

FLOAT Style Multipoint Level Sensor



Features : Small size, single entry
Thousands of material and mounting combinations
Up to 5 independent switch points
Good for monitoring dissimilar liquids
Integrated temperatures sensors available
Excellent chemical resistance

Application : Storage tanks
Oil-Water separators
Cooling towers
Fuel storage
Chemical storage
Chillers

These Multipoint level sensor are ideal for liquids that are corrosive as all wetted parts are made of stainless . These units can be made of various materials depending on the environment that the sensor will be used in. The vertically mounted multi-level FLS switches are individually designed for your application from over 360 possible combinations of floats, mounts, and material options. With up to five independent switch points, the FLS is a versatile, compact and economical way to monitor multiple liquid level points within a single tank.

With only a single entry, the FLS can track changing levels within the tank as well as monitoring liquid interfaces of dissimilar liquids in a single tank like oil water separations, chemical emulsions or condensation levels. These sensors can also be equipped with thermostatic switches to provide level and temperature control in a single device.

Measurement Principle:

Hermetically sealed reed switches are actuated by a magnet inside the floats. As the floats rise and fall, the magnetic field passing the switches within the stem causes the switches to either close or open.

Specifications :

Temperature range : -70°C to +500°C (continuous operation) (temporary use to 550 °C possible)

Body material : Stainless Steel 316 304 etc

Diameter : 3/8 " O D

Length : 4 " to 15 feet or as per customer requirement

Connection : ½ " NPT

Each switching point requires one float.

For special applications, a single float can be used to activate two switch points, though these points must have minimum separation of 1/8 " .

The maximum number of actuation levels depends on the wiring type selected.

Ratings: 20 VA @ 120 VAC SPST
50 VA @ 240 VAC SPST
3 VA @ 30 VAC/VDC SPDT

Connection : Screw terminals 24 " Free Leads # 22 AWG, PVC jacketed.

Mounting Attitude: Vertical ± 30°

Made By *HCS* Heaters Controls and sensors Ltd 60 meg drive Unit 13 London Ontario Canada N6E 3T6

Email : hcs@hcs77.com website : www.hcs77.com Ph 800 279 9912 Fax : 519 686 8159