

te.com



# **LL-01 SERIES**

### **POWER LOOP**

Proven ultrasonic technology combined with compact electronics

Improved performance in aerated liquids

Cost effective design for tight spaces and direct replacement of electro optical and mechanical float switch

The LL-01 series Ultrasonic Sentio™ Miniature Liquid Level Switch uses proven ultrasonic technology combined with compact electronics yielding improved performance in aerated liquids.

#### **Features**

#### Standard Features

- High pressure up to 250 PSIG (1724 KPa)
- No moving parts, easy to install
- Input 5.5 to 30 VDC
- Digital filter techniques enhance performance
- Power Loop output, Wet 20±1 mA; Dry 4±1mA

#### **Optional Features**

- Temperature options: 80℃ or 100℃
- Mounting options: 1/4" NPT or 1/2" NPT
- Relay output version also available (SPST-NO or NC)

### **Applications**

- Pump protection
- Storage tanks
- Compressors
- Medical and laboratory equipment
- Hydraulic supply lines
- Oil film detection
- · Coolant reservoirs
- · Boiler water cutoff
- Sewage systems
- Pipelines
- Hydraulic and lube reservoirs
- Chillers

### POWER LOOP

### **Specifications**

Repeatability 2 mm or better

Delay 0.5 seconds
Input Power 5.5 to 30 VDC

Output (standard) Wet 20±1 mA; Dry 4±1 mA

EMC EN 61326-1 for fixed cable lengths <30 meters and not powered from a

DC distribution system; Emissions Group 1 Class A

Sensor Material 316L Stainless Steel

**Temperature** -20 to +176♥ (-29 to 80℃) or -20 to +212♥ (-29 t o 100℃)

Operating Pressure Up to 250 PSIG (1724 KPa)

Mounting ¼" NPT or ½" NPT

Cable Length 1, 4, 10, & 20 foot lengths available

### **Typical Wiring Diagram**

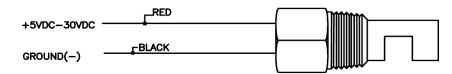


Figure 1 Typical wiring diagram for LL-01 series elements

## Mechanical Dimensions in inches [mm]

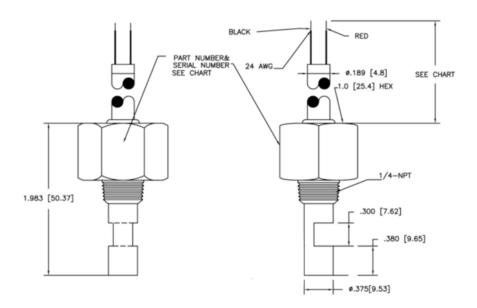
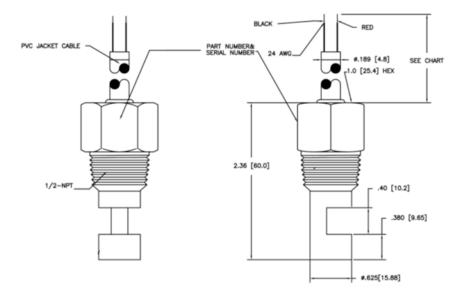


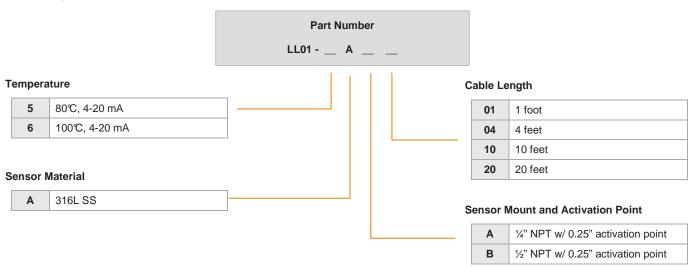
Figure 2

Top: LL-01 series element with 1/4" NPT sensor mounting

Bottom: LL-01 series element with ½" NPT sensor mounting



### **Ordering Information**



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