GENERAL DATA

- Material: Fiber glass and polyarylamide
- Cover: Polycarbonate
- Screws: Zinc coated steel
- Protection class: IP65 (according to EN60529)
- Working Ambient Temperature: -20 to 60°C

Pressure switch: bunaN diaphragm + brass flange
process working temperature: -20 to 100°C
process connection: ½”BSPM or ¼”BSPF

On specific requests, other diaphragm materials are available: viton (0 to 150°C), EPDM (-40 to 120°C)

- Temperature switch: 2m copper capillary
  copper bulb 9x120mm

ELECTRICAL DATA

Verify the type of microswitch thanks to the reference indicated on the instrument sticker: UP or UC + microswitch Nr

<table>
<thead>
<tr>
<th>Contact Rating</th>
<th>Microswitch Nr</th>
<th>Voltage</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>10A</td>
<td>06</td>
<td>240 V~</td>
<td>0.3A 110 V</td>
</tr>
<tr>
<td>5A</td>
<td>10</td>
<td>240 V~</td>
<td>0.2A 110 V</td>
</tr>
</tbody>
</table>

WALL MOUNTING

CONTINUOUS DEVELOPMENTS MAY RESULT IN SPECIFICATION CHANGES WITHOUT NOTICE
PRESSURE SWITCH MOUNTING
- Process connection: ½"BSPM or ¼"BSPF
- Use the correct spanner. Never apply force to the body.
  Maximum torque for instrument connection: 5 m.kg.
- Ensure that pipe does not cause mechanical stress on pressure connection and housing.
  Maximum torque on cover screws: 0.025 m.kg.
- Remote mounting by using a capillary allows to eliminate pulsations, to reduce pressure peaks and vibrations.
- Respect environmental conditions and fluid characteristics corresponding to instrument’s general data.
- Never exceed maximum pressure as indicated on the instrument sticker.

TEMPERATURE SWITCH MOUNTING
- Sensing element: capillary 2m – bulb 9x120mm. Material: copper.
- Do not bend or wind capillary at least at 80 mm diameter.
- Bulb must not be horizontally installed except special specifications.
- Respect environmental conditions and fluid characteristics corresponding to instrument’s general data.
- Never exceed maximum temperature as indicated on the instrument sticker.
- Fluid control: use an adapted thermowell: GC(X)41(B) or use a capillary compression gland PC(X)41(B) to fix the bulb following the existing process connection requirements.
- Surface control: use a clamping ring to fix the bulb and insulate for a proper detection and control.

WIRING
- Via ISO M20 cable gland for cable Ø 7.5…13 mm.
- Internal 3 wires terminal block (capacity 2.5 mm²).
- State of the microswitch without pressure or temperature (see right scheme).
- Without stress (below setpoint), contact is ON between C-NC.
- Following required use (open or close circuit), connect the terminal block between C-NC or C-NO.

SETTING
Instrument setting depends on the type of microswitch. Check the type of microswitch used with the reference indicated on the sticker: UP or UC + microswitch Nr

MICROSWITCH Nr 10: FIXED DEAD BAND
- Screw or unscrew the setting screw ● until required setpoint; scale on window will help you to reach setpoint.
- Setpoint indicated on scale is corresponding to the falling value (Low point). Switch changes as soon as the fixed dead band is overpassed (High point).
- For more accuracy, please use a control instrument. Apply required pressure or temperature to the instrument. Verify setpoint values and readjust setting if necessary.

MICROSWITCH Nr 06: ADJUSTABLE DEAD BAND
- Relax completely dead band spring ▲ with dead band screw located inside the housing.
- Refer to MICROSWITCH Nr 10 setting paragraph and follow next instructions.
- As the dead band is adjustable, «High point» value can be changed by compressing dead band spring ▲ located inside the housing.
- Apply required pressure or temperature to the instrument. Verify setpoint values and readjust setting if necessary.
- Remark: by acting on setting screw ●, high and low points values are modified.