

LF - Miniature Liquid Level Sensors



The LF Miniature Liquid Level sensors are designed for reliable operation in small tanks and containers. Their rugged design and multiple configurations make them the perfect solution for OEM and large volume applications.

Features

- Compact size
- Low cost
- Reliability/long switch life
- Shock resistive construction
- Can be used in a wide range of liquids

LF General Specifications and Options

Series

Model

LFE

LFE11P - **0A or 0B**
LFE12P - **0A or 0B**

LFE11R - **1A or 1B**

Switch action for the LFE is nonreversible.
Select A (NC) or B (NO)

Performance

Pressure Rating	7 psi (0.5 bar)	145 psi (10 bar)
Minimum S.G.	0.9	0.7

Environmental

Operating Temp.	14° to 194°F (-10° to 90°C)	
Liquids	Water	Hydraulic/lubricating oil

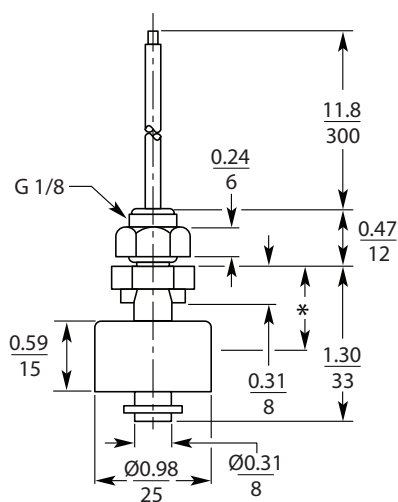
Electrical

Switch Rating (Model)	0A/0B	1A/1B
Max Capacity	10 VA	50 VA
Nominal Current	0.1 A	0.17 A
Max Voltage	100 VAC	300 VAC
Life Expectancy	10 ⁷ (# of actuations)	
Lead Wires	#22 AWG, 11.8 or 39.4 in. (300 or 1000 mm)	

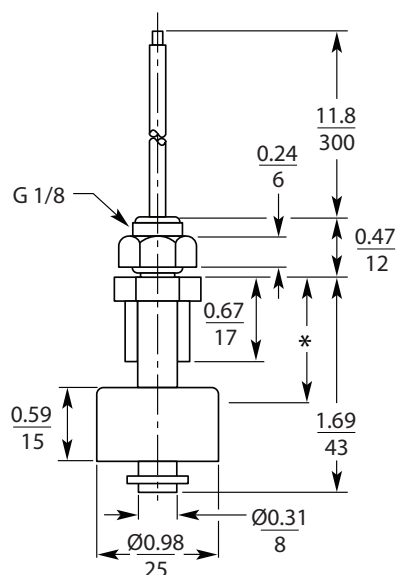
Physical

Material		
Stem	Polypropylene	
Float	Polypropylene	Buna
Retainer	316L SS	
Mounting	Vertical	

LFE11P / LFE11R



LFE12P



LF General Specifications and Options

Series

LFP

Model	LFP-V-2A	LFP-V-2F	LFP-V-2PG	LFP-H-3
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Performance

Pressure Rating	145 psi (10 bar)		7 psi (0.5 bar)	
Minimum S.G.	0.6	0.9	0.85	0.8



Environmental

Operating Temp.	14° to 194°F (-10° to 90°C)	14° to 212°F (-10° to 100°C)	14° to 194°F (-10° to 90°C)
Liquids	Water	Corrosive Chemicals	Chemicals, food, potable water



Electrical

Max Capacity	50 VA
Nominal Current	0.17 A
Max Voltage	300 VAC/DC
Life Expectancy	10 ⁷ (# of actuations)
Lead Wires	#22 AWG, 11.8 or 39.4 in. (300 or 1000 mm)



Physical

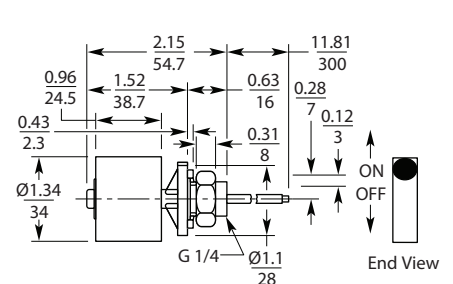
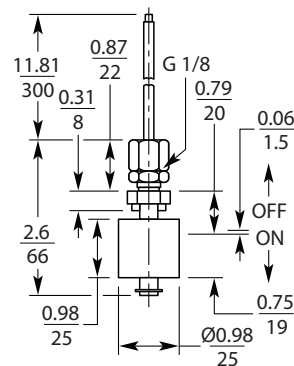
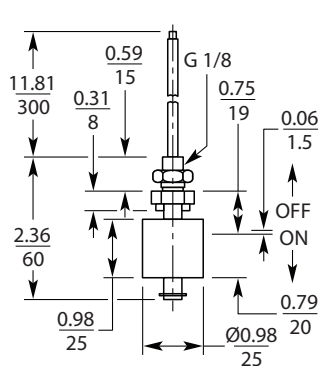
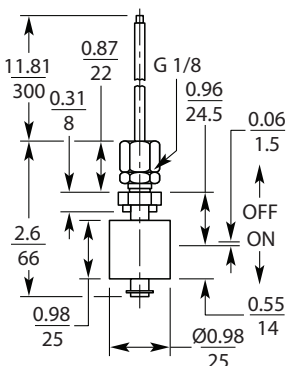
Material			
Stem	Polyacetal	PVDF	Polypropylene
Float	Buna	PVDF	Polypropylene
Retainer	316L SS	PVDF	Polypropylene
Mounting	Vertical Horizontal		

LFP-V-2A

LFP-V-2F

LFP-V-2PG

LFP-H-3



Options

Series

LFP

Model

LFP-HE-P1

LFP-HE-N1

LFP-HE-P2

LFP-HE-N2

Performance

Pressure Rating

7.25 psi (0.5 bar)

Minimum S.G.

0.8

Environmental

Operating Temp.

14° to 175°F
(-10° to 80°C)

14° to 230°F
(-10° to 110°C)

14° to 175°F
(-10° to 80°C)

14° to 230°F
(-10° to 110°C)

Electrical

Max Capacity

50 VA / 50W

Max Current

0.5 A

Max Voltage

300 VAC/DC

Life Expectancy

10⁷ (# of actuations)

Lead Wires

#22 AWG, 11.8 or 39.4 in. (300 or 1000 mm)

Physical

Material

Stem

Polypropylene

6-nylon

Polypropylene

6-nylon

Float

Polypropylene

6-nylon

Polypropylene

6-nylon

Retainer

Polypropylene

6-nylon

Polypropylene

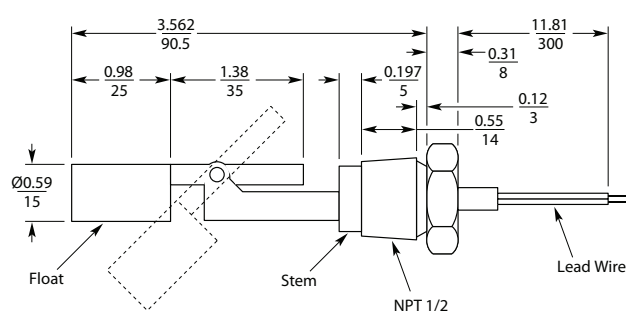
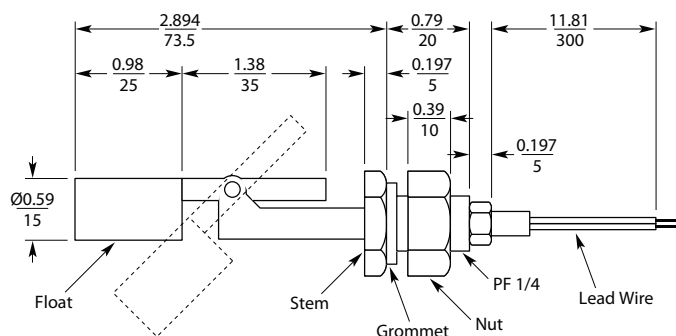
6-nylon

Mounting

Horizontal

LFP-HE-P1 / LFE-HE-N1

LFP-HE-P2 / LFE-HE-N2



Options

Series

LFS

Model	LFS-V-5G	LFS-V-5UN	LFS-V-30	LFS-VE-S1
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Performance

Pressure Rating	290 psi (20 bar)			
Minimum S.G.	0.8		0.55	0.8

Environmental

Operating Temp.	14° to 212°F (-10° to 100°C)	14° to 248°F (-10° to 120°C)	14° to 390°F (-10° to 200°C)
Liquids	Most liquids		

Electrical

Max Capacity	50 VA	15 VA	50 VA
Nominal Current	0.17 A	0.06 A	0.5 A
Max Voltage	300 VAC	264 VAC	300 VAC/DC
Life Expectancy	10 ⁷ (# of actuations)	10 ⁶ (# of actuations)	
Lead Wires	#22 AWG (300 or 1000 mm)	Silicon (0.3 mm) (400 mm)	#22 AWG (350 mm)

Physical

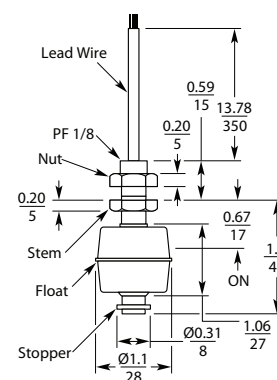
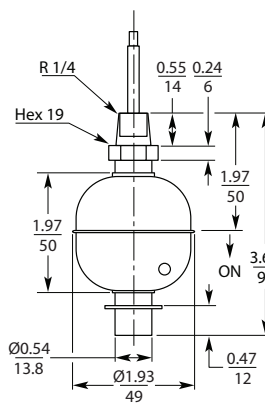
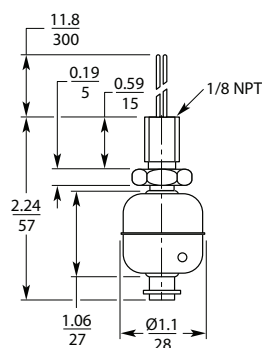
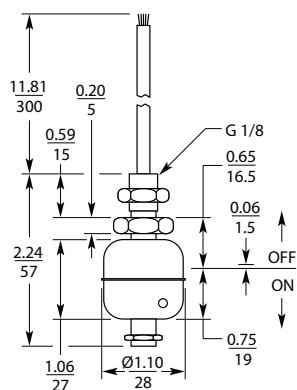
Material				
Stem	316L SS		304 SS	
Float		316L SS		304 SS
Retainer	316L SS		304 SS	
Mounting	Vertical			

LFS-V-5G

LFS-V-5UN

LFS-V-30

LFS-VE-S1



Options

Series

LFS

Model	LFS-VE-S2	LFS-H-10	LFS-H-25S/90	LFS-HE-S2
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Performance

Pressure Rating	145 psi (10 bar)	145 psi (10bar)	290 psi (20 bar)	72.5 psi (5 bar)
Minimum S.G.	0.8	0.6	0.8	0.8

Environmental

Operating Temp.	14° to 245°F (-10° to 120°C)	14° to 248°F (-10° to 120°C)	14° to 212°F (-10° to 100°C)	14° to 250°F (-10° to 120°C)
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Liquids

Chemical, Food,
Potable Water

Electrical

Max Capacity	50 VA			
Nominal Current	0.5 A	0.17 A	0.5 A	
Max Voltage	300 VAC/DC	300 VAC	300 VAC/DC	
Life Expectancy		10 ⁷ (# of actuations)		
Lead Wires	#22 AWG (350 mm)	#22 AWG (300 mm)	#22 AWG (500 mm)	

Physical

Material			
Stem	316L SS		304 SS
Float	316L SS		304 SS
Retainer	316L SS		304 SS
Mounting	Vertical	Horizontal	

