

# Operating instructions

## Pressure switch / Differential pressure switch

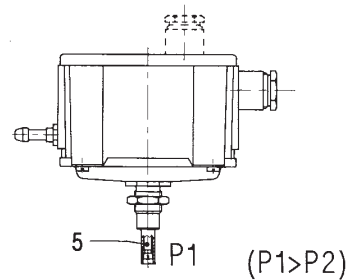
# 610

### Attention

- Do not change adjustment of switches adjusted in the factory.
- Obtain largest and smallest adjustment differences between upper and lower switching points from the diagram.

For settings beyond the prescribed  $\Delta p$ -values (diagram) the connections 3-2 can be short-circuited which will create an inadmissible operating condition.

- Do not change adjustment of screw 5.
- Adjust upper and lower switching points with the main adjusting screw (1).
- With differential pressure: Connection 4 = P2.



### Installation

Can be installed in any position. Adjust switching points in installed position. With switching points adjusted in the factory observe specified installation position.

### Adjustment of switching points

Screw 1:

For the higher switching point (higher pressure) turn in direction plus  $\oplus$  for higher switching points!

Allow pressure to increase slowly until the higher switching point switches. Decrease pressure slowly until the lower switching point switches. Repeat this cycle by adjusting screw 1 until the higher switching point is set.

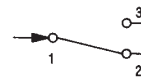
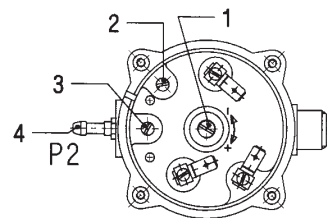
Screw 2:

(Set first the higher switching point with screw 1 !)

For the lower switching point (lower pressure respectively switching difference) cycle as above, turn clockwise. The switching difference gets larger (lower switching point gets lower).

Screw 3: do not adjust !

(If necessary repeat adjustment with screw 1 and then screw 2)



- 1) Supply cable
- 2) Closed circuit contact
- 3) Open circuit contact

### After setting!

Varnish screw 1 and 2

For differential pressure switch varnish screw 1 air-tight

(Pressure switches do not necessarily have to be varnish air-tight)

### Example of reading measurement values

- 1 Enter upper switching point, e.g. 3 mbar.
- 2 Read the available, adjustable switching difference (in the example 0,85 – 1,85 mbar).

