

Principle of Operation

A magnet inside each float activates a reed switch which is hermetically sealed inside the sensing tube. One to five switch levels are available.

Technical Information

Functional Specifications

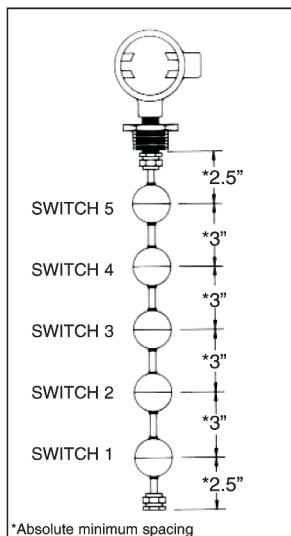
Accuracy ± 1/4"
 Liquid Specific Gravity 0.7 or greater
 Maximum Pressure 150 psig
 Switch Levels 1 to 5
 Reed Switch Form A Dry Contact
 Resistive: 100 Watts, 3.0 Amp max, 400 VDC max, SPST
 Temperature - 14° F to 212° F (- 25° C to 100° C)

Physical Specifications

Switch Spacing 2.5" below top fitting / 2.5" above bottom of tank
 3" minimum between each switch
 Switch Numbering Switch One is the bottom switch
 Switch Contact Normally Open (NO) or Normally Closed (NC)
 Materials of Construction
 Tube Brass or 316 SS
 Floats 316 SS
 Float Stops Plated Steel or 316 SS
 Tank Fitting Cast Iron or 316 SS
 Junction Box (opt.) Explosion Proof and NEMA 4
 Junction Box Approvals Class 1, Groups C and D, Class II, Groups E,F, and G, Class III
 Wiring 18 AWG
 Connections Type A: 1/2" MNPT
 Type B: 2" MNPT tank fitting with 1/2" MNPT wiring connection
 Type C: Same as type B with 90 degree Ex. Proof junction box
 Type D: Same as type B with straight through Ex. Proof junction box
 Lead Lengths Type A and B are 4 inches
 Type C and D are 9 inches



Dimensions



Ordering Information

Part Number LSS-1000 _____

Construction _____
 BR . . Brass
 SS . . 316 Stainless Steel

Number of Switches _____
 Check either normally open or normally closed switch contacts. Indicate the distance in inches from the top of the tank fitting or standpipe to the switch activation point.
 Note: Switch 1 is the bottom switch
 Note: Allow 2.5" spacing below top fitting,
 2.5" spacing above bottom of tank, and
 3" minimum spacing between each switch point.

Mounting Connection _____
 A . . . 1/2" NPT wiring connection
 B . . . 1/2" NPT wiring connection, 2" NPT tank fitting
 C . . . 1/2" NPT wiring connection, 2" NPT tank fitting, 90° explosion proof junction box
 D . . . 1/2" NPT wiring connection, 2" NPT tank fitting, 180° explosion proof junction box

Probe Length Range _____
 S . . . 2 1/2" to 12"
 M . . . 13" to 70"
 L . . . 71" to 120"
 Note: The probe length is determined by the bottom switch plus 2 1/2"