

# LEVEL SWITCH

# MODEL L-8N L-8CR

## SPECIFIC GRAVITY COMPENSATING.

Featuring continuously adjustable float buoyancy control to allow use in fluids with specific gravity down to 0.6.

Continuous buoyancy control allows switch activation at oil/water interface.

May be used in hazardous areas when used with intrinsically safe relays.

Consult factory for other dual-component fluid interface systems.

Horizontal Mounting Only

Water/Oil Interface switch point

Foam/Fluid interface switch point

High/Low Liquid Level Alarm

Liquid level indication

Direct pump control

Solenoid Valve On/Off Control

Available with Optional Filter Boot For Use in Highly Particle Contaminated Liquids.

Super-simple maintenance and checkout for personnel using a standard test meter.



## KEY FEATURES

Working Fluid Specific Gravity	<b>Adjustable between 0.6 &amp; 1.5+</b>
Working Temp	<b>200°F (93°C) Maximum</b>
Working Pressure	<b>75 psi (517 kPa)</b>
Process Connection	<b>1" NPT</b>
Electrical Switch	<b>SPDT 15A or Dry Circuit</b>
Enclosure	<b>NEMA 6P / IP 67</b>

## TYPICAL USES

For use in particle contaminated fluids, such as:

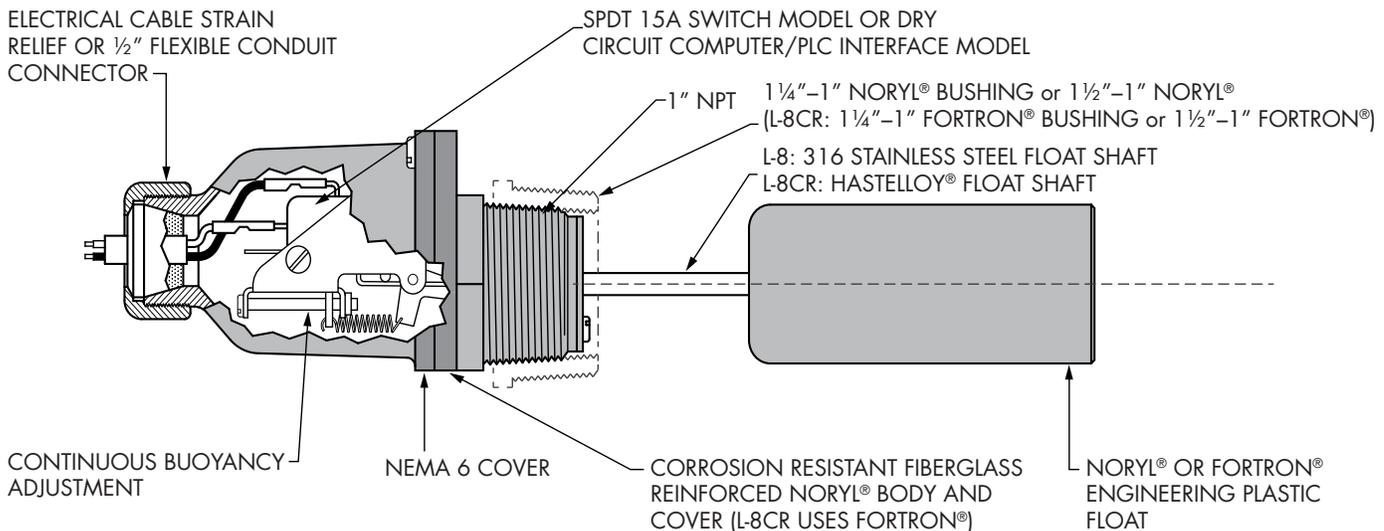
Seawater	Contaminated Ground Water
Sewage	Rusty Coolant Water
Soap Solutions	Soap Solutions

## TYPICAL WORKING FLUIDS

Water	Mild Acids
Some Hydrocarbons	Mild Bases
Chemical Solutions	Inorganics
Glycols	Oils
	Pure Water



## PRODUCT DIAGRAM



**WEIGHT: 0.5 lb.  
0.23 kg**



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v8.01

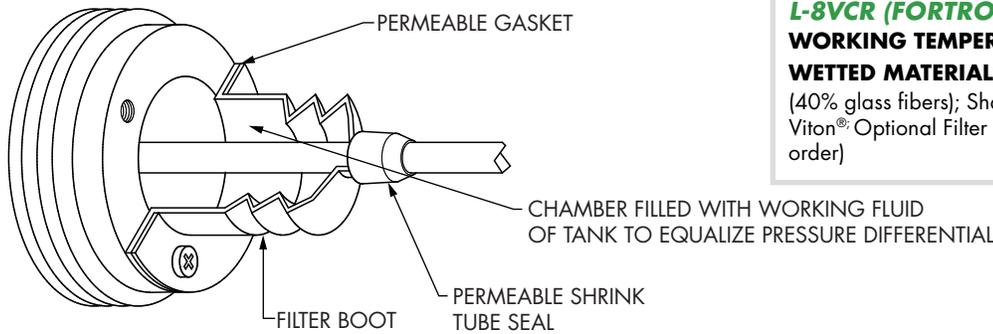
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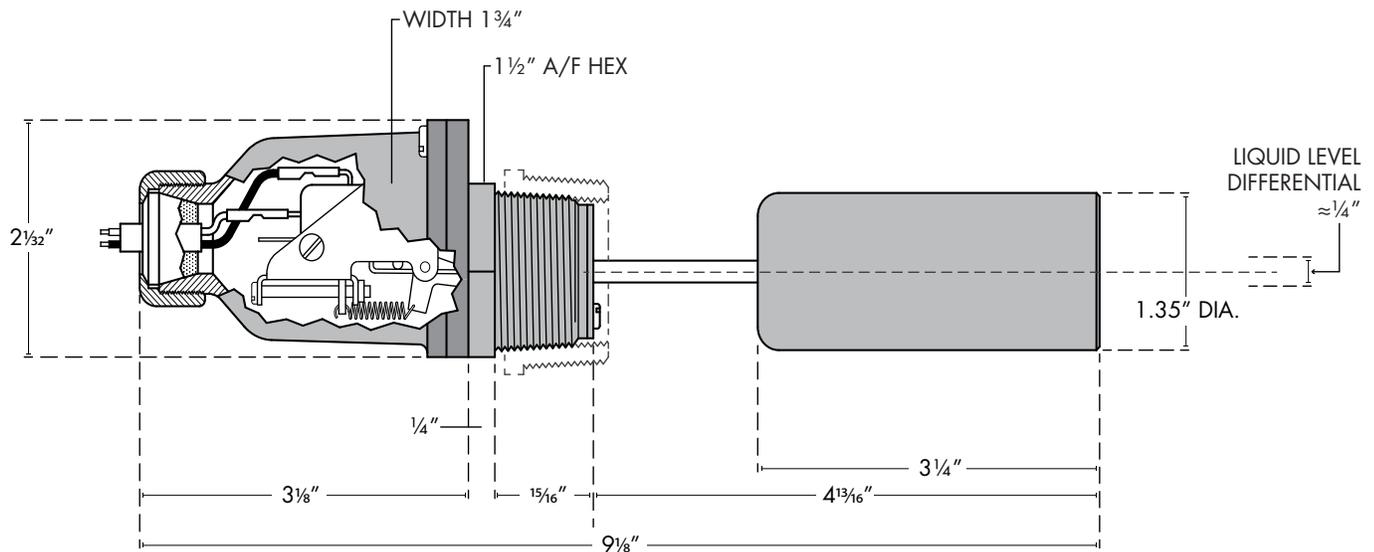
ELECTRICAL CONNECTION			
GROMMET	CABLE O.D.	DIAGRAM	
A	0.25"		
AA	0.30"		
B	0.37"		
C	0.50"		
CONDUIT FITTINGS (AVAILABLE AT EXTRA COST)			
F(STR) - 0.5" straight		F90° - (0.5" 90°)	

SAMPLE PART NUMBERS			
OPTION 1: L-8N / A		OPTION 2: L-8N / F	
BASE MODEL		BASE MODEL	
GROMMET SIZE		1/2" FIPT	

## FILTER BOOT



## INSTALLATION DIMENSIONS



## TECHNICAL SPECIFICATIONS

### HYSTERESIS ( $\Delta$ LIQUID LEVEL TO ACTIVATE/DEACTIVATE SWITCH)

≈ 1/4" max. travel

### WORKING FLUID SPECIFIC GRAVITY RANGE

Adjustable between 0.6 and 1.5+

### WORKING PRESSURE:

75 psi max. continuous & 100 psi max. non-operating

### ELECTRICAL SWITCH CHARACTERISTICS

SPDT 5A @ 125VAC (Tungsten lamp load)  
 15 A, 1/2 hp @ 125 or 250VAC  
 1/2A @ 125VDC, 1/4A @ 250VDC 10,000,000 operations median

Gold Cross Bar Dry Circuit Computer/PLC Interface SPDT Switch Model also available. 0.1A or less, 5-24 VAC/DC.

### L-8N (NORYL®)

**WORKING TEMPERATURE:** 180°F max. continuous.

**WETTED MATERIALS:** Body, Float and Bushing: Noryl® (PPO) (10% glass fibers); Shaft and Screws: 316 stainless; Diaphragm: EPDM; Optional Filter Boot: EPDM (Viton® available by special order)

### L-8VCR (FORTRON®)

**WORKING TEMPERATURE:** 200°F max. continuous.

**WETTED MATERIALS:** Body, Float and Bushing: Fortron® (PPS) (40% glass fibers); Shaft and Screws: HASTELLOY® C; Diaphragm: Viton®; Optional Filter Boot: Viton® (EPDM available by special order)

- Installation drawing and a numbered parts list is supplied with each unit.
- Special one-day delivery is available.