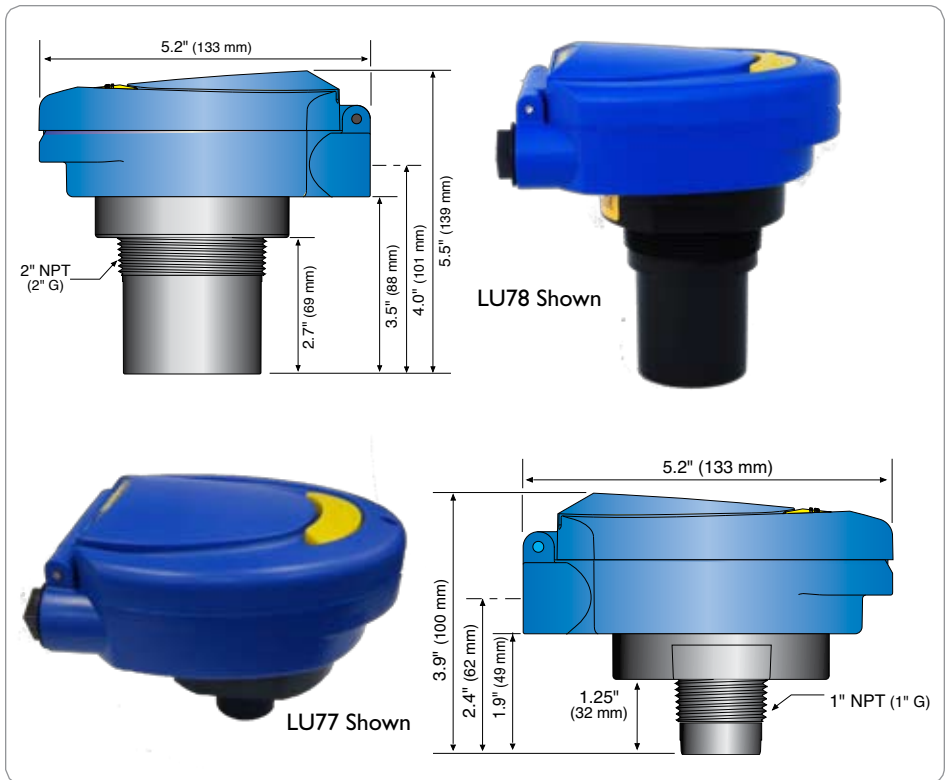
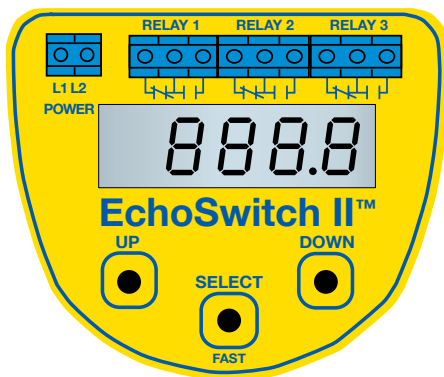


EchoSwitch II™ Multi-Point Ultrasonic Level Switch

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' (10 cm to 2.5m) LU78: 8" to 24.6' (20 cm to 7.5m)
Repeatability:	0.25" (6.35 mm)
Effective Beam width:	3" (7.6 cm) dia.
Dead band:	LU77: 4" (10 cm) 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° 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) LU78: 2" NPT (2" G)
Mount. gasket:	Viton®
Conduit entrance:	Dual, 1/2" NPT
Classification:	General purpose
Compliance:	RoHS
Approvals:	CE

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 - 50 5

Sensor Range / Size	
7	8.2' (2.5 m)
8	24.6' (7.5 m)
Process Mount	
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.

