

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

TYPICAL USES

For use in particle contaminated fluids, such as:

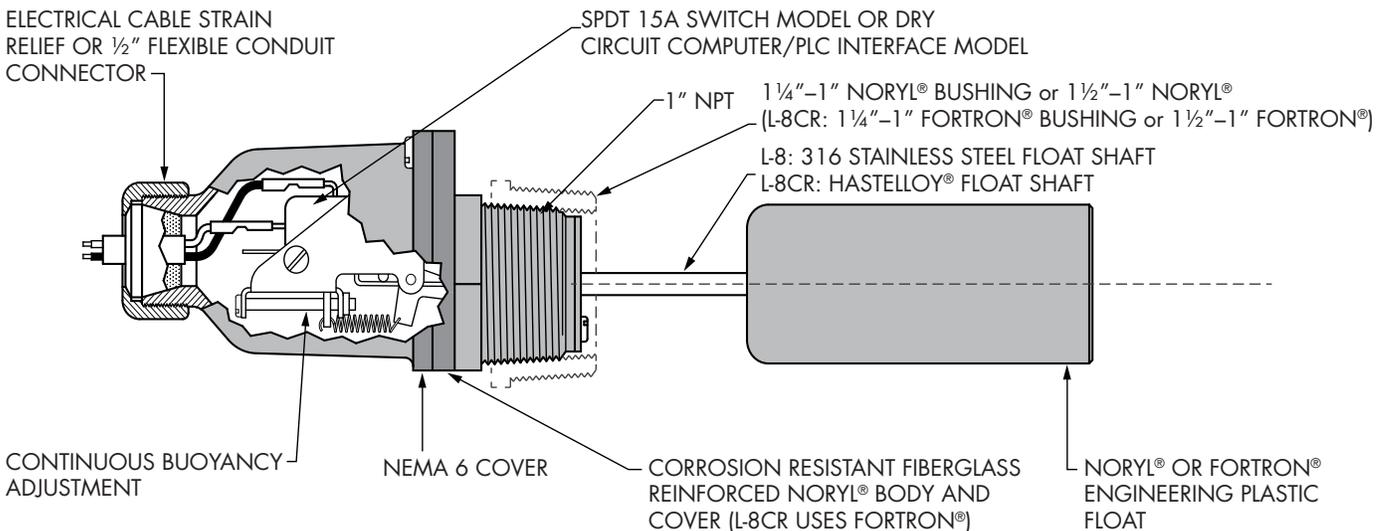
Seawater	Contaminated Ground Water
Sewage	Rusty Coolant Water
Soap Solutions	Soap Solutions

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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16.299

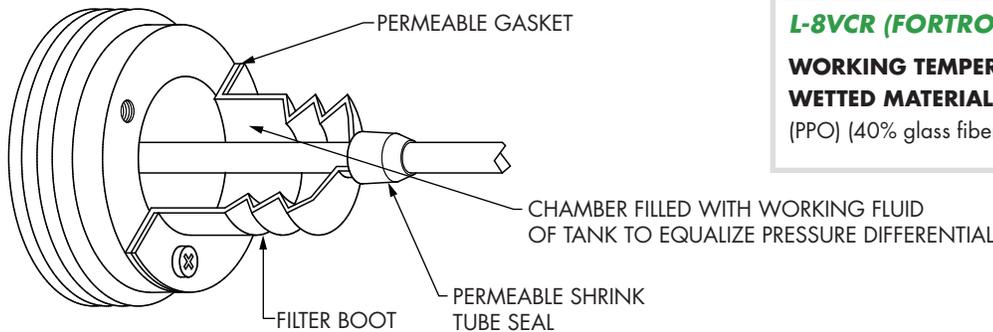
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MODEL L-8N L-8CR

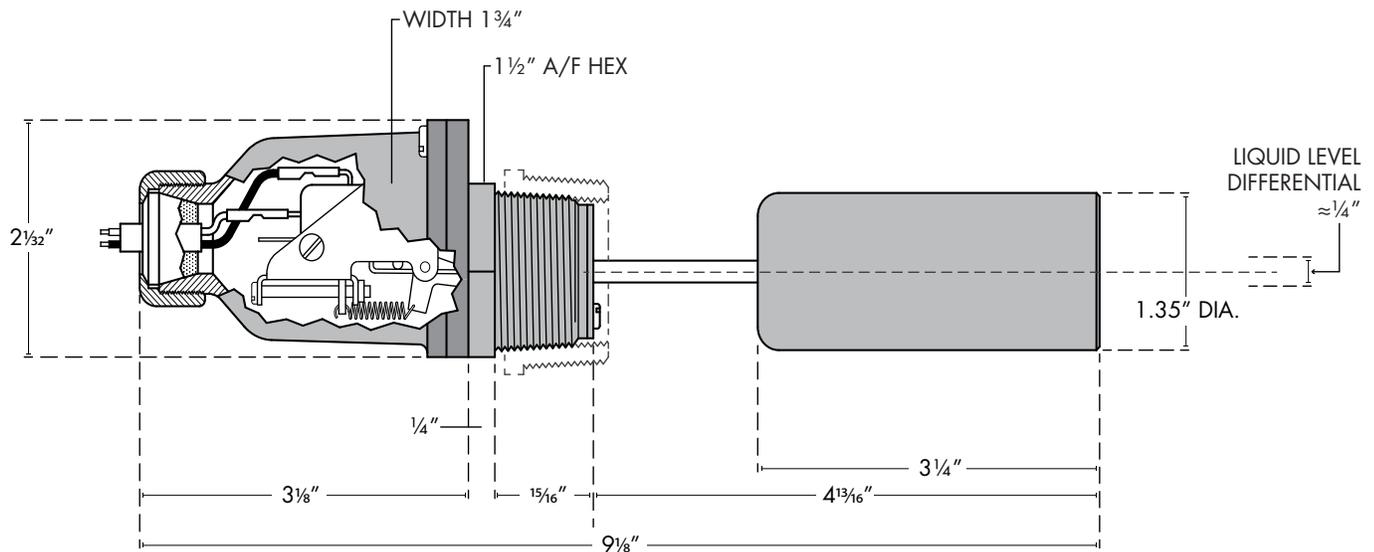
ELECTRICAL CONNECTION					
GROMMET	CABLE O.D.	DIAGRAM			
A	0.25"				
AA	0.30"				
B	0.37"				
C	0.50"				
CONDUIT FITTINGS (AVAILABLE AT EXTRA COST)					
F	0.5" straight		F90°	0.5" 90°	

SAMPLE PART NUMBERS			
OPTION 1: L-8N / A		OPTION 2: L-8N / F	
BASE MODEL	↑	BASE MODEL	↑
GROMMET SIZE		½" FLEXIBLE CONDUIT FITTING	

FILTER BOOT



▲ INSTALLATION DIMENSIONS



➤ TECHNICAL SPECIFICATIONS

HYSTERESIS (Δ LIQUID LEVEL TO ACTIVATE/DEACTIVATE SWITCH)

≈ ¼" 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, ½ hp @ 125 or 250VAC
 ½A @ 125VDC, ¼A @ 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) Float Shaft and Screws: 316 stainless (Hypalon available by special order) 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® (PPO) (40% glass fibers) Pivot Pin: HASTELLOY® C

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