

**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**

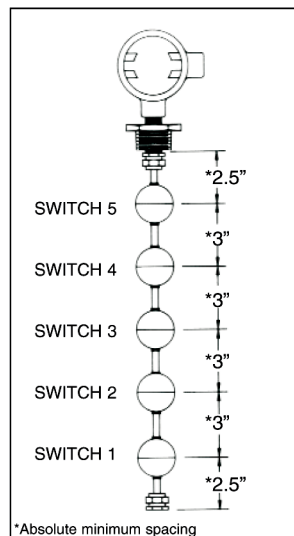
Accuracy  $\pm 1/4"$   
 Liquid Specific Gravity 0.7 or greater  
 Maximum Pressure 150 psig  
 Switch Levels 1 to 5  
 Reed Switch Form A Dry Contact  
 Resistive: 100 Watts, 3.0 Amp max, 400 VDC max, SPST  
 Temperature - 14° F to 212° F (- 25° C to 100° C)

**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"