EchoSwitch ^MMulti-Point Ultrasonic Level Switch

Description

The general purpose ultrasonic switch provides non-contact level detection up to 8m with 3 relays. Each relay can be configured on a single set point alarm, two latched set points for automatic fill or empty including lead-lag, or two independent set points for out of bounds alarms. In addition, Relays 1 and 2 can be interlocked for either a relay alternation or duplex operation. The switch is well suited for a broad range of corrosive, waste and slurry type media, and is broadly selected for atmospheric day tank, pump lift station and waste sump applications.

Features

- EasyCal target push button calibration with non-volatile memory
- ✓ Incredible 7.6 cm beam diameter for applications with restricted space
- Amazing 5 cm dead band optimizes filling capacity of small vessels
- Fail-safe intelligence with diagnostic feedback for easy troubleshooting
- PC/ABS enclosure rated NEMA 4X with rugged Kynar transducer

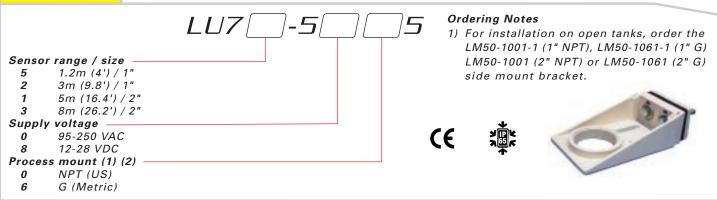


<mark>EchoSwitch</mark> Ordering



Specifications

| Range: | LU75: 2" to 4' | Contact rating: | 60 VA |
|-----------------|--------------------------|----------------------|--------------------------|
| | (5 cm to 1.2m) | Contact logic: | Single point: alarm |
| | LU72: 4" to 9.8' | | Two point: latching or |
| | (10 cm to 3m) | | out of bounds alarms |
| | LU71: 4" to 16.4' | Relay interlock: | Relays 1 & 2 only; |
| | (10 cm to 5m) | | alternation or duplexing |
| | LU73: 8" to 26.2' | Contact fail-safety: | De-energizes during |
| | (20 cm to 8m) | | echo signal loss |
| Repeatability: | 0.25" (6 mm) | Process temp.: | F: -4° to 140° |
| Adjustability: | Over entire range | | C: -20° to 60° |
| Hysterysis: | LU72/5: 0.5" (1.2 cm) | Temp. comp.: | Automatic |
| | (single set point) | Electronics temp.: | F: -40° to 160° |
| | LU71/3: 1" (2.5 cm) | | C: -40° to 71° |
| | (single set point) | Pressure: | 30 psi (2 bar) @ 25° |
| Beam width: | LU72/5: 2" (5 cm) dia. | | C., derated @ 1.667 |
| | LU71/3: 3" (7.6 cm) dia. | | psi (.113 bar) per °C. |
| Dead band: | LU75: 2" (5 cm) | | above 25° C. |
| | LU71/2: 4" (10 cm) | Enclosure rating: | NEMA 4X (IP65) |
| | LU73: 8" (20 cm) | Enclosure vent: | Water tight membrane |
| LED indication: | Power, relay and | Encl. material: | PC/ABS FR |
| | echo status | Trans. material: | PVDF Kynar® |
| Calibration: | Target, push button | Process mount: | LU72/5: 1" NPT (1" G) |
| Memory: | Non-volatile | | LU71/3: 2" NPT (2" G) |
| Supply voltage: | 50_5: 95-250 VAC | Mount. gasket: | Viton® |
| | 58_5: 12-28 VDC | Conduit entrance: | Dual, 1/2" NPT |
| Consumption: | 50_5: 20 watts max. | Classification: | General purpose |
| | 58_5: 100 mA @ 24 VDC | CE compliance: | EN 61326 EMC |
| Contact type: | (3) SPDT relays | (pending) | EN 61010 safety |





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