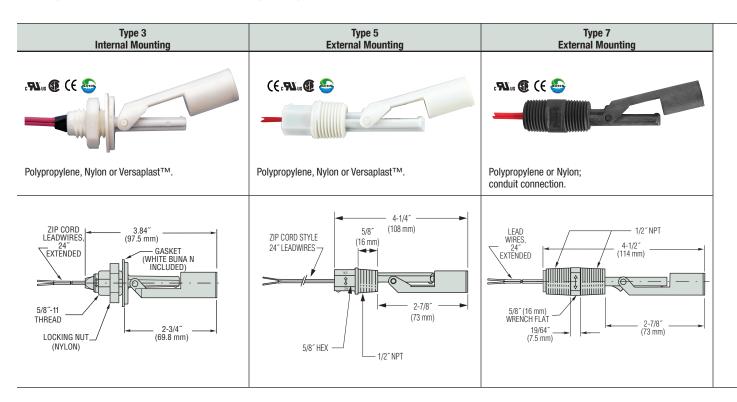


Small Size - Engineered Plastics

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.



Common Specifications

Switch Rating*: SPST, 20VA Lead Wire Gauge: No. 22 AWG Mounting Attitude: Horizontal.

RoHS: In compliance with EU-directive 2011/65/EC requirements for chemicals and substances.

Approvals

Material	CE	UL Recognized File No. E45168	cUL Recognized	CSA Listed- File No. 30200	NSF Listed Mat. Std. 169	
Nylon	Х	Х	Х	Х		
Polypropylene	Х	Х	Х	Х	Х	
Noryl®	Х	Х	Х		Х	
Versaplast™	Х	Х	Х			

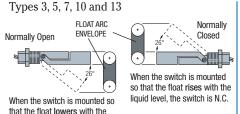
Media Compatibility

Media	LS-7 Compatible Types
Oil, Fuel, Hydrocarbons	Nylon
Broad Range of Chemicals and Water	Polypropylene
Limited Chemicals and Water	Noryl [®]
Oil, Antifreeze, High Temperatures, Corrosive Fluids, Various Chemicals	Versaplast™

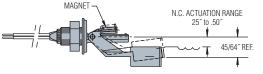
Switch Operation

liquid level, the switch is N.O.

Depending on the mounting position, the float on these switches can rise or lower with the liquid level. By rotating the switch 180°, the switch operation can be Normally Open or Normally Closed (except Type



Type 12 - N.C. "Drop Float" Design

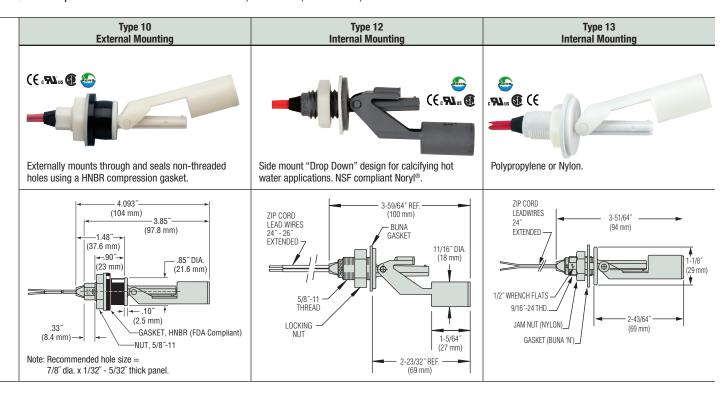


The LS-7 Type 12 is ideal for use on food warmers, hot water heaters, steam cookers, small boilers or wherever water evaporation occurs. The switch is used effectively for either high fluid level alarms or water make up systems. The units are made of Noryl®, which carries NSF approval for use in potable water, and are supplied with FDA-approved Buna gaskets.



See "Electrical Data" on Page X-5 for more information.

- Nylon is ideal for oils and fuels.
- NSF Standard 169 polypropylene is ideal for potable water and broad chemicals.
- Versaplast™ is ideal for corrosive fluids, hot water, antifreeze, chemicals and oils.



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

Mounting	Materials*		Min.		Operating	Float	Part	
Type	Stem and Mounting	Float	Lead Wire Jacket	Liquid Sp. Gr.	Operating Temperature	Pressure, Max.	Arc Envelope	Number
	Nylon		TPE [†]	.65	-40°F to +250°F (-40°C to +121.1°C)	100 psi @ 70°F - (6.8 bar @ 20°C)	2.20	165570 🗲
3	Polypropylene			.55	-40°F to +225°F (-40°C to +107.2°C)			164520 🗲
	Versaplast™			.80	-40°F to +250°F (-40°C to +121.1°C)			182600
	Polypropylene		TPE†	.55	-40°F to +225°F (-40°C to +107.2°C)	100 psi @ 70°F (6.8 bar @ 20°C)	1.25	131100 🗲
5	Ny	Nylon		.65	-40°F to +250°F (-40°C to +121.1°C)			140620 🗲
	Versaplast™		Teflon®	.80	-40°F to +300°F (-40°C to +148.9°C)			177100 🗲
5 - BSP	Versaplast™		TPE†	.80	-40°F to +250°F (-40°C to +121.1°C)	100 psi @ 70°F (6.8 bar @ 20°C)	1.25	189422
7	Polypro	pylene	TDE+	.55	-40°F to +225°F (-40°C to +107.2°C)	100 psi @ 70°F	4.50	160450 🗲
′	Ny	lon	TPE [†]	.65	-40°F to +250°F (-40°C to +121.1°C)	(6.8 bar @ 20°C)	1.50	160460 🗲
10	Polypro	pylene	TDE+	.55	-40°F to +225°F (-40°C to +107.2°C)	50 psi @ 70°F	0.00	165800 🗲
10	Nylon		- TPE [†]	.65	-40°F to +250°F (-40°C to +121.1°C)	(3.4 bar @ 20°C)	2.08	165900
12	No	ryl®	TPE†	.80	-40°F to +225°F (-40°C to +107.2°C)	100 psi @ 70°F (6.8 bar @ 20°C)	.70	191080 🗲
13	Polypro	ppylene	TPE†	.55	-40°F to +225°F (-40°C to +107.2°C)	100 psi @ 70°F (6.8 bar @ 20°C)	2.20	197050

 $^{^{\}star}$ Polysulfone and Ryton® R-4 are available upon request.

Note: NSF 169 Versions available. Contact factory.

See alloy versions on next page.

[†] Thermoplastic Elastomer Zip Cord, 22 AWG.



Small Size - Alloys

LS-7 Series Compact Alloy and Alloy/Plastics Side Mounts

Built for durability, our LS-7 Series switches utilize stainless steel, or zinc bodies. Ideal for any small tank or vessel destined for a rugged environment. All-stainless steel material of construction of Types 9 and 11 is generally recognized as safe with FDA for food contact regulations.

Common Specifications

Switch Rating*: SPST, 20VA

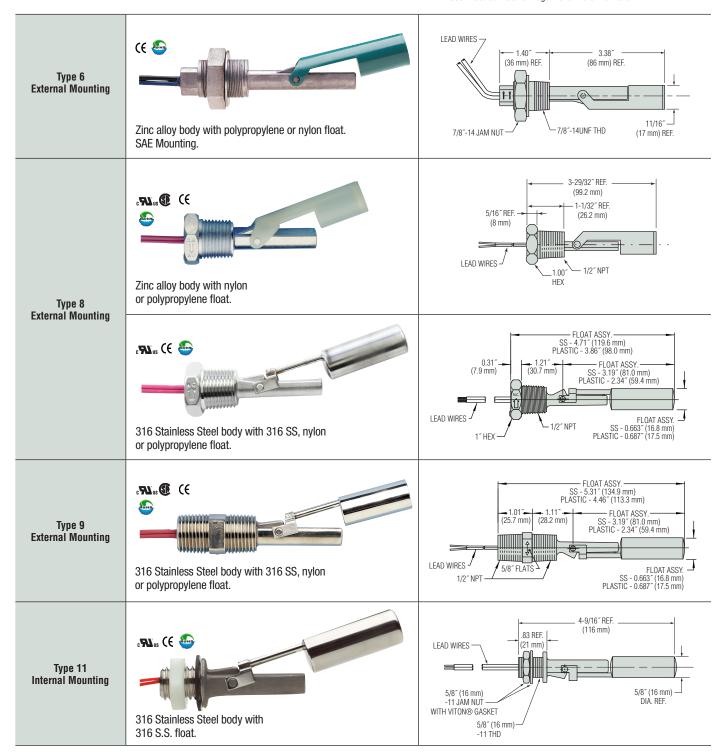
Lead Wire: 22 AWG, 24"-27" Extended

Mounting Attitude: Horizontal.

RoHS: In compliance with EU-directive 2011/65/EC require-

ments for chemicals and substances.

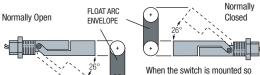
*See "Electrical Data" on Page X-5 for more information.



FLOAT TYPE

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.



When the switch is mounted so that the float **lowers** with the liquid level, the switch is N.O.

When the switch is mounted so that the float rises with the liquid level, the switch is N.C.

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

Mounting	Materials			Min.		Onovotina	Floot Aro	Dout
Mounting Type	Stem and Mounting	Float	Lead Wire Jacket	Liquid Sp. Gr.	Operating Temperature	Operating Pressure, Max.	Float Arc Envelope	Part Number
6	Zinc	Nylon	· TPE†	.65	-40°F to +250°F (-40°C to +121°C)	100 psi @ 70°F	1.36	155660 🗲
0	Alloy*	Polypropylene		.75	-40°F to +225°F (-40°C to +107°C)	100 psi @ 70°F	1.36	179870
	Zinc Alloy*	316 S.S.	TPE [†]	.80	-40°F to +250°F (-40°C to +121°C)	300 psi @ 70°F	1.43	249315
		Nylon		.65	-40°F to +250°F (-40°C to +121°C)	100 psi @ 70°F	1.40	160950 🗲
8		Polypropylene		.55	-40°F to +225°F (-40°C to +107°C)	100 psi @ 70°F	1.40	162795 🗲
8	316 Stainless Steel	316 S.S.	TPE†	.80	-40°F to +250°F (-40°C to +121°C)	300 psi @ 70°F	1.43	249315
		Nylon		.65	-40°F to +250°F (-40°C to +121°C)	100 psi @ 70°F	1.40	247390
		Polypropylene		.55	-40°F to +250°F (-40°C to +121°C)	100 psi @ 70°F	1.40	247380
	316 Stainless Steel	316 S.S.	TPE†	.80	-40°F to +250°F (-40°C to +121°C)	300 psi @ 70°F	1.43	164870 🗲
9		Nylon		.65	-40°F to +250°F (-40°C to +121°C)	100 psi @ 70°F	1.40	164850 🗲
		Polypropylene		.55	-40°F to +225°F (-40°C to +107°C)	100 psi @ 70°F	1.40	164860 🗲
11	316 Stainless Steel		Teflon®	.80	-40°F to +250°F (-40°C to +121°C)	300 psi @ 70°F	1.65	179445

[†]Thermoplastic Elastomer Zip Cord.

*Zinc Alloy Material Note:

When mounted in certain cathodic metals, including stainless steel, and used in water-based liquids, galvanic corrosion may occur. Consult factory for information.