

CF ULTRA LOW RANGE PRESSURE DIFFERENCE SWITCHES

Ultra Low Range Pressure Difference Switches with User Adjustable Knob

Salient Features

Easy to See, Easy to Use!

Set Point easily user adjustable with visible scale in Pascal. (no need of pressure gauge).

Differential easily adjustable with just a screwdriver

Light Weight!

150 gms

Flexible!

Direction of PG 11 cable entry can be rotated in steps of 120°

Long Lasting!

10⁶ switching operations

More Options!

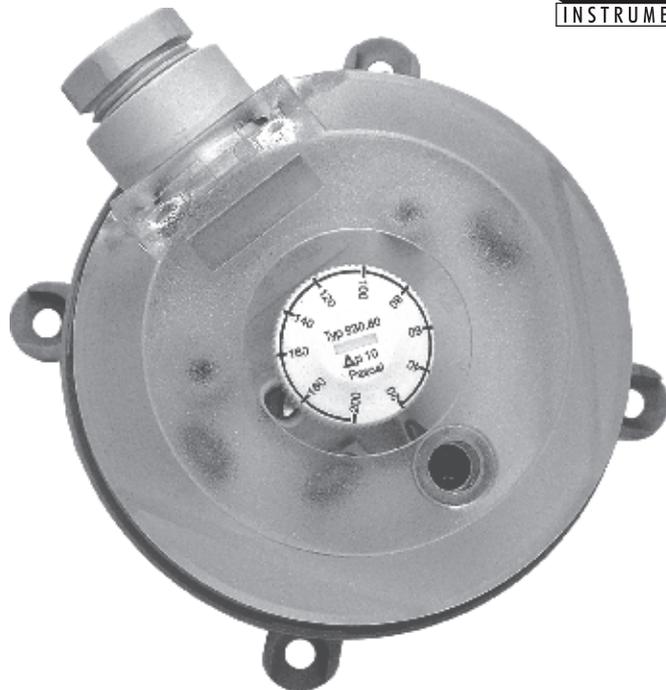
Available in a wide range

Trusted all over!

Tested and proven

Technical Specifications

- Media - Air, non-flammable gases and non-aggressiv gases.
- Housing Material - Body of PA 6.6 and Cover of PS
- Protection category - IP54 with cover.
- Maximum working pressure - 10 Kpa / 1019.74 mm wg.
- Electrical Rating - Maximum 1.0A (.4 A) / 250 VAC.
- Electrical Connection - AMP flat plug 6.3 mm x 0.8 mm in accordance with DIN 462244.
- Cable Entry - PG11
- Mounting Lugs - integrated in bottom Housing.
- High Pressure and Low Pressure port of Outer Diameter 6 mm.



Range Selection Table

Range Code (Orion)	Adjustment range for upper switching pressure Pa (mm wg)	Switching differential set to Pa (mm wg)
CF80	20 ~ 200 (2.039 ~ 20.395)	10 (1.020)
CF81	40 ~ 100 (4.079 ~ 10.197)	20 (2.039)
CF82	40 ~ 200 (4.0479 ~ 20.395)	20 (2.039)
CF83	50 ~ 500 (5.099 ~ 50.987)	20 (2.039)
CF85	200 ~ 1000 (20.395 ~ 101.974)	100 (10.197)
CF86	500 ~ 2500 (50.987 ~ 254.935)	150 (15.296)
CF87	1000 ~ 4000 (101.974 ~ 407.896)	250 (25.494)

How to order CF series Low Range Pressure Difference Switches

Please specify the Range Code eg. CF82 or CF85

INSTALLATION AND OPERATING INSTRUCTIONS

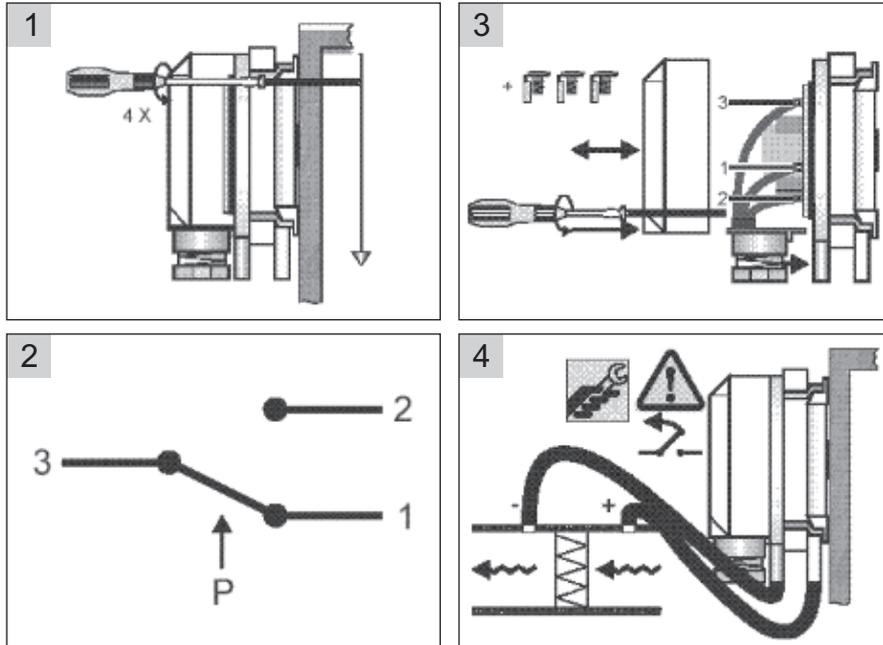
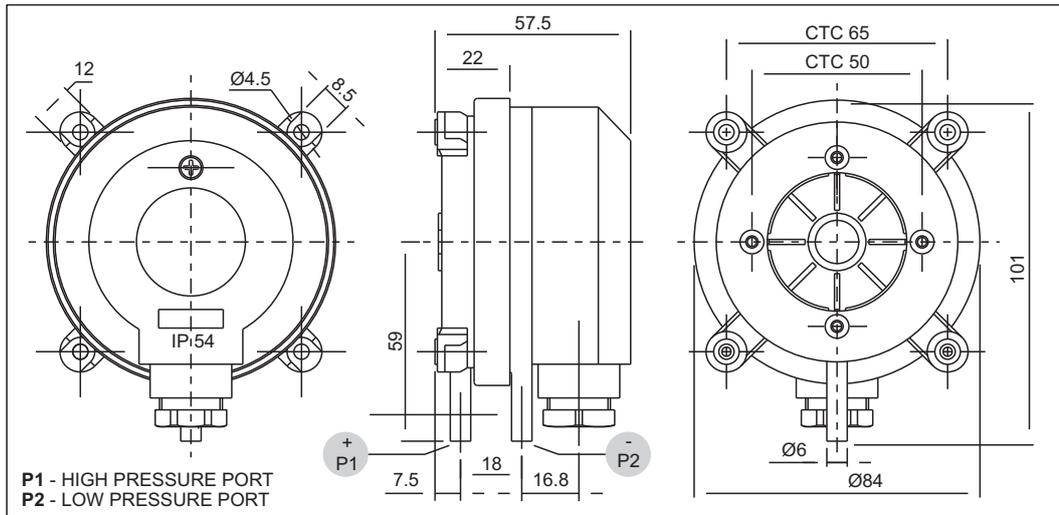
Principle of Operation

When the effective force generated by the pressure difference in the lower and upper chamber of the pressure capsule exceeds/falls beyond the balancing spring forces, an electrical element is actuated.

Mounting

The detail mounting dimensions are shown in Fig. 1

Fig. 1



P1 = higher pressure

P2 = lower pressure

*Use two screws only, for mounting

**Remove transport protection from P2

Note : Do not install upside down with trip pressure of less than 50 Pa.