

Series BLS-1800 / BLS-1950

- Intermediate Size Float
- Internal, Top or Bottom Mounting
- Broad Media Compatibility




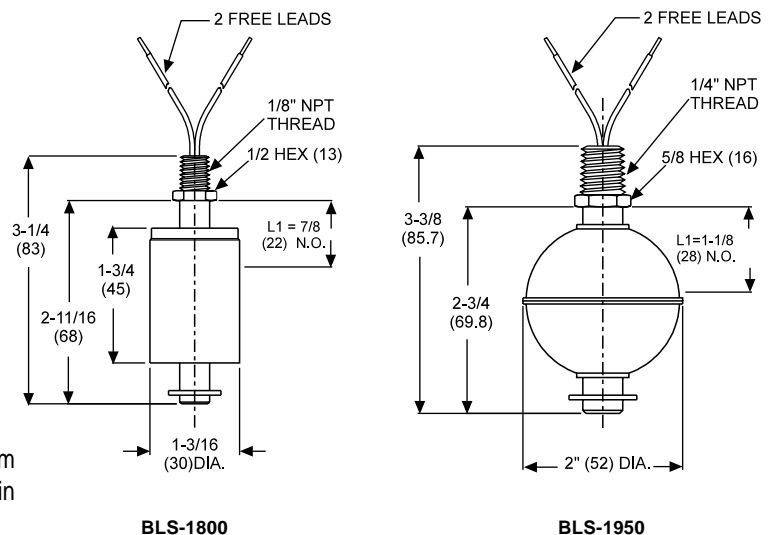
BLS-1800
Buna N Float Model Shown

Product Choices

Wetted Materials	316 Stainless Steel Brass with Beryllium Copper Stop Buna N
Float Stop	PH15-7 or Beryllium Copper
Mounting	1/8" NPT (BLS-1800) 1/4" NPT (BLS-1950)
Electrical Ratings	10 or 20 VA @ 120 VAC SPST or 50 VA @ 240 VAC SPST
Options†	5 or 50 VA @ 120 VAC SPDT 50 or 100 VA @ 240 VAC SPST

Specifications

Mounting Attitude	Vertical ±30°
Electrical Connection	24" (610mm) Free Leads #22 AWG, PVC Jacket
Approvals	UL File E42816  CSA File LR22355
Switch operation	Selectable, N.O. or N.C.



By inverting the float 180°, the switch contact can be changed from N.O. to N.C. (or vice-versa). Units are shipped N.O. as installed in a dry (empty) tank, mounted as illustrated.

Accessories

See Page 17 for complete line of accessories.

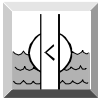
† Consult factory for additional options

L_1 = Nominal Switch Actuation Level (based on a specific gravity of 1.0)
 L_1 = Normally Open, as Shown
 L_1 = Normally Closed 1-1/16" Buna N, 1-11/16" Stainless Steel

Series	Mounting	Materials		Liquid Specific Gravity	Operating Temperatures**	Maximum Operating Pressure	Switch* SPST	Catalog Number
		Stem and Mounting	Float					
BLS-1800	1/8" NPT	Brass	Buna N	0.65 (min.)	Water: to 180 F (82 C) Oil: -40 to 220 F (-40 to 105 C)	160 psig (10 Bar)	10 VA	L180001
							20 VA	L180005
		316 Stainless Steel					10 VA	L180011
							20 VA	L180015
BLS-1950	1/4" NPT	316 Stainless Steel	316 Stainless Steel	0.70 (min.)	-40 to 220 F (-40 to 105 C)	750 psig (52 Bar)	10 VA	L195001
							20 VA	L195005

*See electrical data on page 16

** Higher temperatures available - please consult factory.



Level Switches

Electrical Data



Electrical Characteristics:

Hermetically-sealed, magnetically actuated, make and break type reed switches are used in all standard Barksdale level switches. We offer a wide range of electrical options to suit your requirements (see chart below). All standard level switches are supplied with 10 VA SPST reed switches rated at 120 VAC or 24 VDC. If other switches are needed, please specify when ordering. Unless otherwise specified, switches are shipped Normally Open (N.O.) SPST. The switch is open when there is no liquid in the tank or vessel.

Wire Codes:

All Barksdale level switches are supplied standard with #22 AWG or #18 AWG PVC insulated 24" free leads, depending upon the model. Other wire sizes and insulation materials are available to meet current, temperature or media requirements. The following table shows the wire color code for all single point level switches. Wire colors for the multipoint switches can be found on the respective data sheets.

Contact Rating / Mode	Electrical Ratings			Wire Colors		
	Volts	Amps AC	Amps DC	Wire Pairs Single Station		
10 VA / SPST	120 AC	0.1 General Use	-----	Red/Red		
	24-50 DC	-----	0.25			
	120 AC	0.1 General Use	-----	Blue/Blue		
	24-50 DC	-----	0.25			
	120 AC	0.1	-----	Orange/Orange		
	24-50 DC	-----	0.25			
20 VA / SPST	120 AC	0.1 General Use	-----	Yellow/Yellow		
	24-50 DC	-----	0.25			
	120 AC	0.1	-----	Violet/Violet		
	24 DC-50 DC	-----	0.25			
50 VA / SPST	120 AC	0.1	-----	White/White		
	240 AC	0.05*	-----			
	24 DC	-----	1.5	White/White		
	200 DC	-----	0.001			
100 VA / SPST	120 AC	0.4 General Use	-----	Black/Black		
	250 AC	0.2 General Use	-----			
Contact Rating / Mode	Electrical Ratings			Wire Colors - Single Station		
	Volts	Amps AC	Amps DC	Common	N.O.	N.C.
5 VA / SPDT	120 AC	0.1 General Use	-----	Red	Yellow	Black
	10 DC	-----	0.25 Resistive			
	24 DC	-----	0.1			
50 VA / SPDT	120 AC	0.05 N.C. 0.1 N.O.	-----	Red	Orange	Black
	24 DC	-----	0.25 N.C. 0.1 N.O.			

Electrical ratings in shaded areas are not U.L. Recognized.