

# **Specialty Switches**

## **GEMS** Excels in Switches for Special Requirements

The products below are examples of the custom engineering GEMS can provide to meet specific application needs. These units are ideal for use in oils and water.



Level monitoring and temperature switch in a single unit. Intermediate in size; single-setting temperature sensor is in bottom of stem.



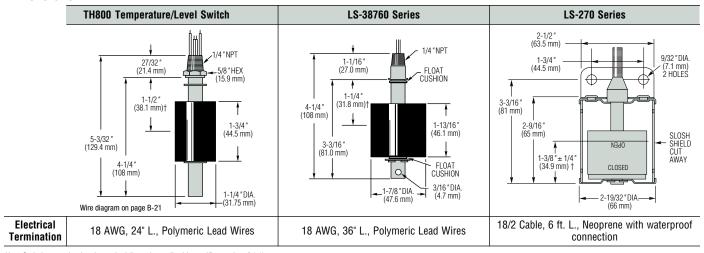
Cushioned float and switch for turbulent liquids or excessive vibration. Easily grounded. Ideal for tank trucks, construction equipment or mobile applications. LS-270 Series – Bracket Mounting Slosh Shield

U.L. Recognized - File No. E45168

P No. E45168

Small, lightweight, and extremely stable in nonstatic, highly contaminated liquids. Slosh shielding minimizes effects of turbulence and helps prevent interference by foreign material. Bracket-mounted to any convenient surface.

#### **Dimensions**



 $\dagger L_{i}$  = Switch actuation level, nominal (based on a liquid specific gravity of 1.0).

LS-270 Series Note: Installed vertically with cable upward. Caution: Elastomer seals in the sensor and cable are subject to deterioration and aging, and therefore need to be checked regularly. Life expectancy of seals varies with application.

### How To Order - Select Part Number based on specifications required.

Series	Material			Min. Lig.		Pressure	Switch <sup>1</sup>		Part
	Stem and Mounting	Float	Other Wetted	Sp. Gr.	Operating Temperature	PSI, Max.	Level SPST	Temperature <sup>3</sup>	Number
TH800 Temp./ Level	Brass	Buna N	Beryllium	.75	Water: to 180°F (82°C) Oil: -40°F to +230°F (-40°C to +110°C)	150	20 VA, N.O.	N.C., open on +150°F ±10°F, incr.	57143 <i>f</i>
			Copper, Hysol					N.O., close on +150°F ±10°F, incr.	57144 <i>f</i>
LS-38760	Aluminum	Buna N	S.S., Hysol	.55	-40°F to +180°F (-40°C to +82°C)	150	20 VA, N.C.	_	38760
LS-270	316 S.S.	Buna N	Beryllium	.55	-40°F to +140°F (-40°C to +60°C)	150	20 VA, N.O.		43765 🗲
			Copper, Copper				20 VA, N.C.		43760 🗲
			Nickel, Polycarb.				50 VA <sup>2</sup> , N.O.		43980 🗲
			304 S.S.				50 VA <sup>2</sup> , N.C.		43982 🗲

#### Notes

- 1. See "Electrical Data" on Page X-5 for more information.
- 2. Switches are not U.L. Recognized or CSA Listed.
- 3. See Page B-21 for thermostat ratings and wiring diagram. Other temperature settings are available; consult factory.