

CF

ULTRA LOW RANGE PRESSURE DIFFERENCE SWITCHES



PRESSURE SWITCHES
PRESSURE DIFFERENCE SWITCHES
VACUUM SWITCHES

International Standard 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

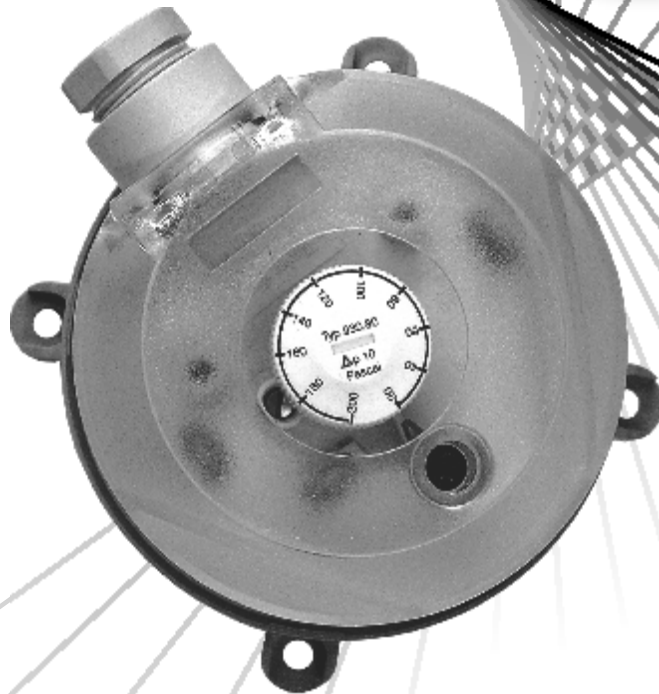
Trusted all over!

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.

The 'Fit it, Set it, Forget it'[®]
Pressure Difference Switch
only from



PRESSURE DIFFERENCE SWITCH

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INSTALLATION AND OPERATING INSTRUCTIONS

Operating Ranges

Type Range (Orion)	Adjustment range for upper switching pressure Pa (mm wg)	Switching differential set to Pa (mm wg)
CF 80	20 ~ 200 (2.039 ~ 20.395)	10 (1.020)
CF 81	40 ~ 100 (4.079 ~ 10.197)	20 (2.039)
CF 82	40 ~ 200 (4.0479 ~ 20.395)	20 (2.039)
CF 83	50 ~ 500 (5.099 ~ 50.987)	20 (2.039)
CF 85	200 ~ 1000 (20.395 ~ 101.974)	100 (10.197)
CF 86	500 ~ 2500 (50.987 ~ 254.935)	150 (15.296)
CF 87	1000 ~ 4000 (101.974 ~ 407.896)	250 (25.494)

How to order CF series

Low Range Pressure Difference Switches

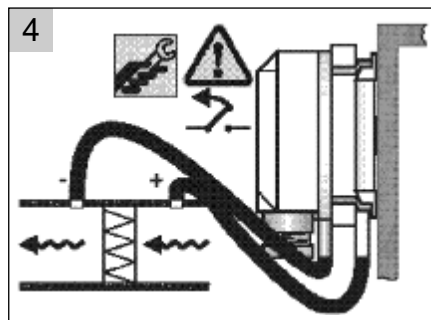
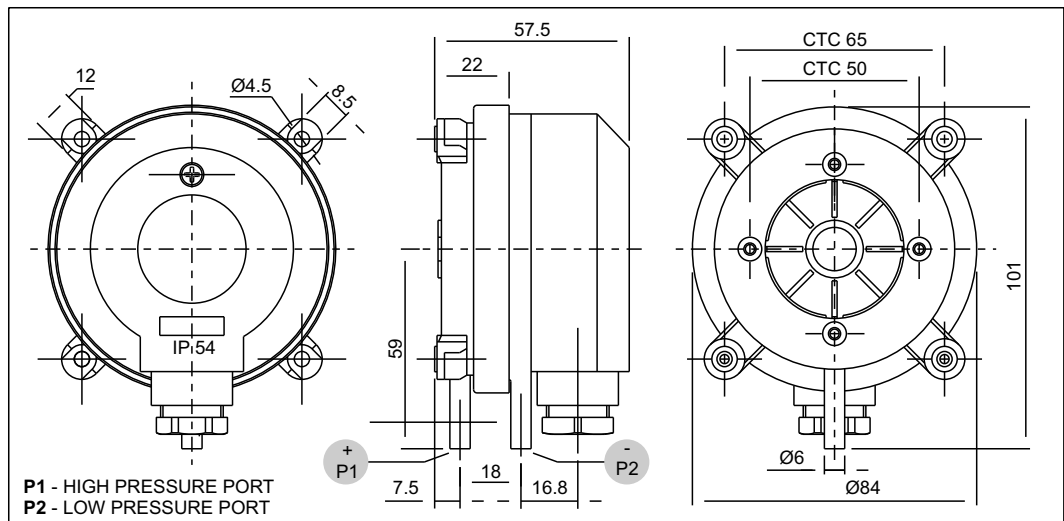
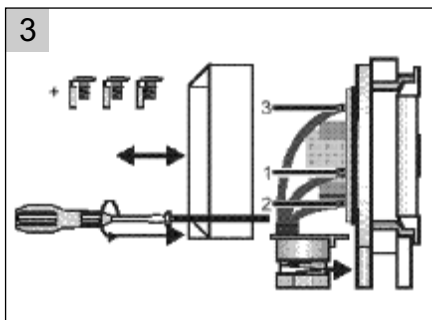
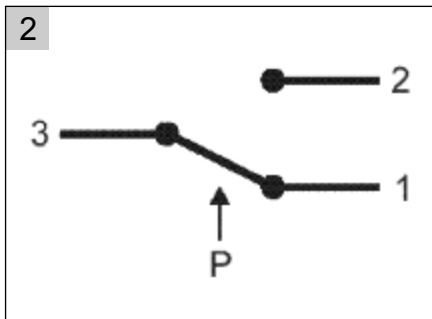
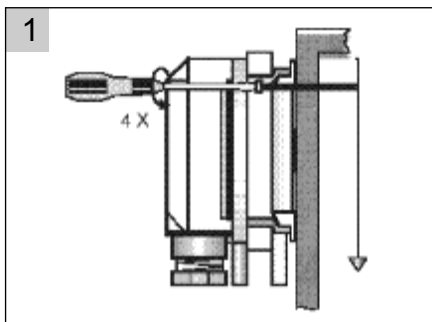
Please specify the Range Code eg. CF82 or CF 85

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



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.



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