

SIEMENS



Ideal for pump control with both high- and low-level switches

Siemens Pointek ULS 200 Ultrasonic Point Level Switches

- Easy to install and program
- Non-contact means no fouled floats or cable hassles

The ULS 200 ultrasonic point level switch provides both high and low level detection, making it ideal for pump control, level alarms and tank monitoring. Programming the high/low, time delay and dead-band is easily accomplished via two buttons and a large LCD display.

Housed in rugged polycarbonate with Tefzel™ sensor, the ULS 200 will stand up to years of exposure in many kinds of environments. The ULS 200 mounts easily through a tank top or on a bracket with 2" NPT(M) thread on the sensor body. Two single pole double throw (SPDT) 5 amp relays provide signal duty control and alarm contacts.



Flowline EchoSwitch® Ultrasonic Level Switch Controllers/ Transmitters

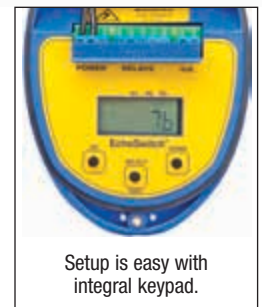
- Replaces floats and pump controllers
- Built-in pump alternator and delay timer equalize pump wear in duplex and triplex applications
- Use for non-contact level detection and control in atmospheric day tanks, waste sumps and pump lift stations



The EchoSwitch ultrasonic level switch/transmitter replaces your floats and controller! It provides non-contact level detection up to 26.2' (depending on model), and features a built-in controller with a 4-20 mA output. Use it for a variety of applications including atmospheric day tanks, waste sumps or pump lift station control.

The EchoSwitch has an incredibly small beam width of 2" or 3" for use in restricted spaces, and a small dead band that optimizes small tank fill capacity. The user-friendly interface features a built-in LCD screen, and digital push-button set-up that eliminates target calibration. It also has a built-in timer with pump/valve delay and timed pump alteration.

You can configure each of the EchoSwitch's three relays on a single set point to control pumps, valves or alarms. In addition, all three relays can be simplexed, duplexed or triplexed. Use them for a single set point alarm, two latched set points for automatic fill or empty (including lead-lag alternation), or two set points for out-of-bounds alarms. Use the 4-20 mA output with a panel display to provide local/remote level indication, or to send level data to SCADA, PLC or other recording instrumentation.



Setup is easy with integral keypad.

Note: Order optional side mounting bracket separately.

Accuracy:	±0.2% of span
Analog output:	4-20 mA (2-wire loop powered, 12-18 VDC)
Supply voltage:	95 to 250 VAC
Relay output:	relay 1: SPDT; relays 2 & 3: SPST, NO (all commons connected together)
Relay rating:	2A @ 30 VDC, 60W (DC); 2A @ 250 VAC
Process temperature:	-7 to 140°F
Temp compensation:	automatic
Maximum pressure:	30 psi
Enclosure rating:	NEMA 4X (IP65)
Conduit entrance:	dual, 1/2" NPT
Enclosure material:	polycarbonate
Transmitter material:	PVDF
Agency approvals:	CE

MFR #	SENSOR RANGE	DEAD BAND	BEAM WIDTH	MOUNTING	STOCK #	EACH
LU77-5004	4" to 9.8'	4"	2"	1" NPT(M)	66190	\$ 759.95
LU78-5004	8" to 26.2'	8"	3"	2" NPT(M)	66191	849.95

Accessories

MFR #	DESCRIPTION	STOCK #	EACH
LM50-1001-1	Side Mounting Bracket, 1" NPT Units Only	65887	\$ 42.95
LM50-1001	Side Mounting Bracket, 2" NPT Units Only	65886	33.95

Range:	0.8 to 16.4 ft
Accuracy:	±0.25% of full range
Resolution:	0.1"
Display:	3-character LCD
Control relay:	2 form-C, SPDT, 5A @ 250 VAC
Switch delay:	N/A
Power:	100-230 VAC
Operating conditions:	-4 to 140°F
Materials:	polycarbonate housing; Tefzel sensor end
Mount connection:	2" NPT(M)
Agency approvals:	CE, CSA, FM

DESCRIPTION	STOCK #	EACH
AC-Powered Switch	31160	\$ 1,294.00

