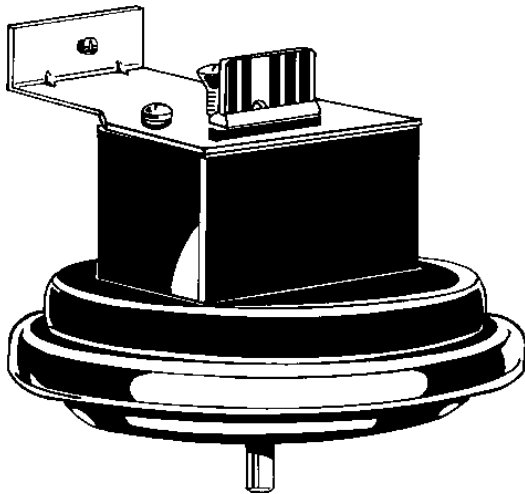


Digital Pressure Sensor



The digital sensor is a device for sensing pressure levels in electronically controlled equipment. One application uses this switch to sense the water level in an electronically controlled clotheswasher. The sensor provides a digital output signal corresponding to depth of water in a washer tub.

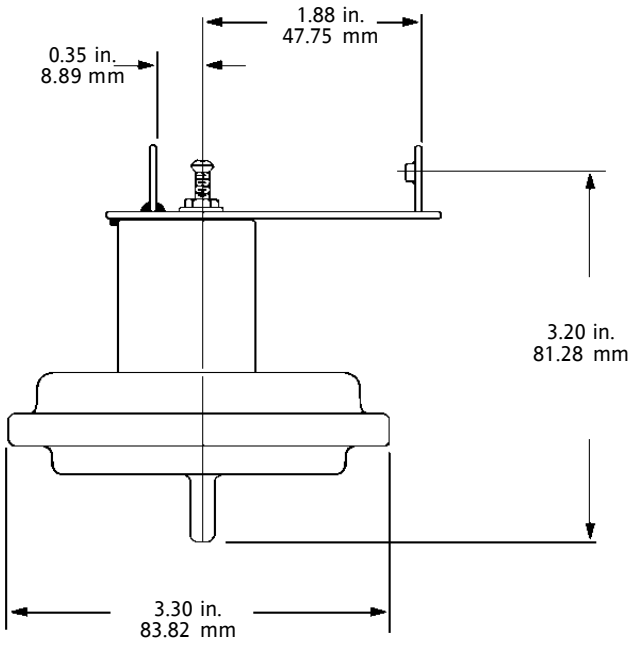
When changes in water level occur, a flexible diaphragm within the sensor actuates a series of sliding contact blades. Movement of the contacts across a discrete circuit board pattern creates the digital signal. The circuit board is designed to customer specifications. The output signal is monitored by the microprocessor which interfaces with other electrical components.

The sensor provides an output signal of up to 8 digital positions in binary grey code, and up to 2 non-switching safety circuits, through the range of 3 to 20 inches W.C. / 758 to 4965 Pa / 0.0075 to 0.05 atm. An anti-flood switch function protects against possible electronic system failure.

The digital sensor requires no lubrication. There are a variety of mounting brackets available. This sensor is UL and CSA recognized.

Features:

- Factory calibrated pressure settings
- Gold-plated bifurcated wiper blade to insure maximum reliability
- Time proven diaphragm assembly
- Durable steel and thermal plastic construction
- Gold-plated PC board for optimum performance
- Straight or angular hose connection
- One piece steel cap and hose nipple
- 0.02 inch / 0.51 mm diameter restriction available in hose nipple



Specifications:

- Electrical Connection:
Customer specified PC board edge connector
- Other Connection:
Pressure Tap for $\frac{3}{16}$ inch /
4.76 mm ID slip-on hose
- Electrical Ratings:
Binary Circuit: 32 VDC, 0.03 AMPs Max.
Safety Circuit: 120 VAC, 0.20 AMPs
32 VDC, 0.30 AMPs

Information subject to change without notice.