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

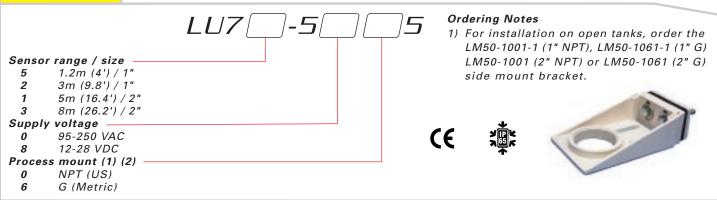


<mark>EchoSwitch</mark> Ordering



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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