

Introducing the TDLS02 Series Ultrasonic Liquid Level Switch



SERIES: TDLS02

FEATURES

- Solid one piece molded body - rugged construction
- Low cost replacement to mechanical float with large OEM discounts
- High Temperature up to 212°F (100°C) - consult factory
- Ready to use, pre-wired
- 3.3V input power, consult factory

APPLICATIONS

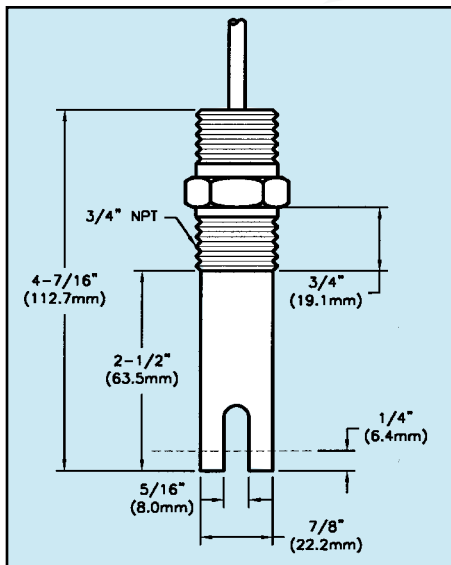
- Pump Protection
- Storage Tanks
- Compressors
- Hydraulic Supply Lines
- Boiler Water Cutoff
- Sewage Systems
- Pipe Lines

DESCRIPTION

The TDLS02 Series Liquid Level Switch, is a direct replacement for mechanical float type liquid level devices that employs proven ultrasonic technology and solid state integral electronics. The TDLS02 provides reliable operation in virtually any liquid, and eliminates failure rate due to finite mechanical

life inherent in the mechanical float design. With fully epoxy sealed electronics, combined with ultrasonic sensing technology, the TDLS02 is designed for years of maintenance-free service. The TDLS02 Series offers 2 types of outputs.

DIMENSIONS



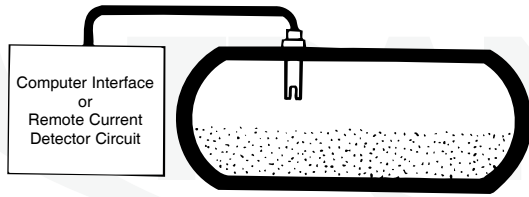
SPECIFICATIONS

Repeatability	2mm or better
Delay	0.5 seconds
Input Power	6 VDC to 24VDC, 5VDC (Optional)
Leakage Current	Less than 50 uA
Outputs	Two wire output 4.0 ± 1.0 mA dry 16.0 ± 1.0 mA wet Relay output, one amp, SPST - N.O.
Protection	Transient, reverse polarity
Sensor	316LSS (standard)
Temperature	-20°F to +160° F (-29°C to +71°C)
Pressure	Up to 1000 psig (6895 Kpa) - 316SS
Mounting	3/4" NPT STD (for angles, consult factory)
Cable Length	12" (for longer lengths, consult factory)

TYPICAL APPLICATION

TWO-WIRE SYSTEM

1. NO A.C Power
2. NO Coaxial Cable Required
3. Up to 1000 ft. or Longer Distance
4. Reduces Installation Cost



ORDERING

Series Part Number	Sensor Mounting	Sensor Material	Electronics Input	Electronics Output
TDLS0210010	3/4" NPT	316LSS	6VDC-30VD	1 AMP SPDT Relay
TDLS0210012	3/4" NPT	316LSS	6VDC-30VD	2 wire loop power 4mA dry 16mA wet

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06.07