

# L180 / L190 SERIES

## INTERMEDIATE & LARGE FLOAT SWITCHES IDEAL FOR OILS & WATER

### DESCRIPTION

The intermediate-sized L180 and large-sized L190 are equipped with a Buna-N float that provides optimum displacement and excellent stability in both oils and water. An optional stainless steel float is also available to accommodate aggressive environments. The two models are rated for system pressures up to 150 PSIG and temperatures up to 180° F. The L190, however, is best suited for highly-viscous fluids.

### PRINCIPLE OF OPERATION

A hermetically-sealed reed switch is actuated by an internal magnet within the float. As the float rises and falls with the liquid level, the magnetic field passes the switch encapsulated within the stem and results in a switch state change.

### KEY FEATURES

- Excellent in Oils & Water
- Single-Stage Vertically-Mounted
- Broad Media Capability
- Interchangeable NO or NC Operation By Float Inversion
- L190 Series For High-Viscosity Liquids
- SPST 50 VA Switch (Standard)

### APPLICATIONS

- Food Processing Equipment
- Food Warmers
- Food Dispensing Systems
- Storage Tanks
- Fuel Dispensing Systems
- Humidity Control Equipment

### ELECTRICAL

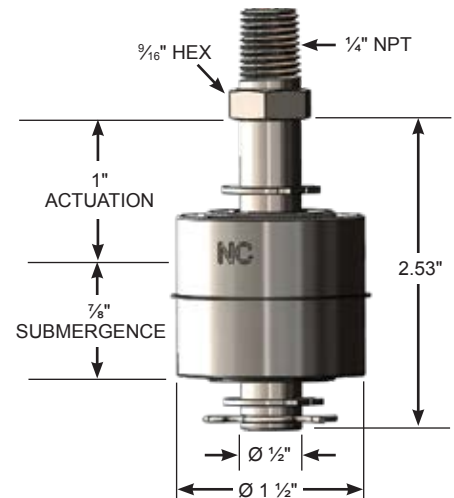
- Switch Ratings: SPST 20 VA, SPST 50 VA, SPST 100 VA or SPDT 30 VA

### SPECIFICATIONS

SERIES	MOUNT	STEM/FLOAT	SG*	TEMPERATURE	PRESSURE
L180	1/8" NPT	Brass/Buna	0.64	-40 to +180° F (-40 to +82.2° C)	150 PSIG (10.3 bar)
L180	1/8" NPT	Stainless Steel/Buna	0.64	-40 to +180° F (-40 to +82.2° C)	150 PSIG (10.3 bar)
L190	1/4" NPT	Brass/Buna	0.57	-40 to +180° F (-40 to +82.2° C)	150 PSIG (10.3 bar)
L190	1/4" NPT	Stainless Steel/Buna	0.57	-40 to +180° F (-40 to +82.2° C)	150 PSIG (10.3 bar)
L190	1/4" NPT	Stainless Steel/Stainless Steel	0.80	-40 to +300° F (-40 to +148.9° C)	120 PSIG (8.27 bar)
L190	1/4" NPT	PVC/Buna	0.57	-40 to +140° F (-40 to +60° C)	150 PSIG (10.3 bar)



### DIMENSIONS



\*SG refers to the recommended minimum liquid specific gravity.

