LL-01 Series – Relay Version





- Proven ultrasonic technology combined with microcontroller
- Improved performance in aerated liquids
- Cost effective design for tight spaces and direct replacement of electro optical and mechanical float switch

DESCRIPTION

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

FEATURES

Standard Features

- High pressure up to 250 PSIG (1724 Kpa)
- Output: Relay output, 0.5 amp SPST (normally
- No moving parts, easy to install
- Input 5 to 30 VDC
- Digital filter techniques enhance performance

Optional Features

- 3.3 volt input power
- Electropolishing
- Higher pressure up to 500 PSIG (3447 Kpa)
- Relay output, 0.5 amp SPST (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 Power	5 to 30 VDC
Leakage Current	Less than 50 μA
Output (standard)	Relay Output: 0.5 amp SPST (normally open or normally closed); 30 VDC max
Protection	Transient, reverse polarity

Parameter	Typical Value
Sensor Material	316L SS
Temperature	-20 to +176° F (-29 to 80 °C)
Operating Pressure	Up to 250 psig (1724 Kpa)
Mounting	1/4" NPT, 1/2" NPT
Cable Length	12" (305 mm)



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MECHANICAL DIMENSIONS in inches [mm]

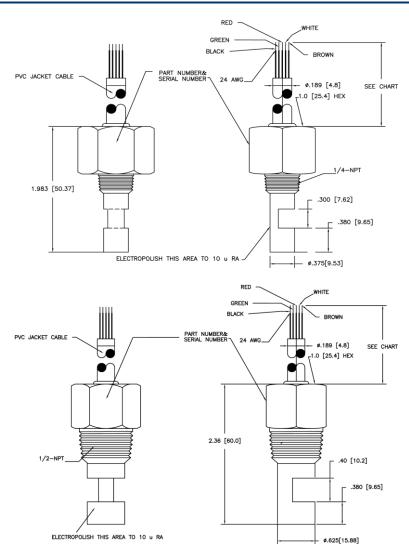


Figure 1: Top - LL-01 series element with 1/4" NPT sensor mounting Bottom - LL-01 series element with 1/2" NPT sensor mounting





TYPICAL WIRING DIAGRAM

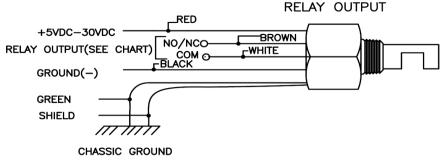
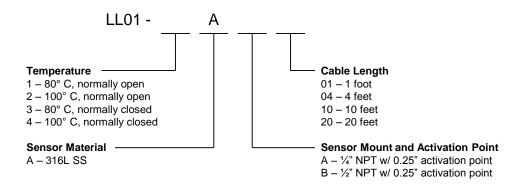


Figure 2: Typical wiring diagram for LL-01 series elements

ORDERING INFORMATION



TECHNICAL CONTACT INFORMATION

North America

Measurement Specialties, Inc. 1000 Lucas Way Hampton, VA 23666 Tel: 1-800-745-8008 Fax: 1-757-766-4297

Sales: piezo@meas-spec.com

Europe

MEAS Deutschland GmbH Hauert 13 44227 Dortmund Germany Sales & Customer Service: +49 (0)231 9740 21

Technical Support: +44 (0)138 38700 01 Email: piezoeurope@meas-spec.com

Asia

Measurement Specialties (China) Ltd.
No. 26 Langshan Road,
High-Tech Park (North)
Nanshan District, Shenzhen 518057
Tel: +86 755 3330 5068
Email: sales.china@meas-spec.com

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