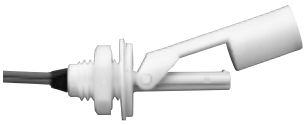
Single Point Level Switches LS-6/LS-7

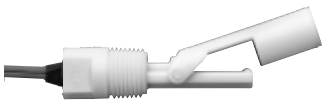
Small Size - Engineered Plastics, Side Mount

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. The high temperature capability of Versaplast offers an alternative to high cost stainless steel switches.

LS-6
Horizontal Mounting through a 1/2" diameter hole in the tank wall

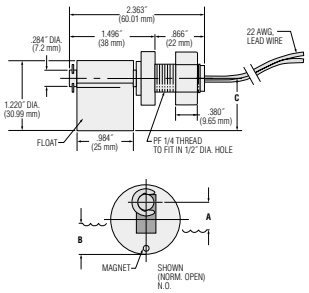


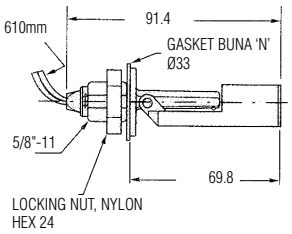
LS-7 Type 3
Internal Mounting

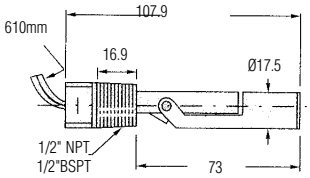


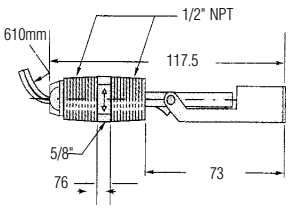
Type 5
External Mounting

Type 7
External Mounting









Specifications

	LS-6	LS-7 Type 3	Type 5	Type 7
Materials				
Stem/mounting	Polypropylene**	Versaplast Polypropylene** Nylon*	Versaplast Polypropylene** Nylon*	Versaplast Polypropylene** Nylon*
Float option	Polypropylene**		Stainless Steel	
Lead wire jacket	TPE***	TPE***	TPE***	TPE***
Min. specific gravity of the liquid Versaplast PP Nylon	0.90	0.80 0.55 0.65	0.80 0.55 0.65	0.80 0.55 0.65
Operating temperature -40°C to Versaplast PP Nylon	107°	121°C**** 107°C 121°C	150°C 107°C 121°C	150°C 107°C 121°C
Operating pressure Max @ 25°C	7 bar	7 bar	7 bar	7 bar
Switch SPST	SPST, 50 VA	20 VA	20 VA	20 VA
Lead wire gauge (Approx 0.6m long)	22 AWG	22 AWG	22 AWG (18 AWG Nylon)	18 AWG
Float arc	23mm	55mm	32mm	38mm
Protection rating	IP65	IP65	IP65	IP65
Weight approx.	30g	80g	60g	70g

* Not suitable for long term use in water.
** Not suitable for Hydrocarbons
*** Thermoplastic Elastomer Zip Cord
**** Limited by gasket to 121°C
Versaplast (Ryton [80%] + Nylon [20%] is suitable for both water and Hydrocarbons)

How To Order

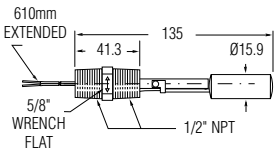
	LS-6	LS-7 Type 3	Type 5 NPT	R1/2 (BSPT)	Type 7 NPT
Polypropylene Float	203740	**164520**	131100	**189423**	160450
Nylon Float	-	**165570**	140620	**189421**	160460
Versaplast Float	-	**182600**	177100	**189422**	188800
Stainless Steel Float	-	–	181625	–	–

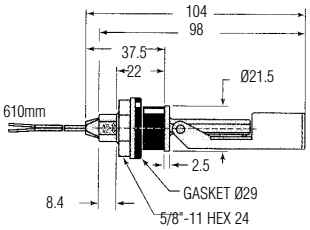
Standard Products in **bold**

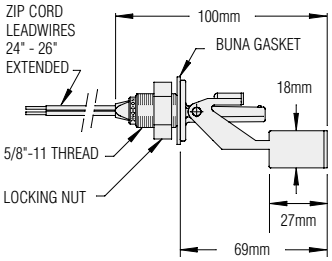
Type 9
External Mounting

Type 10
External Mounting
Mounts and seals through non-threaded hole Ø22 using an HNBR compression gasket. Wall thickness 0.5 to 4mm

Type 12
External Mounting (NC only)







Specifications

	Type 9	Type 10	Type 12
Materials **Stem/mounting**	316 Stainless Steel	Versaplast Polypropylene** Nylon*	Noryl** 27mm
Float option	316 Stainless Steel/Nylon*/Polypropylene**		
Lead wire jacket	TPE***	TPE***	TPE***
Min. specific gravity of the liquid	0.80 Stainless Steel 0.65 Nylon 0.55 PP	0.80 Versaplast 0.55 PP 0.65 Nylon	0.80 Noryl
Operating temperature -40°C to	150°C Stainless Steel 121°C Nylon 107°C PP	121°C **** Versaplast 107°C PP 121°C Nylon	107°C
Operating pressure Max @ 25°C	20 bar Stainless Steel 7 bar Nylon / PP	3.5 bar	7 bar
Switch SPST	20 VA	20 VA	20 VA
Lead wire gauge (Approx 0.6m long)	18 AWG	22 AWG	22 AWG
Float arc	36mm	53mm	18mm
Protection rating	IP65	IP65	IP65
Weight approx.	150g	90g	70g

* Not suitable for long term use in water.
** Not suitable for Hydrocarbons
*** Thermoplastic Elastomer Zip Cord
**** Limited by gasket to 121°C
Versaplast (Ryton [80%] + Nylon [20%] is suitable for both water and Hydrocarbons)

How To Order

	Type 9	Type 10	Type 12
Nylon Float	164850	**165900**	
Polypropylene Float	164860	**165800**	–
Stainless Steel Float	164870	–	–
Noryl Float	–	–	191080
Versaplast Float	–	**182700**	–

Standard Products in **bold**