ADJUSTABLE PRESSURE SWITCH
with or without protection and status indicators
G 1/4 or subbase mounted body

GENERAL
PROTECTION
AND STATUS INDICATORS
WITHOUT WITH
FLUID: Air or neutral gas, filtered, lubricated or dry
PRESSURE SETTING: 0.5 to 10 bar (0.2 - 6 bar on request)
HYSTERESIS: 0.4 bar at the beginning of adjustment range
1 bar at the end of adjustment range
MAX. PRESSURE (PMA): 10 bar or 16 bar
OPERATING TEMPERATURE: -10°C; +60°C : 0°C, +60°C
MAX. VOLTAGE: 250 V - AC/DC : 24 V DC resistive
CURRENT BREAKING CAPACITY: 5 A - 250 V resistive : 2 A - 24 V DC resistive
PROTECTION DEGREE: IP65
MOUNTING POSITIONS: all positions
MAX. SPEED: 60 cycles per minute

CONSTRUCTION
Bodies: PC (polycarbonate) / aluminium for 16 bar version
Nitrile (NBR) seals
Commutator (reversing switch) • at rest: contact 1 - 2 made
• at work: contact 1 - 3 made
Mechanical service life: 5.10^6 contacts
Pressure set by set screw and lock-nut

SPECIFICATIONS

| Type | Designation | Pressure setting (bar) | catalogue number Without catalogue number With
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>protection</th>
<th>protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Adjustable pressure switch with side pneumatic</td>
<td>0.2 - 6</td>
<td>34900015</td>
<td>-</td>
</tr>
<tr>
<td>G349</td>
<td>connection, tapped G1/4</td>
<td>0.5 - 10</td>
<td>34900018 34900019</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Adjustable pressure switch with subbase</td>
<td>0.5 - 10</td>
<td>34900030 3490031</td>
<td></td>
</tr>
<tr>
<td></td>
<td>mounted pneumatic connection (version adaptable on FRL)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DIMENSIONS AND WEIGHT
Weight: 110 g

VERSIONS
Version without protection and status indicators
Version with protection and status indicators

ELECTRICAL CONNECTION

ELECTRICAL DIAGRAM

All leaflets are available on: www.asco.com
DIAPHRAGM PRESSURE SWITCHES
G1/8 - G1/4 external threaded body

GENERAL
Fluid: Air or neutral gas, filtered, lubricated or dry
Maximum allowable pressure (MAP): 16 bar
Control range: 0 - 10 bar
Fluid temperature: -10°C to +60°C
Max. speed: 60 cycles per minute
Hysteresis: 0.2 bar at the beginning of control range
Mechanical service life: 10⁶ contacts
Mounting positions: All positions

CONSTRUCTION
Body: Steel
Seals: FPM (fluoroelastomer)
Pressure set: By set screw

ELECTRICAL CHARACTERISTICS
Max. switched voltage: 48 V DC
Max. switched current: 0.5 A
Electric contact: Plated silver

SPECIFICATIONS

<table>
<thead>
<tr>
<th>designation</th>
<th>control range (bar)</th>
<th>maximum allowable pressure (MAP) (bar)</th>
<th>catalogue number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diaphragm pressure switch, NC, adjustable, pneumatic connection</td>
<td>G 1/8 1 - 10</td>
<td>16</td>
<td>34900048</td>
</tr>
<tr>
<td></td>
<td>G 1/4</td>
<td></td>
<td>34900049</td>
</tr>
</tbody>
</table>

DIMENSIONS (mm), WEIGHT (kg)

| weight | 0.065 |

All leaflets are available on: www.asco.com
**GENERAL**

**FLUID:** air or neutral gas, filtered, not lubricated, free of condensate

**CONNECTION:** G1/8

**PRESSURE RANGE:** 0 to 10 bar

**MAX. OVERPRESSURE:** 15 bar

**OPERATING TEMPERATURE:** 0°C, +50°C (storage: -20°C, +60°C)

**ELECTRICAL CONNECTION:** 4-pin M8 connector

**SUPPLY VOLTAGE:** 12 to 24 volts, max. ripple 10%, reverse voltage protection

**CONSUMPTION:** < 55mA

**VOLTAGE SPIKE:** 350 V Peak, 1µs

**ACCURACY:** +/- 200 mbar (2% of full range)

**DIGITAL DISPLAY:** 3-digit - 7 segments - display frequency: 5 Hz

**UNITS OF MEASURE:** bar - psi - MPa - kgf/cm²

**OUTPUTS:** 2 PNP outputs selectable NO or NC, max. load current 80 mA, 30 V, with overcurrent protection, status indication by LED

**RESPONSE TIME:** < 2,5 ms - 24 ms - 192 ms - 768 ms

**PROTECTION DEGREE:** IP65

**VIBRATION RESISTANCE:** 10 to 55 Hz, 1,5 mm, XYZ, 2 hours

**SHOCK RESISTANCE:** 980 m/s² (100G), XYZ

**OPERATING Hysteresis mode**

- hysteresis 0 to 100% of full range
- window comparator: 2 limit values adjustable over full range

**CONSTRUCTION**

- Polycarbonate body (PC)
- NBR (nitrile) sealings

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalogue Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic pressure switch with digital display adjustable from 0 to 10 bar, pneumatic connection G1/8 (delivered with 2 brackets, 1 plug G1/8)</td>
<td>34900050</td>
</tr>
<tr>
<td>Panel mounting kit for electronic pressure switch</td>
<td>88100967</td>
</tr>
<tr>
<td>Straight female connector Ø M8, 4 wires, IP65, with 5 m PVC lead (other end plain)</td>
<td>88157771</td>
</tr>
</tbody>
</table>

**DIMENSIONS AND WEIGHT**

- Weight: 105 g
- 3 1/2˝ digit LED Display
- 2 inlet pressure ports G1/8

**ACCESSORIES**

- Bracket for vertical mounting
- Bracket for horizontal mounting

**ELECTRICAL DIAGRAM**

**ELECTRICAL CONNECTION**

- 1 = brown (V +)
- 2 = white (output 2)
- 3 = blue (V -)
- 4 = black (output 1)

**PANEL MOUNTING KIT**

- Housing

**All leaflets are available on:** www.asco.com