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 I, Groups C and D, Class II, Groups E,F, and G, Class III
- Wiring: 18 AWG
- Connections: Type A: ½” MNPT
  - Type B: 2” MNPT tank fitting with ½” 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”