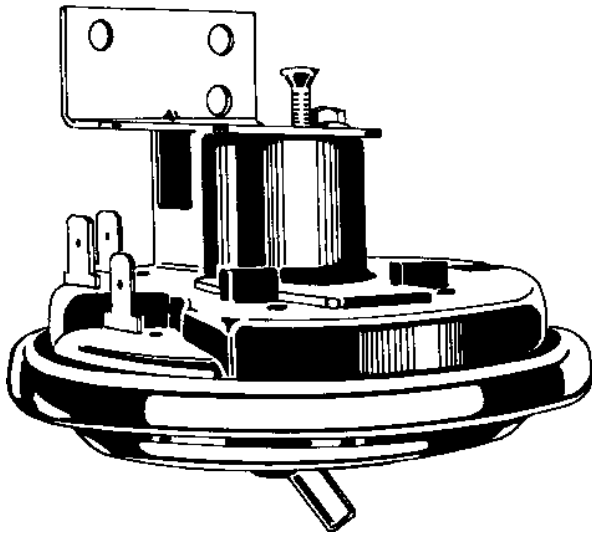


Model 738 Liquid Level Pressure Switch



Invensys offers the Model 738 liquid level pressure switch available in both single and multi-level control versions. This model offers proven reliability and long-life performance over a wide temperature range for maximum sensitivity and durable repeatability. All model 738s are UL and CSA recognized.

Typical applications include clothes washing machines, dishwashers, vending machines, sump pumps, and water treatment systems. Direct acting models are available if no inlet is required.

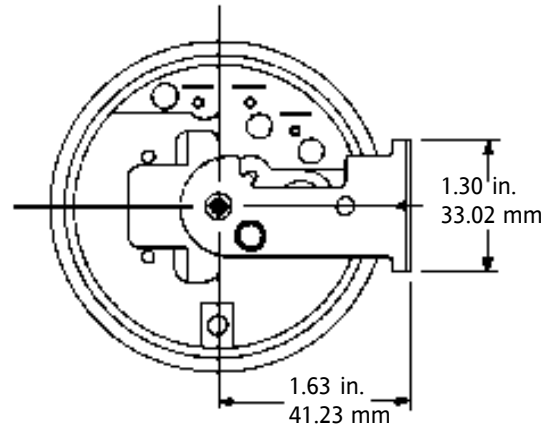
This switch features strong phenolic housing and a steel cup, with zinc dichromate plating for rugged environmental protection. The unique one-piece blade assembly with oversized fine silver contacts maintains stability against momentary high overloads. The diaphragm is made of silicone rubber materials tailored to the changes in water column pressure.

The pressure switch operates on change in air pressure due to the weight of the liquid acting on the air chamber. The normal location of the switch is above water level. To obtain air operation of the liquid level control switch, a simple air trap must be provided.

All connections from the air trap to the switch must be airtight. The inlet opening size into the trap should prevent accumulation of dirt, lint or sediment. At frequent intervals, the trap must be vented to the atmosphere. Draining should also be provided.

Specifications

- Terminals: $\frac{1}{4}$ " / 6.35 mm quick connect
- Inlet: $\frac{7}{32}$ " / 5.56 mm vertical, horizontal or angle
- Electrical Ratings:
 - $\frac{1}{2}$ HP / 0.373 kW at 125/250 VAC
 - 12 Amps - 125 VAC, 10 Amps - 250 VAC
- Calibration Range for Reset Differential:
 - Minimum 2" W.C. / 482 Pa / 0.005 atm
 - Maximum 20" W.C. / 4965 Pa / 0.05 atm
- Trip Point:
 - Minimum 4" W.C. / 965 Pa / 0.009 atm
 - Maximum 25" W.C. / 6207 Pa / 0.06 atm



Options

Various inlet sizes and mounting brackets are also available.

Information subject to change without notice. 7/99

