

## DPS Differential Pressure Switch



### Applications

Air and other non-combustible, non-aggressive gases  
Monitor overpressure, vacuum and differential pressure for air and compatible gases  
Possible applications are:  
monitor air filters and ventilators  
monitor air status in heating and cooling circuits  
monitor flows in ventilation duct  
other applications

### Specifications

**Adjustable range:** 5 ranges selectable, different engineering units available, see order information

**Pressure limit:** 7500Pa

**Working temperature limit:** -20~ 85°C

**Storage temperature limit:** -40~85°C

**Pressure connection:**  $\phi$  6.0mm plastic pipe, P1 high and P2 low pressure

**Service life:** over 106 switching cycles

**Electric Contact:** SPDT, max 2A/250VAC, max frequency 6 switching cycles/min

**Electrical connection:** 3 screw terminals

**Repeatability:**  $\pm 2\%$

**Materials:** housing PC, cover PC, diaphragm silicone and contact silver

**Weight:** 140g with bracket, 90g without bracket

**Protection:** IP54 with cover

**Installation:** vertical, pressure ports P1 and P2 downward. This is the factory-calibrated position. If horizontally installation needed, the switching value should plus about 20pa (cover upward) and minus about 10pa (cover downward). See operation manual.

**Accessory:** the pressure connection set (part number 1001) includes plastic pipe 2m, 2 pressure connection parts and 4 screws.

### Accessories



Part number: 1001

### Structure

- 1 Bracket for installation
- 2 Diaphragm
- 3 P1 high pressure or low vacuum
- 4 P2 low pressure or high vacuum
- 5 Scale dial (switching point setting)

Remark: it is for the one with bracket. Another style with installation ear is on product picture. The 2 styles are for different applications. Their structures are the same.

