LS-350: Operating Principle

The LS-350 Series provides two functions:

1. liquid level monitoring and
2. fluid fill or extraction access.

The latter function is accomplished with an integrated siphon tube that runs parallel to the float sensor stem and through the top mounting; it is commonly topped with a barb (or customer specified) fitting for the connection of flexible tubing.

Fluid level sensing is accomplished with magnetic reed switch technology. One or more floats encircling a stationary stem are equipped with powerful, permanent magnets. As a float rises or lowers with liquid level, the magnetic field generated from within the float actuates a hermetically sealed magnetic reed switch mounted inside the stem.

The switch actuation may be used for alarm, solenoid, pump or other fluid control operations.