

FC Series High Pressure Range **Diaphragm Operated Pressure Switch**

- Ranges available up to 25 bar (400 psi).
- Maximum working pressures up to 35 bar (500 psi).
- Black Epoxy powder coated die cast aluminium and all stainless steel enclosures.
- Flameproof EExd IIC T6 – ATEX & IECEX.
- Field set point adjustment against a reference scale - optional.
- SPDT or DPDT switching and optional gold alloy contacts.
- Optional wetted materials include – Monel, Titanium, Tantalum & Hastelloy C
- Terminal block for easy field wiring.
- Hermetically sealed microswitch options.
- 316 stainless steel wetted parts.
- NACE MR-01-75 compatibility – optional.
- Quality Management System – ISO 9001:2008 thru BSI Management Systems.

Orion Pressure Switches are suitable for a wide range of applications in many Industry sectors including:

- Oil & Gas • Chemical • Petrochemical • Refining • Power • OEM

Technical Details:

Description

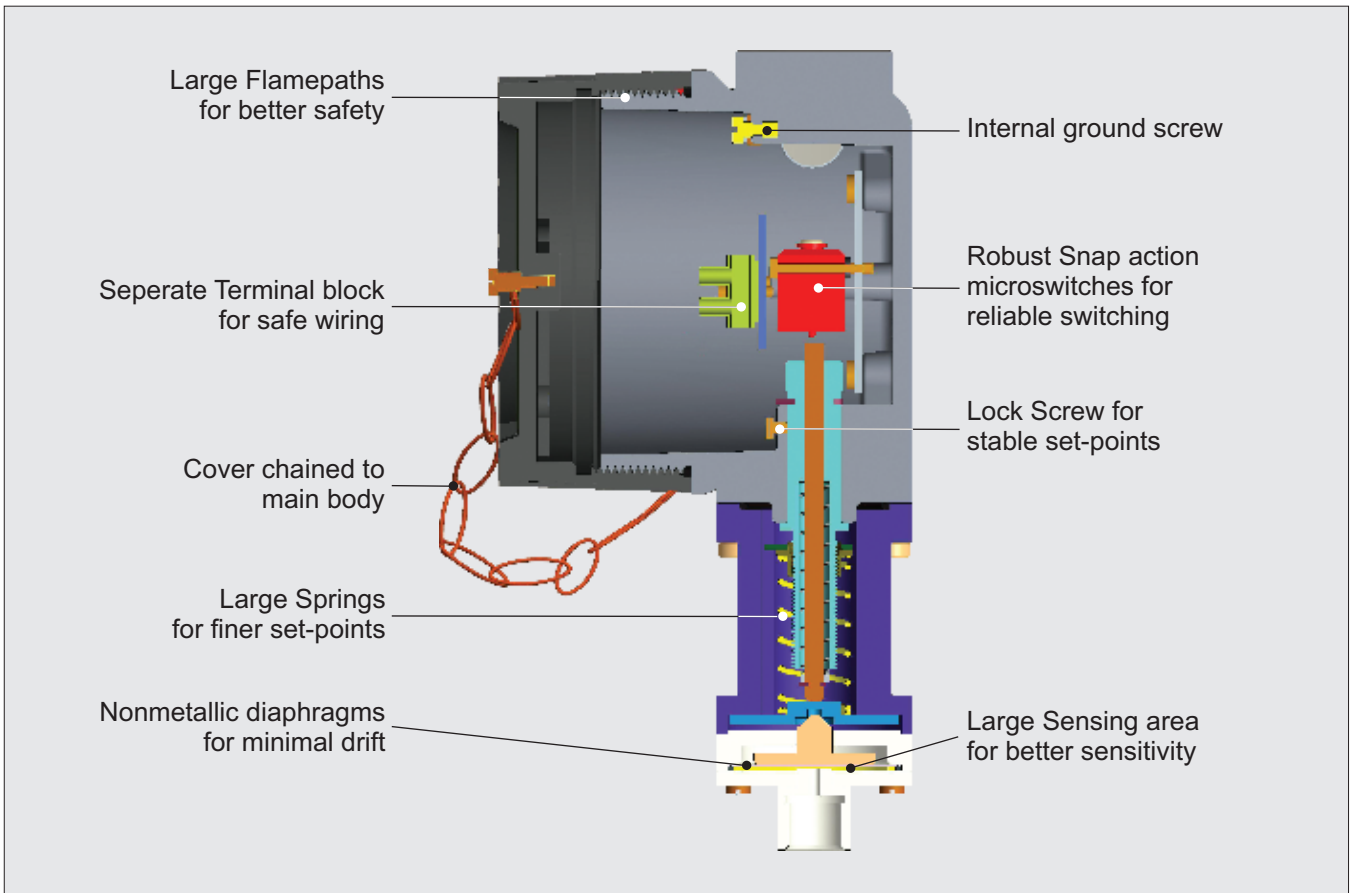
Code

Description		Code	
Enclosures			
Hazardous Area enclosure – Current marking: Ex d IIC Gb Ex tb IIIC Db T85°C (-20°C < Ta<+60°C) IP66		ATEx	FC
		IECEX	FC
Cable Entry			
		½" NPTF	1
		¾" NPTF	2
		M20 x 1.5	3
Scale			
		No scale	P1
		Scale in Bar	P2
		Scale in PSI	P3
Ranges		Bar	Max. Bar
		0.067 - 0.213	5
		0.1 -0.5	5
		0.1 – 1.0	12
		0.1 – 1.5	12
		0.2 – 2.6	12
		0.2 – 3.6	12
		0.5 – 7.0	12
		0.5 – 10.0	25
		1.0 – 15.0	25
	5.0 – 25.0	35	
Microswitch Type			
General Purpose 15A, 250VAC			A1
Hermetically Sealed 4 A, 115 VAC / 28 VDC			A2
Gold Plated contacts for low voltage and I.S. applications			A3
DPDT configuration *2SPDT for SS Diaphragm			A4
High DC ratings *2SPDT for range code LP, LP5			A5
Adjustable deadband			A6
Pressure Housing material & Process connection size			
		316 ss	¼" BSPF
		316 ss	¼" NPTF
Diaphragm material			
		Neoprene	0
		Teflon	1
		316L ss	2

Example: A Flameproof switch for Gas Group IIC with ½" NPT cable entry in Aluminium housing, with one SPDT general purpose microswitch rated at 15A, 316 st.st. Pressure housing with ¼" BSP port size & Neoprene diaphragm would have the model code: FC 1 P1 H01 A1 S1 0

How can we help you?

Orion's range of reliable Pressure Measurement Instruments can be customised to meet individual requirements. For technical advice or to discuss your application, please contact us on +44 (0) 1892 664499



INSTALLATION DRAWING

