

Small Size – Engineered Plastics

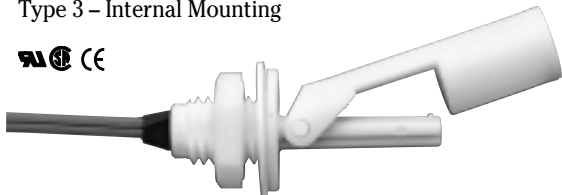
LS-7 Series–Compact Side Mounts are the Solution to Many Small Tanks

These low-cost units are ideal for high volume use in small tanks and vessels. Engineered plastics construction offers broad compatibility in water, oils and chemicals.

NEW!

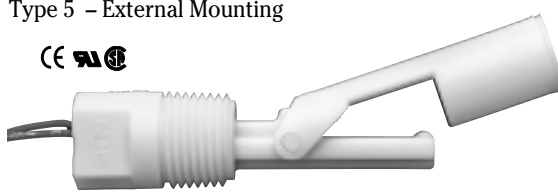
LS-7 switches now feature improved watertight electrical termination.

Type 3 – Internal Mounting



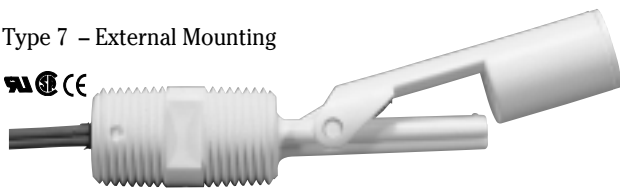
Polypropylene or Nylon

Type 5 – External Mounting



Polypropylene, Nylon or Versaplast™ (a proprietary blend of PPS and Nylon)

Type 7 – External Mounting



Polypropylene or Nylon; conduit connection

Type 10 – External Mounting

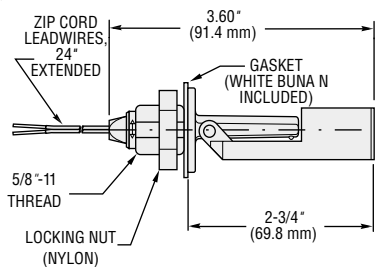


Externally mounts through and seals non-threaded holes using a buna-n compression gasket.

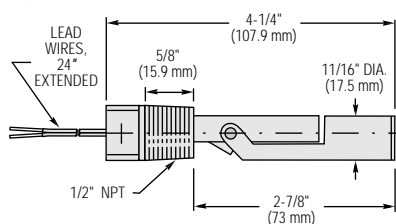
LEVEL SWITCHES

Dimensions

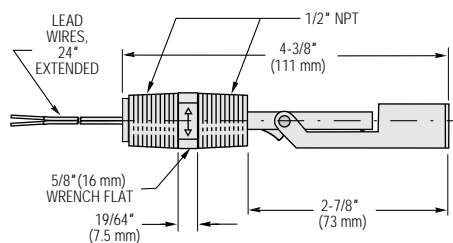
Type 3



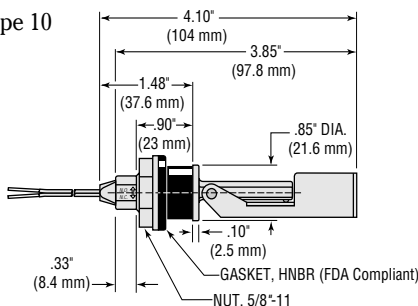
Type 5



Type 7



Type 10



Note: Recommended hole size = 7/8" thick panel.

- ▶ Nylon and Versaplast® are ideal for oils and fuels, with Versaplast® allowing higher temperatures.
- ▶ NSF-Approved polypropylene is ideal for potable water and broad chemicals.

Common Specifications

Switch Rating*: SPST, 20VA

Lead Wire Gauge: No. 22 AWG

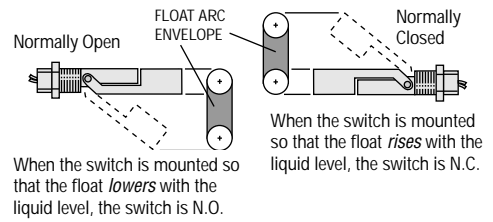
Approvals: All LS-7 Series switches on this page are U.L. Recognized – File No. E45168, and are CSA Listed- File No. 30200. Polysulfone Material is FDA and NSF Compliant.

Mounting Attitude: Horizontal.

*See "Electrical Data" on Page D-4 for more information.

Switch Operation

Depending on the mounting position, the float on these switches can either rise or lower with the liquid level. By rotating the switch 180°, the switch operation can be Normally Open or Normally Closed. Arrows on exterior of mounting indicate N.O. when pointing up.



How To Order – Select Part Number based on specifications required.

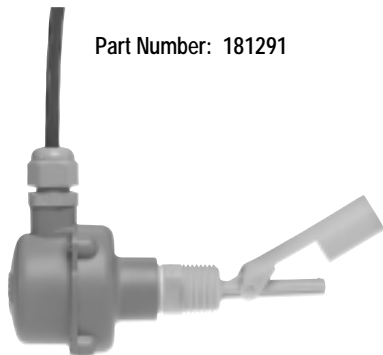
Mounting Type	Materials*			Min. Liquid Sp. Gr.	Operating Temperature	Operating Pressure, Max.	Float Arc Envelope	Part Number
	Stem and Mounting	Float	Lead Wire Jacket					
3	Nylon (13% Glass)		PVC	.65	-40° F to +250° F (-40° C to +121.1° C)	100 PSI @ 70° F	2.20	165570 ⚡
	Polypropylene (20% Glass)			.55	-40° F to +225° F (-40° C to +107.2° C)		2.20	164520 ⚡
	Versaplast®			.80	-40° F to +300° F (-40° C to +149° C)		2.20	182600
5	Polypropylene (20% Glass)		PVC	.55	-40° F to +225° F (-40° C to +107.2° C)	100 PSI @ 70° F	1.25	131100 ⚡
	Nylon (13% Glass)			.65	-40° F to +250° F (-40° C to +121.1° C)		1.25	140620 ⚡
	Versaplast®			.80	-40° F to +300° F (-40° C to +149° C)		1.25	177100 ⚡
7	Polypropylene		TPE†	.55	-40° F to +225° F (-40° C to +107.2° C)	100 PSI @ 70° F	1.50	160450 ⚡
	Nylon			.65	-40° F to +250° F (-40° C to +121.1° C)		1.50	160460
10	Polypropylene (20% Glass)		TPE†	.55	-40° F to +225° F (-40° C to +107.2° C)	50 PSI @ 70° F	2.08	165800 ⚡
	Nylon (13% Glass)			.65	-40° F to +250° F (-40° C to +121.1° C)		2.08	165900
	Versaplast®			.80	-40° F to +300° F (-40° C to +149° C)		2.08	182700

* Polysulfone and Ryton® R-4 are available upon request.
 † Thermoplastic Elastomer Zip Cord.
 ⚡ – Stock Items.

See alloy versions on next page.

LS-7 with 5 Amp Relay

- O-Ring Sealed, Water Resistant J-Box



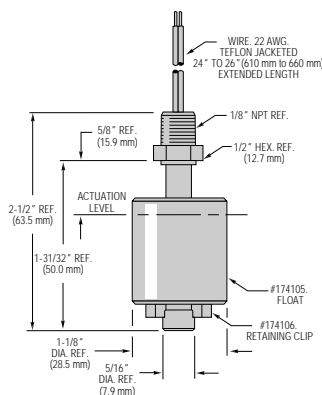
Part Number: 181291

An SPDT relay enables this LS-7 to control two independent loads up to 5 amps each. Switching N.O. for one load and N.C. for the other. This unit is designed to operate with a load connected to each of the two outputs. These loads must be 10 watts, minimum, for correct SPDT switching. One load used alone must be connected to the N.O. terminal. With this load, which may be less than 10 watts, the unit will operate the same as an SPST unite.

Specifications

J-Box with 5A Relay	120 VAC 50/60 Hz Contacts: 5A – 240 VAC Res 1/3 HP – 120 VAC 5A – 28 VDC Res
LS-7 Unit	See specifications for Part Number 160450 above

LS-1700 TFE – A Medium Size Solution for Ultra-Pure Liquid Level Sensing



- ▶ Low Particle Generation
- ▶ Corrosion Resistant PTFE

Operating Temperature: +32°F to +212°F (0°C to +100°C)
Operating Pressure, Max: 25PSI @ 70°F (21°C)
Min. Liquid Specific Gravity: .86
Switch*: SPST, 20VA

*See "Electrical Data" on Page D-4 for more information.

How To Order – Select Part Number based on switch operation.

Switch Operation	Part Number
Normally Open	174100
Normally Closed	174200