Beck.
The adjustable differential pressure switches.
Differential pressure switch
930.8x Climair®
with adjustable switching pressure

Applications
Adjustable differential pressure switch for monitoring overpressure, vacuum and differential pressure of air or other non-combustible, non-aggressive gases.
Class of control and regulation function: A
Possible fields of application include:
• Monitoring air filters and ventilators
• Monitoring industrial cooling-air circuits
• Overheating protection for fan heaters
• Monitoring flows in ventilation ducts
• Controlling air and fire-protection flaps
• Frost protection for heat exchangers

Pressure connections
2 plastic pipe connection pieces (P1 and P2), external diameter 6.0 mm:
P1 for connection to higher pressure (marked +).
P2 for connection to lower pressure (marked –).

Housing materials
Switch body and cover of plastic.

Weight
Switch body and cover of plastic.

Pressure connections
2 plastic pipe connection pieces (P1 and P2), external diameter 6.0 mm:
P1 for connection to higher pressure (marked +).
P2 for connection to lower pressure (marked –).

Housing materials
Switch body and cover of plastic.

Weight
With cover 150 g, without cover 110 g.

Mechanical working life
Over 10^6 switching operations.

Electrical rating
Standard version: max. 1.5 A (0.4 A) / 250 VAC.
Low-voltage version: max. 0.1 A / 24 VDC.

Electrical connection
Tab terminals 6.3x0.8 mm in accordance with DIN 46244 or push-on screw terminals.
Cable conduit with cable strain relief.

Arrangement of contacts

Protection
IP 54 with cover, IP 00 without cover.

Protection class
Protection class II (with cover).
The pressure switch without cover is provided for installation in equipment. The construction of the equipment and the type of installation determine the protection class.

CE Conformity

Specifications according to EN1854
Deviation: ±15 %, min. ±10 Pa.
Drift: ±15 %.

Accessories
See order matrix.
### Order matrix

<table>
<thead>
<tr>
<th>Pressure ranges</th>
<th>930.8</th>
<th>0B</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 to 200 Pascal (0.2 to 2.0 mbar)</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>20 to 300 Pascal (0.2 to 3.0 mbar)</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>30 to 400 Pascal (0.3 to 4.0 mbar)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>50 to 500 Pascal (0.5 to 5.0 mbar)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>100 to 1000 Pascal (1.0 to 10.0 mbar)</td>
<td>5B</td>
<td></td>
</tr>
<tr>
<td>200 to 1000 Pascal (2.0 to 10.0 mbar)</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>500 to 2500 Pascal (5.0 to 25.0 mbar)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>1000 to 4000 Pascal (10 to 40 mbar)</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>1000 to 5000 Pascal (10 to 50 mbar)</td>
<td>7B</td>
<td></td>
</tr>
</tbody>
</table>

### Switching contacts
- gold-plated for low voltages, screw terminals enclosed up to maximum 1.5 A (0.4) / 250 VAC, screw terminals enclosed up to maximum 1.5 A (0.4) / 250 VAC with tab terminals 6.3x0.8 mm gold-plated for low voltages with tab terminals 6.3x0.8 mm

### Fitting method
- mounted directly without bracket

### Adjustment knob
- scale in mbar
- scale in Pascal
- scale in Pascal and inWC

### IP protection category
- IP 54 with cable conduit M20x1.5
- IP 54 with cable conduit NPT1/2
- IP 00 without cover
- IP 54 with cap nut conduit AF20

### Packaging
- bulk packed, 45 pcs. per carton
- bulk packed, folding boxes included
- individually boxed

### Accessories
- without accessories
- with S-shaped metal mounting bracket 6402
- with L-shaped metal mounting bracket 6401
- with Climaset® 6555
- with Climaset® 6550
- with S-shaped metal mounting bracket 6402 and Climaset® 6555
- with S-shaped metal mounting bracket 6402 and Climaset® 6550
- with L-shaped metal mounting bracket 6401 and Climaset® 6555
- with L-shaped metal mounting bracket 6401 and Climaset® 6550
- with S-shaped snap-on plastic bracket 6482
- with L-shaped snap-on plastic bracket 6481
- with S-shaped snap-on plastic bracket 6482 and Climaset® 6555
- with S-shaped snap-on plastic bracket 6482 and Climaset® 6550
- with L-shaped snap-on plastic bracket 6481 and Climaset® 6555
- with L-shaped snap-on plastic bracket 6481 and Climaset® 6550
- with S-shaped snap-on plastic bracket 6481 and Climaset® 6555
- with L-shaped snap-on plastic bracket 6481 and Climaset® 6550
- with S-shaped snap-on plastic bracket 6481 and Climaset® 6550

### Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Article No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal mounting bracket, S-shaped</td>
<td>6402</td>
</tr>
<tr>
<td>Metal mounting bracket, L-shaped</td>
<td>6401</td>
</tr>
<tr>
<td>Snap-on plastic bracket, S-shaped</td>
<td>6482</td>
</tr>
<tr>
<td>Snap-on plastic bracket, L-shaped</td>
<td>6481</td>
</tr>
<tr>
<td>Climaset® consisting of 2 m PVC hose and two plastic tubes</td>
<td>6555</td>
</tr>
<tr>
<td>Climaset® consisting of 2 m silicone hose and two plastic tubes</td>
<td>6557</td>
</tr>
<tr>
<td>Climaset® consisting of 2 m PVC hose and two angled metal pipes</td>
<td>6550</td>
</tr>
<tr>
<td>Climaset® consisting of 2 m silicone hose and two angled metal pipes</td>
<td>6556</td>
</tr>
<tr>
<td>Set consisting of three push-on screw terminals, bagged</td>
<td>6415</td>
</tr>
<tr>
<td>Plastic tube for Climaset® 6555</td>
<td>6551</td>
</tr>
<tr>
<td>Angled metal pipe for Climaset® 6550</td>
<td>6552</td>
</tr>
<tr>
<td>Rubber grommet for Climaset® 6550</td>
<td>6553</td>
</tr>
<tr>
<td>Roll with 100 m PVC hose</td>
<td>6424</td>
</tr>
<tr>
<td>Roll with 100 m silicone hose</td>
<td>6425</td>
</tr>
<tr>
<td>Cap nut conduit AF20 with integrated cable strain relief</td>
<td>6562</td>
</tr>
<tr>
<td>M20x1.5 cable conduit including sealing and counter screw</td>
<td>6568</td>
</tr>
<tr>
<td>Cardbox for single packing for 930.8x Climair® small</td>
<td>6428</td>
</tr>
<tr>
<td>Cardbox for single packing for 930.8x Climair® large</td>
<td>6429</td>
</tr>
</tbody>
</table>
Dimensional Drawings

930.8x Climair®

Mounting bracket 6481

Mounting bracket 6482

Climaset® 6550/6556

Climaset® 6555/6557

Mounting bracket 6401

Mounting bracket 6402

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