Differential Pressure Switches DPS-Series
FOR AIR CONDITIONING/VENTILATION – USER Adjustable

**Operating ranges**

<table>
<thead>
<tr>
<th>type</th>
<th>adjustment range for upper trip pressure</th>
<th>switching difference (hysteresis)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPS 200</td>
<td>20...200 (Pa)</td>
<td>10 (Pa)</td>
</tr>
<tr>
<td>DPS 400</td>
<td>40...400 (Pa)</td>
<td>20 (Pa)</td>
</tr>
<tr>
<td>DPS 1000</td>
<td>200...1000 (Pa)</td>
<td>100 (Pa)</td>
</tr>
<tr>
<td>DPS 2500</td>
<td>500...2500 (Pa)</td>
<td>150 (Pa)</td>
</tr>
</tbody>
</table>

The trip pressure refers to vertical mounting. In case of horizontal mounting (with cover position upwards) the range values increase by 20 Pa.

**Applications**
Differential pressure switch e.g. for monitoring filter, fan, fire damper or air flow status of air handling systems.

**Benefits**
- Switching point easily adjustable with scale in Pascal
- Direction of PG 11 conduit entry can be rotated in steps of 120°
- Only one screw needed for housing cover

**Pressure medium**
Air, non-inflammable and non-aggressive gases

**Specifications**
Max. operating pressure: 5000 Pa
Pressure connections: 2 plastic tubes ø 6.0 mm outside.
Switching capacity: 1.5 A (0.4)/250 V~
Electrical connections: AMP connectors 6.3 x 0.8 DIN 46244 or screw terminals
Conduit entry: PG 11
Protection class: IP 54
Mounting lugs: integrated in bottom housing
Medium/ambient temp.: -20 °C...+ 85 °C
Storage temperature: -40 °C...+ 85 °C
Membrane material: Silicone

**Approvals**
CE approval according to low voltage directive EEC 73/23.
Switch according to VDE 0630.
EN-1854.

**Accessories**
- DPSK* Duct Kit, including 2 m of silicone-hose and 2 joining pipes DPSJ with screws.*
- DPSL Mounting brackets L-shaped
- DPST* Set of 3 push-on screw terminals for AMP connectors.*

* Included in delivery of single package

Switch off power before removing cover!

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EN0B-073 GE51R0298
Dimensions

Pressure Switch DPS-Series

- Different cover positions possible
- Cable fitting removable for installation

* Use 2 screws only for mounting lugs!
** Remove transport protection from P2!

Don't install upside down with trip pressures < 50 Pa!

Options / Accessories

DPSL
L-shaped mounting brackets

Joining pipe, DPSJ
L-shaped mounting brackets
(part of DSPK duct kit)

DPST Screw Terminal

Content of delivery (for single package)

1 DPS Differential Pressure Switch
1 Data Sheet with installation information

1 DPS kit consisting of:
- 2 m of silicone hose,
- 2 joining pipes DPSJ with 4 screws,
- 2 self-tapping screws for mounting the housing
- 3 terminal screws for electrical installation

Optional accessories

DPSL L-shaped mounting bracket,
for e.g. vertical installation below ceilings
including 2 screws

Bulk package available on request