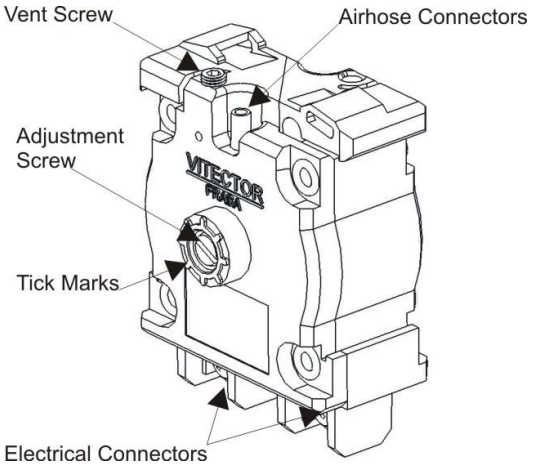
DEVANCO CANADA

OPERATING INSTRUCTIONS FOR PNEUMATIC SWITCHES

Sketch of DW-switch



Pneumatic features

- Response sensitivity: 2 to 500 mm WC (1 mbar = 10 mm WC)
- Standard setting: 35 mm WC
- Mechanical resistance: 2000 mm WC
- Vent screw: Factory preset open
- Tighter setting is available (turning clock-wise of the vent screw. Pay attention to air pressure and temperature variations with tight setting).

Setting and Adjustment

The response sensitivity is adjustable by turning the adjustment screw on top of the switch:

- Normally open contact, turning clock wise = more sensitive; turning counter clock wise = less sensitive;
- Normally closed contact, turning clock wise = less sensitive; turning counter clock wise = more sensitive;.

The system can be operated in a positive or negative air pressure mode. In the negative pressure mode the same function is ensured by changing the air hose connector to the other side of the switch.

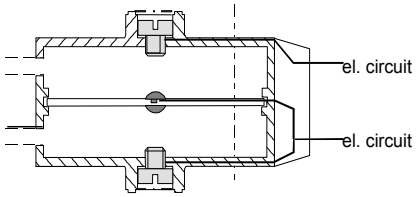
Conversion Instructions

NOC into NCC or vice versa

- Change air hose connector to the other side;
- Change vent screw to the other side. Screw it in completely and reopen it app. one quarter turn;
- Connect buzzer or test lamp;
- Turn the adjustment screw clock wise until the contact closes, then continue to turn until the required setting is obtained (app. 10 pitchlines).

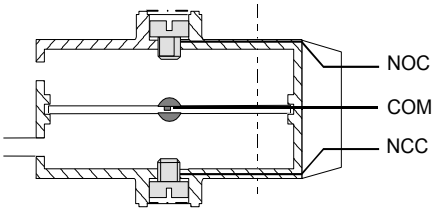
Wiring sheme

NO or NC contact



When utilizing a dedicated NO or NC contact there is no preference for the input or output of the electrical circuit.

NO/NC contact



The NO/NC changeover contact is connected in accordance to the diagram shown above.

Technical data:

Max. Operating voltage: 230V
Max. Contact Load: 0,5A resistive
Max. Operating Frequency: 10/s
Operating Pressure: 0,2-50mbar
Housing Material: PA6VO