



FC Series Low Range Pressure Difference Switch

- DP Ranges available up to 20 – 250 mbar (7 – 98 in. wg.).
- Maximum working pressures up to 2 bar (29 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.
- Terminal block for easy field wiring.
- Hermetically sealed microswitch options.
- 316 stainless steel wetted parts.
- 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	
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	D1
		Scale in Bar	D2
		Scale in PSI	D3
Ranges	mbar	Max. Bar	
	1.5 – 15	2	L02
	5 – 25	2	L03
	10 – 50	2	L05
	10 – 100	2	L10
	10 – 150	2	L15
	20 – 250	2	L25
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 *2 x SPDT for range code L02, L03			A4
High DC ratings *not offered with range code L02, L03			A5
Adjustable deadband			A6
Pressure Housing material & Process connection size			
	316 ss	¼" BSPF	S1
	316 ss	¼" NPTF	S2
Diaphragm material			
		Neoprene	0
		Teflon	1

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 D1 L02 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

