

L070 SERIES

SIDE-MOUNT FLOAT SWITCHES FOR HAZARDOUS LOCATIONS

DESCRIPTION

The horizontally-mounted L070 is a rugged, hazardous duty level switch equipped with a safe, isolated switch enclosure for monitoring high and low liquid levels. Its all stainless steel construction and ultra-light float provide high performance capabilities in almost any media and the ability to sense dissimilar fluid interfaces within a 0.1 differential. The L070 is FM-approved for Class I, Div I, Groups A, B,C, D, E, F & G hazardous locations and is available as a high pressure model L070HP, which is capable of withstanding pressures up to 5,000 PSIG. Both designs feature ½" NPT conduit connections and can be installed for either normally-open or normally-closed operation.



L070

PRINCIPLE OF OPERATION

An encapsulated magnet within the float assembly actuates a hermetically-sealed reed switch located in a separate chamber. As the magnetic field approaches or moves from the switch, it creates an open or closed circuit.

KEY FEATURES

- All Stainless Steel Construction
- Available Up to 5,000 PSIG
- Interface Capabilities
- On-Board 5 Amp DPDT Relay Option
- Interchangeable NO or NC Operation
- Operates on Rising or Falling Level
- Reliable Reed Switch Action
- UL, FM & CSA Approved

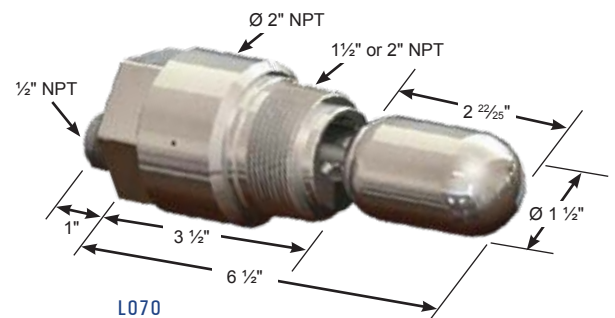
ENVIRONMENTAL

- Process Connections: 1½", 2" NPT (Other Connections Available)

ELECTRICAL

- Switch Rating: SPST 100 VA (240 Volts AC/DC Max. Resistive)
SPDT 100 VA

DIMENSIONS



L070

SPECIFICATIONS

*SG refers to the recommended minimum liquid specific gravity.

SERIES	MOUNT	STEM/FLOAT	SG*	TEMPERATURE	PRESSURE
L070	1 ½" NPT	316 Stainless Steel	0.40	-40 to +300° F (-40 to +148.9 °C)	1,500 PSIG (103.4 bar)
L070	2" NPT	316 Stainless Steel	0.40	-40 to +300° F (-40 to +148.9 °C)	1,500 PSIG (103.4 bar)
L070	2" #150 Flange	316 Stainless Steel	0.40	-40 to +300° F (-40 to +148.9 °C)	175 PSIG (12.1 bar)
L070	2½" #150 Flange	316 Stainless Steel	0.40	-40 to +300° F (-40 to +148.9 °C)	175 PSIG (12.1 bar)
L070	3" #150 Flange	316 Stainless Steel	0.40	-40 to +300° F (-40 to +148.9 °C)	175 PSIG (12.1 bar)
L070	2" #300 Flange	316 Stainless Steel	0.40	-40 to +300° F (-40 to +148.9 °C)	455 PSIG (31.4 bar)
L070	2½" #300 Flange	316 Stainless Steel	0.40	-40 to +300° F (-40 to +148.9 °C)	455 PSIG (31.4 bar)
L070	3" #300 Flange	316 Stainless Steel	0.40	-40 to +300° F (-40 to +148.9 °C)	455 PSIG (31.4 bar)
L070HP	2" NPT	Stainless Steel/Titanium	0.40		5,000 PSIG (344.7 bar)

