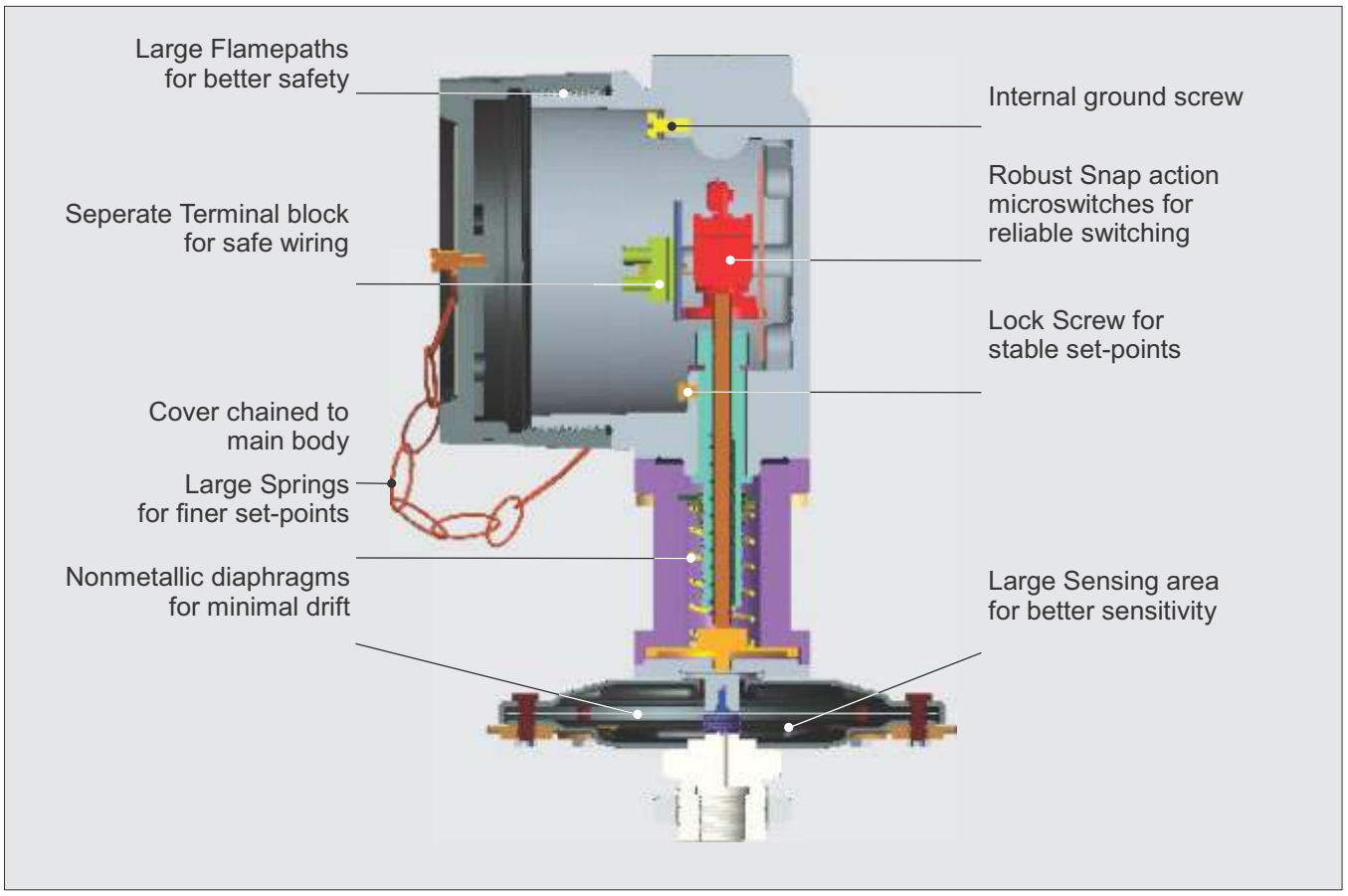
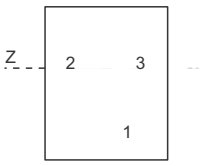
FC LOW PRESSURE RANGES



Approximate Weight :

Pressure switches with Aluminium enclosure : 2.2 Kg.
Pressure switches with Grey CI enclosure : 4.6 Kg.
Pressure switches with SS enclosure : 4.7 Kg.



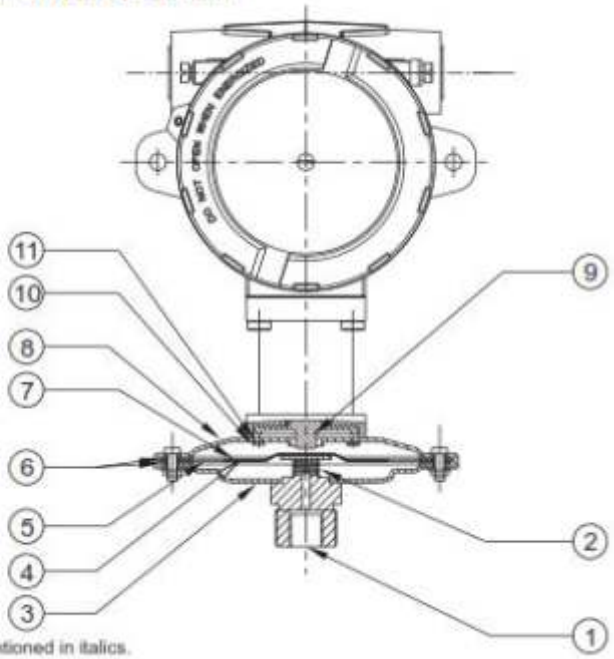
Electrical Connection :

Some Applications :

For loading & unloading of diesel tanks, clean rooms, air duct systems, ventilation systems, etc.

FC LOW PRESSURE RANGES

PRESSURE CAPSULE DETAILS



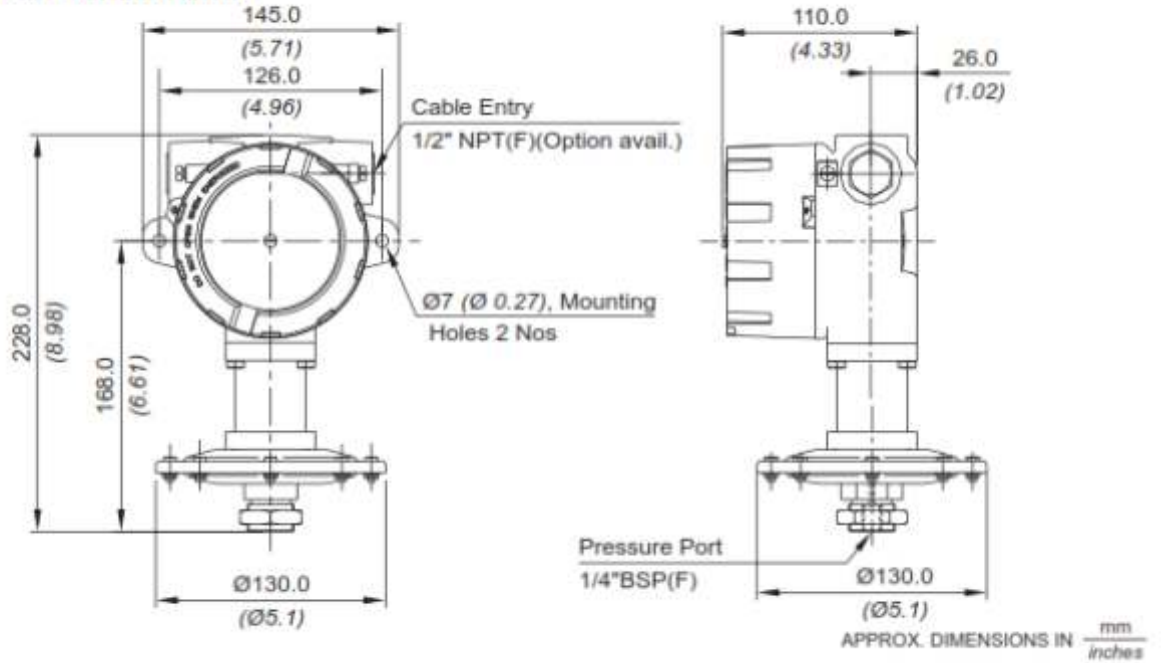
No. Description

1. *Pressure port (S.S.)**
2. *Support spring (S.S.)*
3. *Bottom flange (S.S.)*
4. *Support plate (Aluminium)*
5. *Diaphragm (Neoprene)*
6. *Gasket (Nitrile)*
7. Top plate (Aluminium)
8. Top flange (S.S.)
9. Plunger (Aluminium)
10. Top flange screw (S.S.)
11. Sealing 'O' ring (Nitrile)

*Pressure port is brazed with flange

Note : *wetted parts* are mentioned in italics.

INSTALLATION DRAWING



APPROX. DIMENSIONS IN mm / *inches*

FC LOW PRESSURE RANGES

ANGE SELECTION TABLE

Range Code	Range mbar *("wc)*	Differential* mbar*("wc)*	Maximum Working Pressure ba*(psi)*
		Approximate Maximum for "A1" microswitch	
L02	1.5 - 15 *(0.602- 6.021)*	3 *(1.204)*	2 *(29.00)*
L03	5 - 25 *(2.007- 10.037)*	5 *(2.007)*	2 *(29.00)*
L05	10 - 50 *(4.015- 20.073)*	5 *(2.007)*	2 *(29.00)*
L10	10 - 100 *(4.015- 40.150)*	5 *(2.007)*	2 *(29.00)*
L15	10 - 150 *(4.015- 60.22)*	5 *(2.007)*	2 *(29.00)*
L25	20 - 250 *(8.029- 100.36)*	10 *(4.015)*	2 *(29.00)*
L35	50 - 350 *(20.073- 140.52)*	25 *(10.04)*	2 *(29.00)*

*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 LOW 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 mbar)	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 CI head ½" NPT threads **5** = Grey CI head ¾" NPT threads **6** = Grey CI 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	**P 1** = pressure switch, fixed differential without scale **P2** = pressure switch, fixed differential with scale in mbar **P3** = pressure switch, fixed differential with scale in "wc	**L02** = (1.5 - 15) **L03** = (5 - 25) **L05** = (10 - 50) **L10** = (10 - 100) **L15** = (10 - 150) **L25** = (20 - 250) **L35** = (50 - 350)	**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 * Some microswitches may not be available for particular ranges.Please check with sales office. Please refer page no. 230 for more microswitch options	**S1** = SS316 / ¼" BSP(F) **S2** = SS316 / ¼" NPT(F) Please refer page no. 226 & 227 for more pressure port options	**0** = Neoprene **1** = Teflon **2** = SS316L

eg.A flameproof switch for gas group IIC, with ½" NPT cable entry in aluminium housing as 1SPDT pressure switch,having 5 mbar to 25 mbar pressure range,with 15Amp.Micro-switch, SS316 pressure housing with ¼" 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	L03	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