.0 - 25.0	1.0	35	
	(72.52 - 362.6)	(14.5)	(507.63)	

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

^{*} Differentials of miroswitches A2 through A9 will vary. Differentials for A7 are typically twice that for A1 microswitch. Please indicate specifically the differential value in enquiry/order, when it is critical in your application.

HOW TO ORDER FLAMEPROOF HIGH RANGE PRESSURE 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 bar)	Microswitch Type	Pressure Port Material / Size	Diaphragm
Reserved for non-standard options not covered in catalogue. Will be given by manufacturer, only after agreement of supply details with customer.	FC = Flameproof pressure switch, ATEx & IECEx approved, with Aluminium head as per IS/IEC 60079-1 for Gas Gr. IIC	1 = Al. head ½" NPT threads 2 = Al. head ¾" NPT threads 3 = Al. head M20 x 1.5 threads 4 = Grey Cl head ½" NPT threads 5 = Grey Cl head ¾" NPT threads 6 = Grey Cl head M20 x 1.5 threads 7 = SS head ½" NPT threads 8 = SS head ¾" NPT threads 9 = SS head M20 x 1.5 threads	P1 = pressure switch, fixed differential without scale P2 = pressure switch, fixed differential with scale in bar P3 = 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 *A6 = elements with adjustable deadband *A7 = 2SPDT switching elements *A9 = General purpose microswitch rated at 5 A; 250 VAC Please refer page no. 230 for more microswitch options * Please refer note under Range Selection Table	S1 = SS316 / 1/4" BSP(F) S2 = SS316 / 1/4" NPT(F) H1 = Hastelloy C / 1/4" BSP(F) H2 = Hastelloy C / 1/4" NPT(F) N1 = Monel / 1/4" BSP(F) N2 = Monel / 1/4" NPT(F) Please refer page no. 226 & 227 for more pressure port options	1 =

eg. A flameproof switch for gas group IIC, with ½" NPT cable entry in aluminium housing as 1SPDT pressure switch, having 0.1 bar to 1 bar pressure range, with 15 Amp. Micro switch, 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
	FC	1	P1	H01	A1	S1	0

Please specify full model number to avoid ambiguity. If only the first two groups are specified while ordering, un-calibrated switches with standard wetted parts and enclosures will be supplied.

Continuous efforts for product development may necessitate changes in these details without notice



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