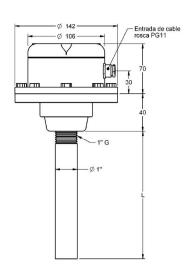


INPN

diameter.

See Examples Installation on page 2.





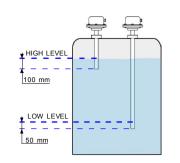
PNEUMATIC LEVEL SWITCH

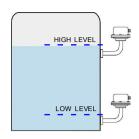


Application field	In addition to liquids, it can control any mix being fluid enough to keep the tank clean when the tube gets empty. They can also be used to signal pressures from 20 mm. water column.
Operating principle	· · · · · ·
Process connection	
Electrical connection	•
Pressure camera	Polyester with fiberglass.
	Pressure maximum 4 bar.
Connection tube	Threaded 1" G.
	The tube is optional and is not provided unless specifically requested.
Membrane	Neoprene (standard).
	On request in Viton.
Reference / Contact	INPN-1: SPDT, 10 Amp. 250 VAC.
	INPN-2: DPDT, 10 Amp. 250 VAC.
Protection	
Cable entry	Threaded hole PG11.
Temperature	+60 °C
Installation	, , , , , , , , , , , , , , , , , , , ,
	made with iron, PVC, PP, stainless steel, etc.
	The thread in the tube should have a fine end and must be long enough so that the end of
	the tube makes an even pressure on the joint housed at the base, ensuring the seal.
	Failure to ensure this union, the air captived into the tube escapes and stops operating the
	switch.
	Mounting position: Although it is preferable to mount the sensor horizontally, you can be in
	any position to take the necessary precautions.

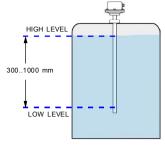
 $\underline{Installation\ distance} : The\ sensor\ can\ be\ installed\ at\ a\ maximum\ distance\ of\ 50\ meters\ far$ from the tank and its junction with the 1" pipe should be done with a tube of 8 mm inner

Installation examples

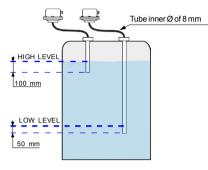


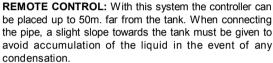


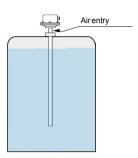
INPN-1: Level control with two controllers simple signaling



INPN-2: Level control with a dual controller signaling. Maximum variation between low and high: 100 cm.



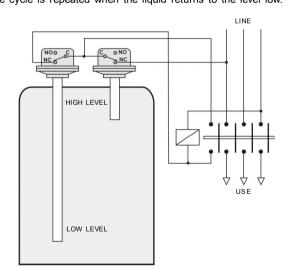




AIR PRESSURE CONTROL: By injecting a small flow of air in the tube can be checked thickened liquids and liquids with strong temperature variations.

Examples of connections for a AUTOMATIC FILLING CONTROL

Principle of action: When the liquid falls below the low level, pump will start and remain running until the liquid reaches the high level. The cycle is repeated when the liquid returns to the level low.



HIGH LEVEL LOW LEVEL Adjustment nu

USING TWO SENSORS INPN-1:

REGULATION: By varying the distance between the high and low inlet fluid tubes, the required differential distance is got. **Level LOW:** Starts the filling system. The tube should be 50 mm below the height of the level to be detected.

Level HIGH: Stops filling system. The tube should be 100 mm below the height of the level to be detected.

USING ONE SENSOR INPN-2:

REGULATION: Use the adjusting nut to adjust the differential between low and high levels (start and stop, respectively). The minimum differential is 300 mm and maximum 1000 mm. **Level LOW:** Starts the filling system. The tube should be 50 mm below the height of the level to be detected.

Level HIGH: Stops filling system.

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