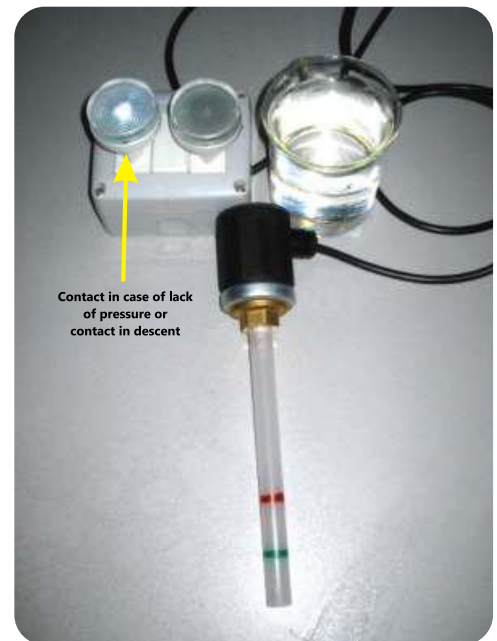


Beck pressure switch

Used as level control with SPDT exchange contact

Operating Principle

- ❖ Pre-calibrated Beck 901 series pressure switch
- ❖ Plowed at 5 mbar (5 cm) upward contact
- ❖ 2.5 mbar (2.5 cm) " descent
- ❖ IP 65 protection cover
- ❖ 16 cm fishing tube
- ❖ Container with liquid level 8 cm
- ❖ LED lights powered by 230 Volts connected to SPDT contacts of the pressure switch



Start of application test

- ❖ We are preparing to insert the tube drawing into the water.
- ❖ You can see that the contact is in minimum or field position:
- ❖ Minimum level alarm

Phase 2 - Maximum alarm

- ❖ Insert the dip tube inside the water up to the red level calibrated at 5 cm.
- ❖ In the air section in the tube a formation is formed pressure of 5 mbar and therefore the sensitivity of the Beck Pressure Switch ago trigger the exchange in the contacts.
- ❖ **Maximum level alarm**



Phase 3 - Minimum Alarm

- ❖ When the level drops by 2.5 cm compared to the maximum level, therefore 2.5 cm from the mouth of the dip tube, the pressure drops at 2.5 mbar and the pressure switch trips descent.
- ❖ **Minimum level alarm**



Calibrations of Beck Pressure Switches for use as Level Switches

- ❖ Maximum/minimum range expressed in mbar = cm
- ❖ Type pressure switches
- ❖ 901.10 1/8" gas polyamide connection
- ❖ 901.11 " in Brass from 1/8" gas – 1/4" gas - 3/8" gas - 1/ 2" gas
- ❖ 901.11 " in AISI316 from 1/8" gas – 1/4" gas

5 / 2.5 mbar – cm	50 / 10 mbar – cm	70 / 40 mbar – cm	100 / 30 mbar – cm
8 / 4 mbar – cm	50 / 20 mbar – cm	70 / 50 mbar – cm	100 / 40 mbar – cm
10 / 4 mbar – cm	50 / 30 mbar – cm	80 / 30 mbar – cm	100 / 60 mbar – cm
10 / 7.5 mbar – cm	50 / 40 mbar – cm	80 / 30 mbar – cm	100 / 80 mbar – cm
15 / 5 mbar – cm	60 / 15 mbar – cm	80 / 40 mbar – cm	125 / 50 mbar – cm
15 / 10 mbar – cm	60 / 30 mbar – cm	80 / 50 mbar – cm	125 / 75 mbar – cm
20 / 10 mbar – cm	60 / 40 mbar – cm	80 / 60 mbar – cm	150 / 50 mbar – cm
20 / 16 mbar – cm	60 / 50 mbar – cm		150 / 75 mbar – cm
25 / 10 mbar – cm	70 / 20 mbar – cm		
25 / 20 mbar – cm	70 / 30 mbar – cm		
30 / 10 mbar – cm			
30 / 15 mbar – cm			
30 / 20 mbar – cm			
30 / 25 mbar – cm			
40 / 10 mbar – cm			
40 / 15 mbar – cm			
40 / 20 mbar – cm			
40 / 25 mbar – cm			
40 / 30 mbar – cm			

