

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.

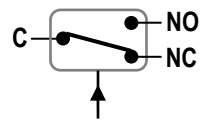
TEMPERATURE SWITCH MOUNTING

- Sensing element : capillary 2m – bulb 9x120mm. Material : copper.
- Do not bend or wind capillary at less than 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.

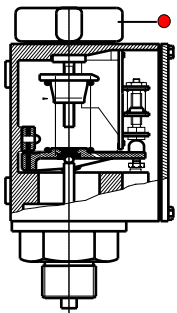
state of switch (no stress)



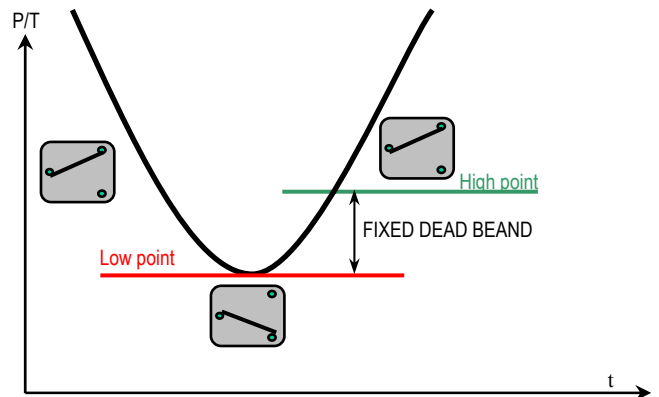
SETTING

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**

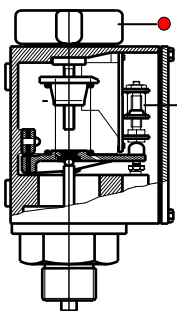
MICROSWITCH Nr 10 : FIXED DEAD BAND



- Screw or unscrew the setting knob ● (or external 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 knob ●, high and low points values are modified.*

