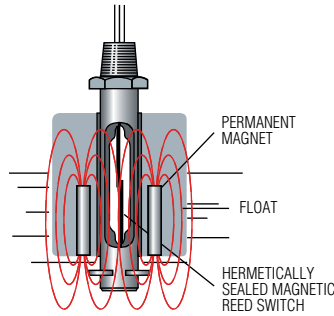


# Float Type Level Switches

## Single Point

GEMS Level Switches operate on a direct, simple principle. In most models, a float encircling a stationary stem is equipped with powerful, permanent magnets. As the float rises or lowers with liquid level, the magnetic field generated from within the float actuates a hermetically sealed, magnetic reed switch mounted within the stem. The stem is made of non-magnetic metals or rugged, engineered plastics. When mounted vertically, this basic design provides a consistent accuracy of  $\pm 1/8$  inch. Multi-station versions use a separate reed switch for each level point being monitored.

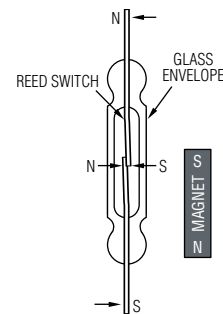


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Side-mounted units use different actuation methods because of their horizontal attitude. The basic principle, however, is the same: as a direct result of rising or falling liquid, a magnetic field is moved into the proximity of a reed switch, causing its actuation.

## Reed Switch Reliability

The durable construction of these reed switch designs ensures long, trouble-free service. Because the effects of shock, wear and vibration are minimized, these hermetically sealed switches provide precise repeatability with no more than 1% deviation. The switch actuation points remain constant over the life of the unit. See "Reed Switch Protection" in Appendix X for information on extending the life of GEMS Level Switches.



## Wide Variety

### Top/Bottom Mounting



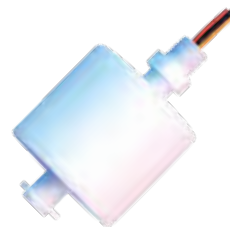
LS-3



LS-1700



LS-1950



LS-1900TFE

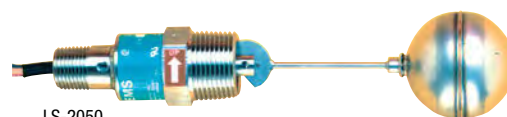
### Side Mounting



LS-7 Plastic



LS-7 Alloy



LS-2050

### Specialty



Bottles



Slosh Shield



Leak Detector

Additional technical information can be found in Appendix X.