

L190S SERIES

SHIELDED LEVEL SWITCHES FOR TURBULENT & DIRTY LIQUIDS

DESCRIPTION

The L190S Shielded Liquid Level Switch provides accurate and stable level detection in turbulent, highly-contaminated, non-static liquids. A slosh shield protects the float switch by minimizing effects from tank motion and potential particle interference. The L190S performs in both, oil and water applications. It serves as the perfect solution for level detection in wells, sumps, mobile tanks, filtration systems, and any other application where moving liquid and heavy particles exist.

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

- Equipped with Buna-N or Stainless Steel Float
- Fully Shielded Movement
- Universal Side Mounting Capabilities
- SPST or SPDT Switch Options

ENVIRONMENTAL

- Maximum Temperature: +300 °F (+148.9 °C)
- Maximum Pressure: 150 PSIG (10.3 bar)

SPECIFICATIONS





SERIES	MOUNT	FLOAT	SG*	TEMPERATURE	PRESSURE
L190S	316 SS	Buna	0.57	-40 to +180 °F (-40 to +65.5 °C)	150 PSIG (10.3 bar)
L190S	316 SS	316 SS	0.80	-40 to +300 °F (-40 to +148.9 °C)	120 PSIG (8.3 bar)

*SG refers to the recommended minimum liquid specific gravity.

ELECTRICAL

- Switch Ratings:
SPST 50 VA
SPST 100 VA
SPDT 20 VA
SPDT 100 Watt

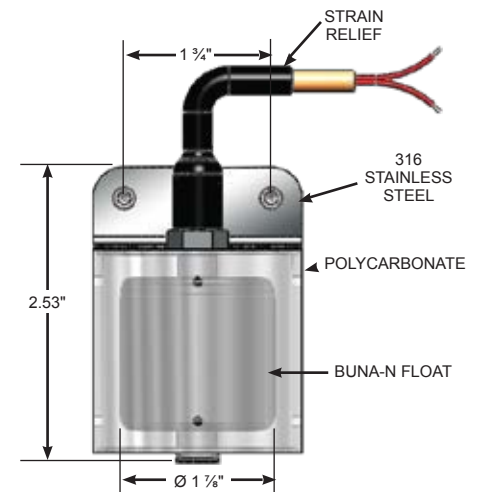
APPLICATIONS

-  Sumps & Wells
-  Bilges
-  Mobile Tanks
-  Storage Tanks



L190S

DIMENSIONS



L190S