

## Description

**PSFour®** is a differential pressure transmitter for HVAC systems and general industrial use. The unique use of Microcontrollers with high resolution AD capabilities and the state of art piezoresistive pressure sensors, makes this little transmitter a superb alternative to any other pressure transmitter on the market.

Price and performance competitive, it has four selectable ranges, and comes in an IP54 rated enclosure.

**PSFour®** has the ability to measure either positive or negative pressure levels, as there are two pressure ports, one positive and one negative. Or, the negative port can be left open to the ambient.

**PSFour®** has a wide supply range, 15-36V= or 12-27V~, all with supply reference to ground. Polarity protection is standard, as all terminals are short circuit protected and protected against any wrong electrical connections.

**PSFour®** has been calibrated for 4 different ranges, and these ranges can be selected from the on board dipswitch.

**PSFour®** The integrated LED will flash when the range has been changed to remind you to recalibrate the Zero setting.

**PSFour®** is a highly versatile differential pressure transmitter with a selectable range making it ideal for a wide range of applications.

**WHEN CHANGING DIPSWITCH RANGE, PLEASE REMOVE PRESSURE AND PRESS THE ZERO CALIBRATION BUTTON FOR APR. 2 SECONDS TO RESET THE ZERO POINT**

## Picture



Dipswitch ON	PSFour®
1	150Pa
2	300Pa
3	500Pa
4	1000Pa

*Any changes to the range setting will cause the LED to flash, reminding you to recalibrate the ZERO point.*  
**\*\* LED will continue to flash until the Zero point has been reset \*\***

## Technical data

- Supply 15-36V= OR 12-27V~
- Max 20mA supply current
- 0-10V @ 10mA output reflects pressure
- Pressure measurement in "air only"
- Gauge transmitter with ports for plus and minus pressures
- Resolution 66mV – 33mV – 20mV – 10mV (4 ranges)
- LED indication for pressure change on Dip switch
- Over pressure max 15X
- Hysteresis max +/- 0.3%

## Technical data

- Accuracy +/- 3% of Full Scale
- Linearity Max +/- 2.5 %
- Temperature drift max +/-2.5% of Full Scale
- Temperature hysteresis max +/-0.1% FS
- Output 0-10V (0-Pressure Range) max 10mA
- Temperature compensating 0°C to +50 °C
- Ambient temperature -20°C to +50 °C
- Response time max 2 seconds
- Connection through Cable Gland PG9 and "snap terminals"
- Dimensions 82x80x55mm, IP 54 grade
- CE approved

## Connection and dimensions

