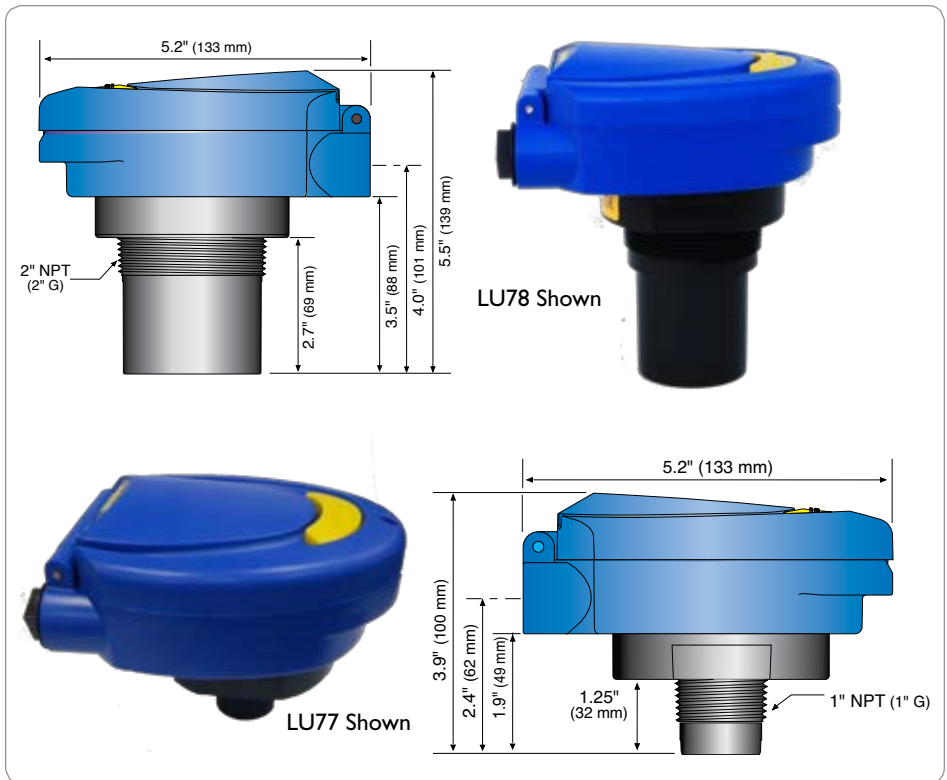
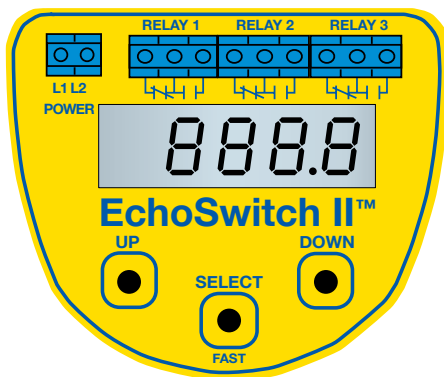


# EchoSwitch II™ Multi-Point Ultrasonic Level Switch

## Reliable Relay Control

Say NO to target calibration. EchoSwitch II features a new, simpler user interface that uses an integrated LCD screen and digital push button configuration. Whether configuring a complex lift station or a waste sump, set-up will be fast and simple with EchoSwitch II. Designed with the latest in DSP technology, EchoSwitch II gives users a more reliable and dependable sensor in corrosive or challenging liquids. New features and a new look, EchoSwitch II is all new.

New EchoSwitch II Interface



## Specifications

|                      |   |
|----------------------|---|
| Range:               | LU77: 4" to 8.2'<br>(10 cm to 2.5m)<br>LU78: 8" to 24.6'<br>(20 cm to 7.5m) |
| Repeatability:       | 0.25" (6.35 mm)   |
| Beam width:          | LU77: 2" (5 cm) dia.<br>LU78: 3" (7.6 cm) dia.                              |
| Dead band:           | LU77: 4" (10 cm)<br>LU78: 8" (20 cm)  |
| LCD indication:      | Level and relay status  |
| Configuration:       | Push button   |
| Supply voltage:      | 95-250 VAC  |
| Contact type:        | (3) SPDT relays   |
| Contact rating:      | 60 VA, 1A max   |
| Contact fail-safety: | Programmable / selectable   |
| Temp. comp.:         | Automatic   |
| Electronics temp.:   | F: -7° to 140°<br>C: -20° to 60°  |
| Pressure:            | MWP = 30 PSI  |
| Enclosure rating:    | NEMA 4X (IP65)  |
| Enclosure vent:      | Water tight membrane  |
| Encl. material:      | Polycarbonate, UV   |
| Encl. hardware:      | Brass and stainless   |
| Trans. material:     | PVDF  |
| Process mount:       | LU77: 1" NPT (1" G)<br>LU78: 2" NPT (2" G)                                  |
| Mount. gasket:       | Viton®  |
| Conduit entrance:    | Dual, 1/2" NPT  |
| Classification:      | General purpose   |
| Compliance:          | RoHS  |
| Approvals:           | CE (Pending)  |

## Description

The general purpose ultrasonic switch and controller provides non-contact level detection up to 24.6' (7.5 m) with 3 SPDT 60 VA 1A relays. EchoSwitch II features digital push button configuration, eliminating target calibration. Each relay can be configured on a single set point to control pumps, valves or alarms. In addition, all 3 relays can be simplex, duplexed or triplexed. EchoSwitch II now features an integrated timer with pump/valve delay and timed pump alternation. The switch is well suited for a broad range of corrosive, waste and slurry type media. EchoSwitch II is broadly selected for atmospheric day tanks, pump lift stations and waste sump applications.

## New Features

- ✓ Non-contact level detection with integral 3-channel relay control
- ✓ Simple digital push button configuration, no more target calibration.
- ✓ Pump simplex, duplex and triplex options.
- ✓ Integrated timer for pump/valve delay and pump alternation.
- ✓ Available in 2.5m (8.2') or 7.5m (24.6') range.
- ✓ 10cm miniature dead band optimizes the filling capacity of sumps or vessels.
- ✓ Polycarbonate enclosure rated NEMA 4X with rugged PVDF transducer

## EchoSwitch II Order

|  |               |
|--|---------------|
| LU7 <input type="checkbox"/> - 50 <input type="checkbox"/> 5 |               |
| <b>Sensor Range / Size</b>                                   |               |
| 7  | 8.2' (2.5 m)  |
| 8  | 24.6' (7.5 m) |
| <b>Process Mount</b>   |               |
| 0  | NPT           |
| 6  | G Thread      |

### Ordering Notes

- 1) For installation on open tanks, order the LM50-1001-1 (1" NPT), LM50-1061-1 (1" G) LM50-1001 (2" NPT) or LM50-1061 (2" G) side mount bracket.

