

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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- A direct replacement for mechanical float type liquid level devices
- Proven ultrasonic technology
- Solid state integral electronics
- Designed for years of maintenance-free service

DESCRIPTION

The Solid State Float™ LL-10 series liquid level switch is a direct replacement for mechanical float type liquid level devices. It employs proven ultrasonic technology and solid state integral electronics. The Solid State Float™ provides reliable operation in virtually any liquid and eliminates failures due to finite mechanical life inherent in the mechanical float design. With fully epoxy sealed electronics, combined with ultrasonic sensing technology, Solid State Float™ is designed for years of maintenance-free service. Measurement Specialties, Inc. can also customize special versions of the LL-10 Series.

FEATURES

Standard Features

- High pressure up to 1000 PSIG (6895 Kpa)
- Output: Relay output, 1 amp SPDT (normally open)
- No moving parts, easy to install
- Input 5 to 30 VDC
- Digital filter techniques enhance performance

Optional Features

- Electropolishing
- Higher temperature up to 212 °F (100 °C)
- Relay output, 0.5 amp SPDT (high level failsafe)

APPLICATIONS

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



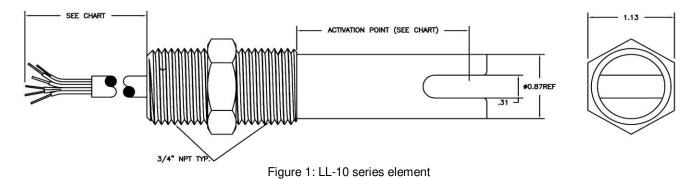


PERFORMANCE SPECIFICATIONS

| Parameter | Typical Value |
|-------------------|---|
| Repeatability | 2 mm or better |
| Delay | 0.5 seconds |
| Input Voltage | 5 to 30 VDC |
| Input Power | 100 mA max standard |
| Leakage Current | Less than 50 μA |
| Output (standard) | Relay Output: 1 AMP SPDT NO or NC; 30 VDC max |
| Mounting | 3/4" NPT STD (for flanges, consult factory) |

| Parameter | Typical Value |
|-----------------------|---|
| Protection | Transient, reverse polarity |
| Sensor Material | 316L SS |
| Temperature | -20 to +176° F (-29 to 80 °C) |
| Operating Pressure | Up to 1000 PSIG (6895 Kpa) |
| Cable Length | 12" (305 mm) (for longer lengths consult factory) |

MECHANICAL DIMENSIONS in inches [mm]



SCHEMATICS

Typical Wiring Diagram - Relay Output

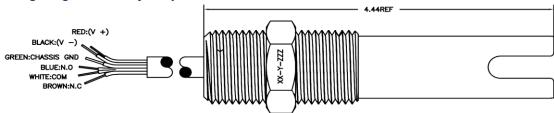
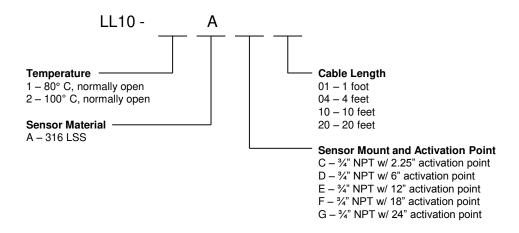


Figure 2: Typical wiring diagram for LL-10 series element





ORDERING INFORMATION



TECHNICAL CONTACT INFORMATION

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