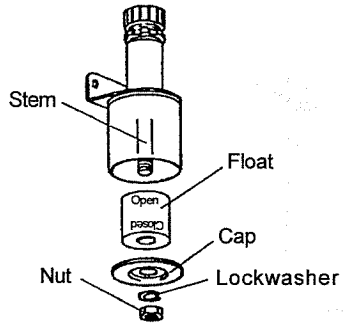
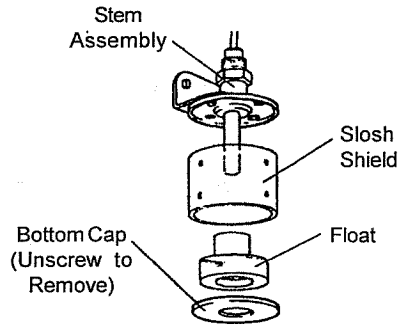
Maintenance. ..

Elastomer seals in sensor and cable are subject to deterioration and aging, and should be periodically checked. An occasional cleaning when excessive contamination is present is the only maintenance normally required. **To clean:** Note attitude of float on stem and disassemble from unit. Wipe down components and reassemble. **Be sure to reassemble float in original attitude.**

Float Attitude
For N.O. (Dry) Operation



LS-240-3 Disassembly To Invert Float or Clean Unit



P/N 12334 Unit
Disassembly for 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.

P/N 72943
Rev. K

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LS-240 Bilge Switch & Flooding Alarm Switch P/N 12334

Instruction Bulletin No. 72943

GEMS slosh-shielded units provide extremely stable point level detection in turbulent liquids, as well as protection against foreign materials. Both units are suited for seawater, gasoline and other fuels, hydraulic and lube oils. P/N 12334 detects a 3/4" minimum level.

Specifications ...

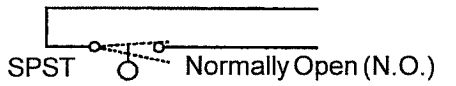
	LS-240-3	P/N 12334
Stem	Phos. Bronze or 5S	Brass
Mounting Bracket	Copper Nickel	Copper Nickel
Float	Buna N	Polyurethane
Slosh Shield	Polycarbonate	Polycarbonate
Other Wetted Mat'l.	Sil. Bronze, Epoxy, Nylon	SS, Bronze
Oper. Temperature	+180°F, Max.	0° to +150°F at Atmospheric Pressure
Pressure Rating	50 psig, Max.	
Switch	SPST, 15 VA, N.C./N.O. (Dry)	SPST, 10 VA, N.O. (Dry)
Cable	LSDCOP 1 1/2, 2-COND 18 AWG, .310" 0.D. (Supplied As Option)	LSDCOP 1, MIL-C-24643 10Ft. LG. (Supplied As Standard)
Electrical Connection	Wire Leads 6" LG.	5/8"-18 Thread for Flaired Tube Connector

Switch Ratings - Max. Resistive Load

VA	Volts	Amps AC	Amps DC
10	0-50	.2	.13
	120	.08	.05
	240	.04	.02
15	0-50	.3	.2
	120	.12	.08
	240	.06	.04

Typical Wiring Diagrams

LS-240-3



P/N 12334