

SINGLE-STAGE VERTICAL MOUNT



L003U

DESCRIPTION

The miniature L003U Ultra Low-Level Float Switch offers reliable and economical low-level switching for a wide variety of applications and media. Comprised of polypropylene or polysulfone/buna materials, this compact device is capable of actuating in levels as low as $\frac{3}{8}$ ". The switch can be top-mounted with a standard $\frac{1}{8}$ " NPT or $\frac{3}{8}$ " - 24 thread mounting. An adhesive-backed mounting surface also enables the L003U to be mounted alternatively at the bottom of a tank. With a larger displacement than other sub-compact models and various material options, the L003U is suitable for unlimited types of water-based, oil-based, low-density and ultra pure liquid media.

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 causes the contact to either open or close.

KEY FEATURES

- Operates In As Low As $\frac{3}{8}$ " of Water
- Compact Size, Ideal for Shallow Tanks
- Base or Top-Mounted
- FDA-Approved Material Options
- Special Cable and Connector Options

ENVIRONMENTAL

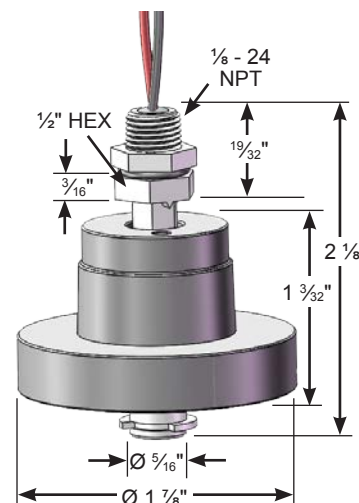
- Maximum Temperature: +180° F (+82.2° C)
- Maximum Pressure: 150 PSIG (10.3 bar)

ELECTRICAL

- Switch Ratings:
SPST 50 VA
SPST 100 VA
SPDT 3 VA

APPLICATIONS

- Condensate Pans
- Humidifiers & Dehumidifiers
- Steam Tables
- Chemical Storage



SPECIFICATIONS

SERIES	MOUNT	STEM/FLOAT	SG*	TEMPERATURE	PRESSURE
L003U	$\frac{1}{8}$ " NPT	Polypropylene (Solid)	0.90	-40° to +150° F (-40° to +65.5° C)	150 PSIG (10.3 bar)
	$\frac{3}{8}$ " - 24	Polypropylene (Solid)	0.90	-40° to +150° F (-40° to +65.5° C)	150 PSIG (10.3 bar)
	$\frac{1}{8}$ " NPT	Polypropylene/Buna	0.63	-40° to +150° F (-40° to +65.5° C)	150 PSIG (10.3 bar)
	$\frac{3}{8}$ " - 24	Polypropylene/Buna	0.63	-40° to +150° F (-40° to +65.5° C)	150 PSIG (10.3 bar)
	$\frac{1}{8}$ " NPT	Polysulfone/Buna	0.63	-40° to +180° F (-40° to +82.2° C)	150 PSIG (10.3 bar)
	$\frac{3}{8}$ " - 24	Polysulfone/Buna	0.63	-40° to +180° F (-40° to +82.2° C)	150 PSIG (10.3 bar)

*SG refers to the recommended minimum liquid specific gravity.

