

**\*Note:** Switch actuation point is approximately half the distance from end of stem from end of mounting, or at the halfway point of float travel (in liquid with sp. gr. of 1).

### Switch Ratings - Max. Resistive Load

VA	Volts	Amps AC	Amps DC
20	0-30	.4	.3
	120	.17	.13
	240	.08	.06

### Specifications . . .

Stem/Mtg. Material	Brass
Float Material	Buna N
Slosh Shield Mat.	Aluminum
Other Wetted Materials	316 Stainless Steel (Cad. Plated)
Operating Temperature	Oil: -40°F to +230°F (-40°C to +110°C) Water: to +180°F (+82.2°C)
Pressure Rating	10 psi, Max.
Min. Liquid Spec. Gravity	.85
Switch Rating	SPST, 20 VA, N.O., Dry
Electrical Connection	SJO, 18/2 10' L., Neoprene

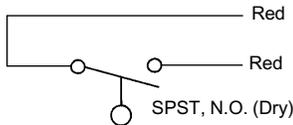
## Installation . . .

Attach LS-15208 unit to tank or vessel wall by means of permanent magnet on unit - in vertical position with cable upward. Locate unit so that actuation level is at level to be monitored. See "Dimensional Data".

## Electrical Connection . . .

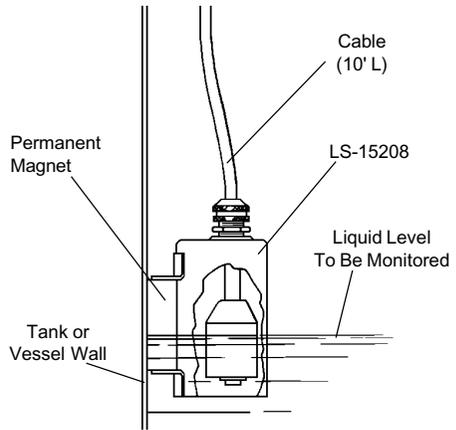
See "Wiring Diagram". connect cable to load circuit outside of tank. CAUTION: See "Specifications" and "Switch Ratings" before connecting power.

## Typical Wiring Diagram . . .

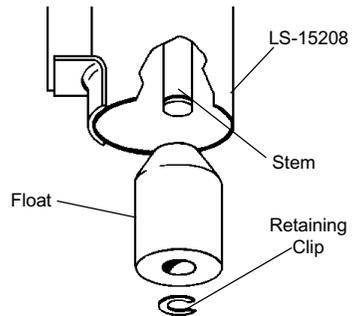


## Maintenance . . .

An occasional cleaning when excessive contamination is present in the liquid is normally all that is required. Remove retaining clip and float from unit, wipe down components and reassemble unit as shown (right). CAUTION: Be sure that tapered end of float is upward when reassembling unit.



**LS-15208 Unit Installed**



**LS-15208 Unit Disassembled for Wipe-Down Cleaning**

### Important Points!

Product must be maintained and installed in strict accordance with the National Electrical Code and GEMS product catalog and instruction bulletin. Failure to observe this warning could result in serious injuries or damages.

An appropriate explosion-proof enclosure or intrinsically safe interface device must be used for hazardous area applications involving such things as (*but not limited to*) ignitable mixtures, combustible dust and flammable materials.

Pressure and temperature limitations shown on individual catalog pages and drawings for the specified level switches must not be exceeded. These pressures and temperatures take into consideration possible system surge pressures/temperatures and their frequencies.

Selection of materials for compatibility with the media is critical to the life and operation of GEMS level switches. Take care in the proper selection of materials of construction; particularly wetted materials.

Life expectancy of switch contacts varies with applications. Contact GEMS if life cycle testing is required.

Ambient temperature changes do affect switch set points, since the specific gravity of a liquid can vary with temperature.

Level switches have been designed to resist shock and vibration; however, shock and vibration should be minimized.

Liquid media containing particulate and/or debris should be filtered to ensure proper operation of GEMS products.

Electrical entries and mounting points may require liquid/vapor sealing if located in an enclosed tank.

Level switches must not be field repaired.

Physical damaged sustained by the product may render it unserviceable.



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