



SMD Fluid Controls, Inc.

FU-LL25 and FU-LL50 Miniature Ultrasonic Level Sensor

These durable 316LSS Liquid Level Sensors make a cost effective choice for tight spaces, or direct replacement of Electro Optical or Magnetic Float Switches. NPT design makes for easy installation, and the solid construction makes for easy tank cleaning.

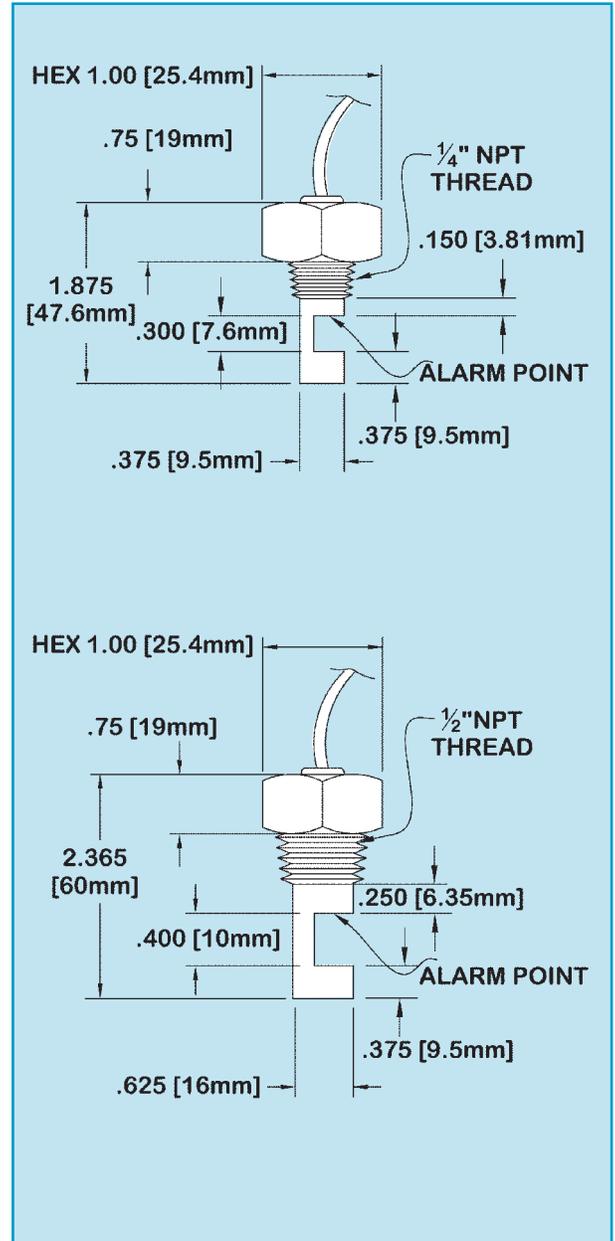
FU-LL25-03 1/4" NPT Mount Miniature Sensor

FU-LL50-07 1/2" NPT Mount Miniature Sensor



Standard Features:

- 5Vdc – 30Vdc Input Voltage (3.3 Vdc optional)
- 1 Amp SPST (NO,C) Relay Output
- 100 mA max. Sink or Source also available
- Up 250 psig Standard (500 psig optional)
- 20 F to +176 F (-29 C to +80 C)
- .5 second delay
- 12" Cable

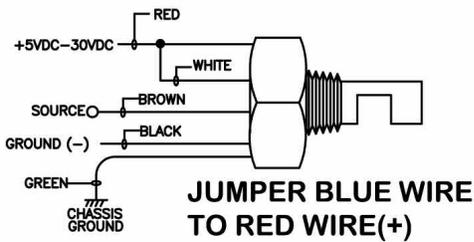




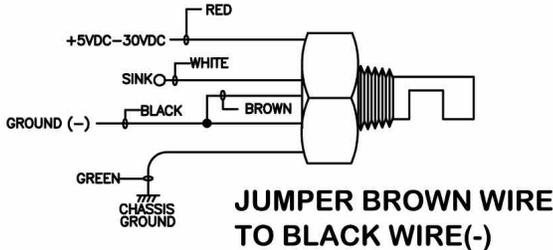
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TYPICAL WIRING DIAGRAM

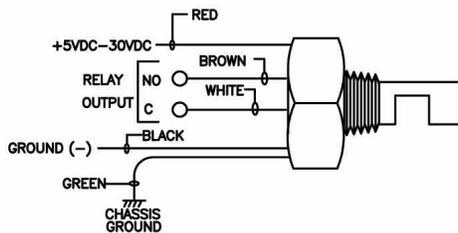
SOURCE OUTPUT



SINK OUTPUT



RELAY OUTPUT



SPECIFICATIONS

Repeatability: 2mm or better

Delay: 0.5 seconds

Input Power: 5 VDC to 30VDC

Leakage Current: Less than 50µA

Outputs: Source - 100mA max STD (standard)

Sink - 100mA max STD (standard)

Relay Output: 1 amp SPST (NO,C)

Protection: Transient, reverse polarity

Sensor : 316LSS standard

Temperature: -20°F to +176° F (-29°C to 80°C)

Pressure: Up to 250 psig (1724 Kpa) - LL-01 series

Mounting: 1/4" NPT, 1/2" NPT STD (standard)

Cable Length: 12" (305mm) longer lengths, consult factory

Pump Protection

Storage Tanks

Compressors

Hydraulic Supply Lines

Oil Film Detection

Coolant Reservoirs