

FL-LL – Ultrasonic Liquid Level Sensors

Ultrasonic liquid level sensors are a non invasive, non contact sensor typically mounted on the top of a tank or vessel. These sensors use ultrasonic sound waves to calculate the depth of a liquid. Ultrasonic level sensors are also capable of continuous level measurement in addition to point-level monitoring. Another advantage over more traditional float switches. The FL-LL is widely used in environmental applications, like detecting rising flood levels. These sensors are ideal because they continuously measure fluid levels and can quickly detect and relay any data for agencies to act fast, all in the interest of public safety and conservation.

FL-LL

Made from 316 stainless steel, these ultrasonic sensors are available with switched relay or digital outputs

FL-LL25 - 1/4" NPT Stainless Steel Ultrasonic Level Sensor, 5 - 30 VDC Input

FL-LL50 - 1/2" NPT Stainless Steel Ultrasonic Level Sensor, 5 - 30 VDC Input

FL-LL5K - 3/4" NPT Stainless Steel Ultrasonic Level Sensor, 5 - 12 VDC Input



Part Number	Switch Type	Max Switching Current	Max Switching Voltage	Max Temp	Max Pressure	Specific Gravity
FL-LL25	Relay Output (NO/NC)	0.5 Amps	5 to 30 VDC	80° C	250 psig	N/A
FL-LL50	Relay Output (NO/NC)	0.5 Amps	5 to 30 VDC	80° C	250 psig	N/A
FL-LL5K	Relay Output	2 Amps	5 to 30 VDC	80° C	1000 psig	N/A

Specifications:

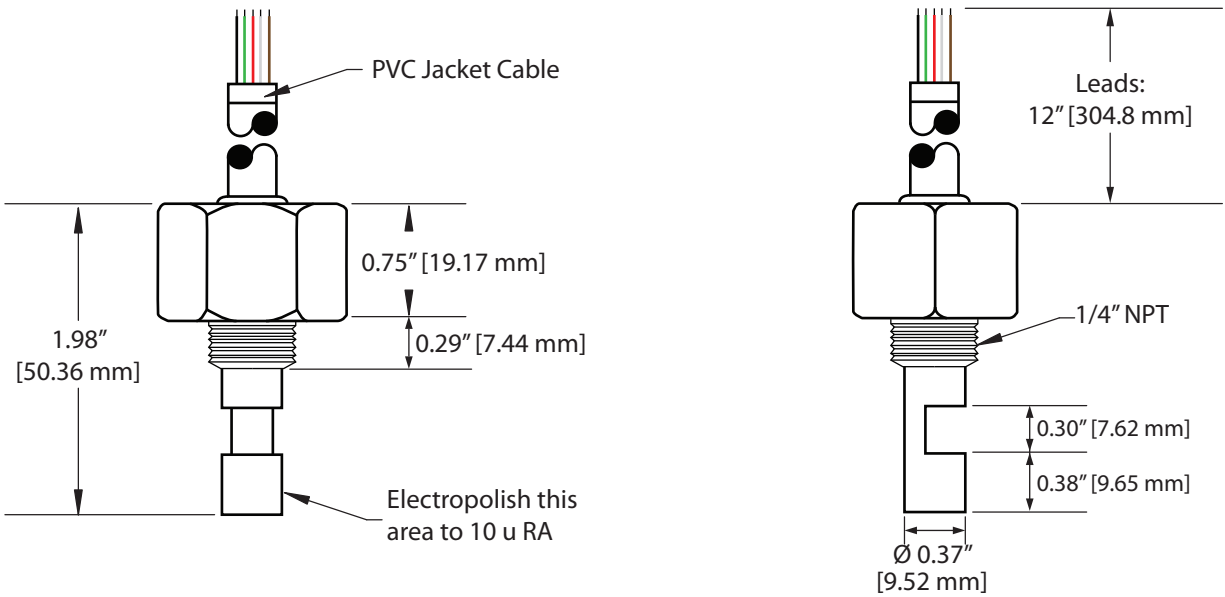
- **Repeatability:** 2 mm or better
- **Delay:** 0.5 seconds
- **Input Power:** 5 VDC to 30 VDC
- **Leakage Current:** Less than 50 µA
- **Outputs:**
 - Sourcing:** 100 mA /Max
 - Sinking:** 100 mA /Max
 - Relay:** 1 amp SPST (NO/NC)
- **Protection:** Transient, reverse polarity
- **Sensor:** 316 LSS Standard
- **Temperature:** -20°F to 176°F (-29°C to 80°C)
- **Cable Length:** 12" (305 mm) longer lengths available

Applications:

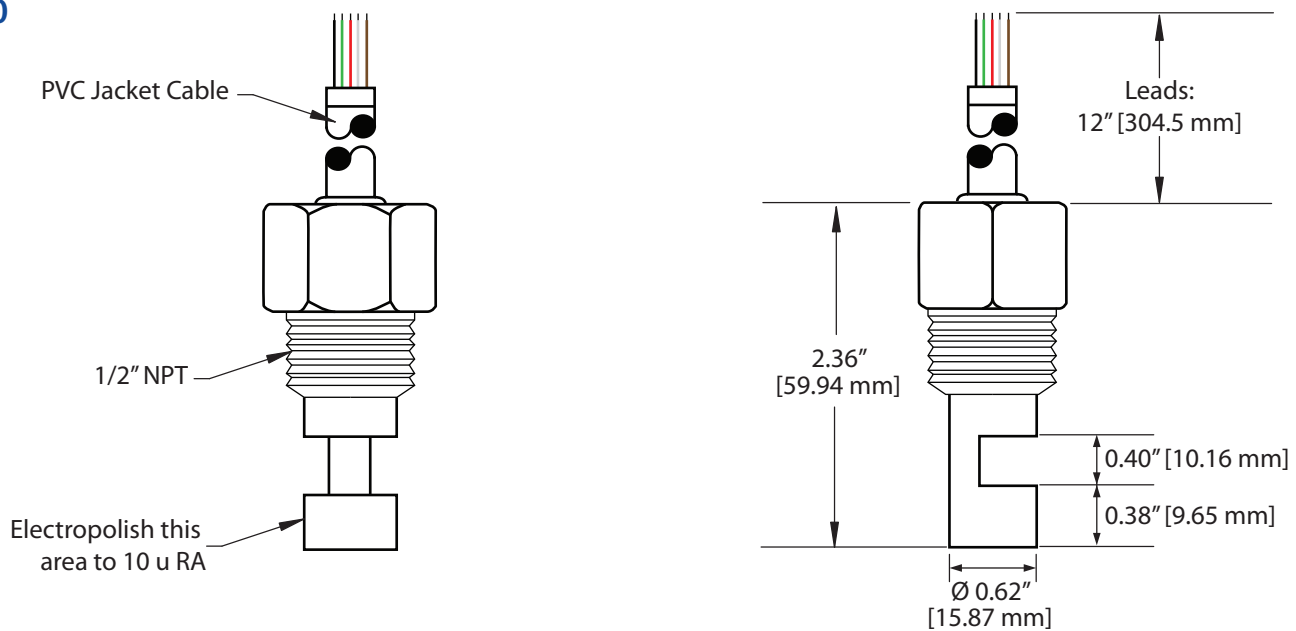
- Pump Protection
- Storage Tanks
- Compressors
- Hydraulic Supply Lines
- Oil Film Detection
- Coolant Reservoirs
- Etc



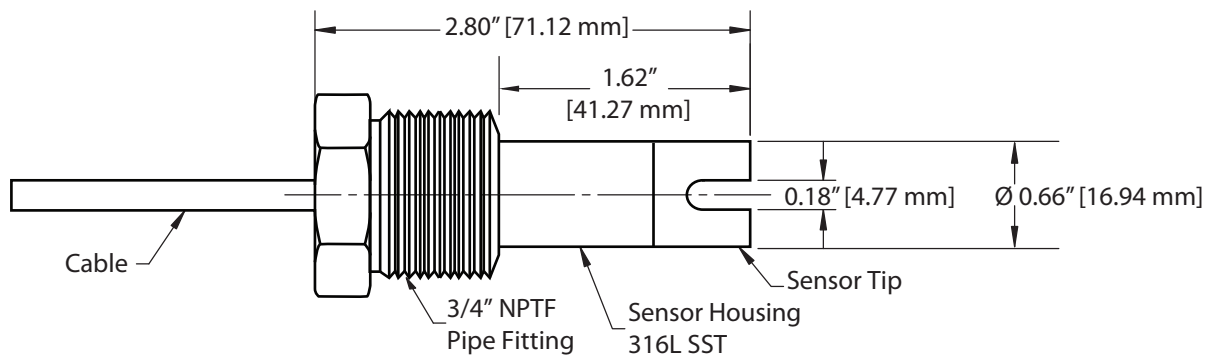
FL-LL25



FL-LL50

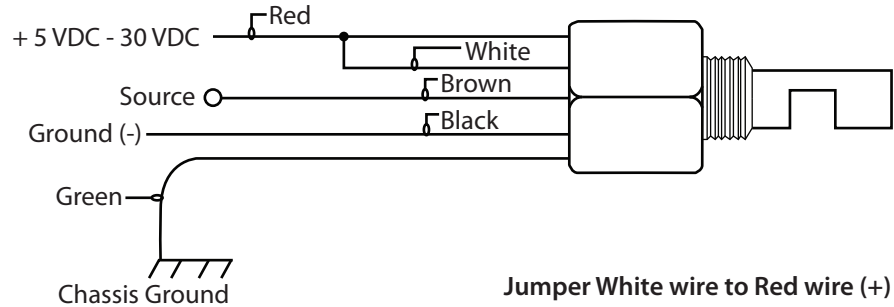


FL-LL5K

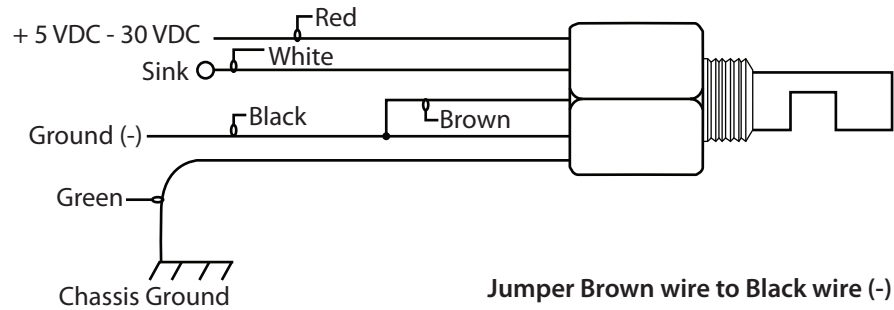


Typical Wiring Diagram

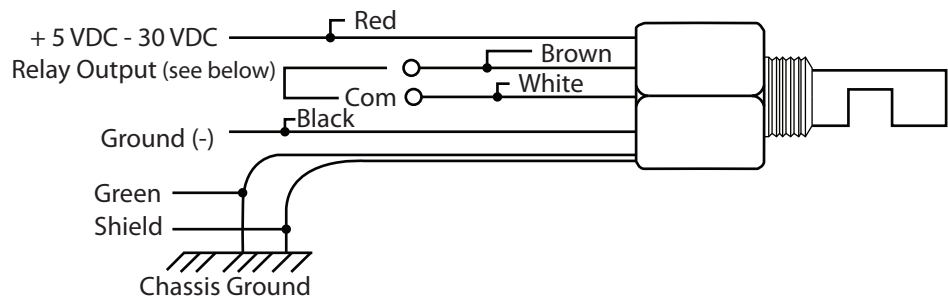
Sourcing Output



Sinking Output



Relay Output



Product Configuration

