

Liquid Level Control

Conductive Liquid Level Control

Automated control, consistent liquid levels, leak detection in most conductive processes

Adds protection against damage and tank fires associated with low-level conditions

For use in most aqueous processes and waste treatment tanks

NEMA 1, IP21 flame retardant, polypropylene box



316 stainless steel, titanium, Hastelloy C[®] and graphite tipped Hastelloy probe materials



cULus and CE



LC SERIES, LIQUID LEVEL CONTROLS							
PROBE MODEL NUMBER	PROBE LENGTH In./(mm)	NUMBER OF PROBES	+	CIRCUIT BOARD ONLY	OR	ELECTRONICS IN ENCLOSURE	SHIP WGT. Lbs./(kg)
LP-2(*)6	6 (152)	2		LC		LCBA5	3 (1.5)
LP-2(*)12	12 (305)	2		LC		LCBA5	3 (1.5)
LP-2(*)18	18 (457)	2		LC		LCBA5	4 (2)
LP-2(*)24	24 (610)	2		LC		LCBA5	4 (2)
LP-2(*)30	30 (762)	2		LC		LCBA5	5 (2.5)
LP-2(*)36	36 (915)	2		LC		LCBA5	5 (2.5)
LP-2(*)48	48 (1220)	2		LC		LCBA5	6 (3)
LP-3(*)6	6 (152)	3		LC		LCBA5	3 (1.5)
LP-3(*)12	12 (305)	3		LC		LCBA5	3 (1.5)
LP-3(*)18	18 (457)	3		LC		LCBA5	4 (2)
LP-3(*)24	24 (610)	3		LC		LCBA5	4 (2)
LP-3(*)30	30 (762)	3		LC		LCBA5	5 (2.5)
LP-3(*)36	36 (915)	3		LC		LCBA5	5 (2.5)
LP-3(*)48	48 (1220)	3		LC		LCBA5	6 (3)

*Specify probe material: S = stainless steel, T = titanium, H = hastelloy C[®], G = graphite-tipped fluoropolymer (PTFE) covered standard

Features & Values

- Provides automated control and consistent liquid levels in most conductive aqueous processes, waste treatment tanks and when leak detection is required
- Adds protection against damage and tank fires associated with low-level conditions
- Two probe units: for single point control. Multi probe units: for two-point ESPV model: for direct immersion applications
- Fluoropolymer (PTFE) covered: 316 stainless steel, titanium, Hastelloy C® and graphite tipped Hastelloy probe materials. Lengths: up to 48 inches (1220mm) standard. Field trimmable (except graphite probes).
- Control enclosure: gasketed NEMA 1, IP21 flame retardant, polypropylene box with stainless steel hardware.
- Probe enclosure: vapor tight, flame retardant, polypropylene head with 10-foot (3m) flexible cord and quick connect plug for easy connection to remote circuitry
- NOTE: Do not use in flammable solutions or in the presence of flammable gases. Does not function in deionized water, oil or other non-conductive solutions.

Specifications

Capacities

- Relay rating: 10-amps at 120 to 240 volts, 50/60Hz,
- single pole, double throw.
- Sensing output: 14.5 VAC.
- Ambient temperature range: 0°F (-18°C) to 104°F(40°C).
- Maximum solution resistance: 70,000 ohm-CM
- Single phase only

Options

- Probe lengths up to 20-foot (6m).
- LC circuit board can be pre-wired into combination
- controls.
- Fluid stilling chambers.
- Longer probe cords.
- Probe cord extensions for existing units.
- 4, 5 or 6-probe devices for multiple level control applications.

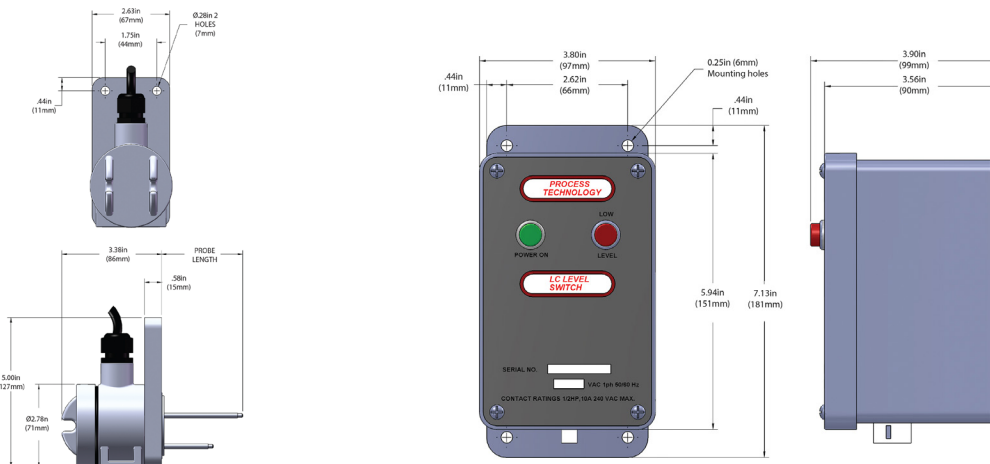
Safety Features

- Ground connection on circuit board.
- Minimal AC sensing current has no affect on plating processes.

Certifications

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Dimensions



Model Number Breakdown

LC Probe Series	Probe Assembly Only Field Trimmable		Fill in for Non-trimmable probes (Graphite only)						Electronic Assembly Only	
	Number of Probes	Probe Material	Reference Probe "C" Length (inches)*	Probe 2 Length (inches)*	Probe 3 Length (inches)*	Probe 4 Length (inches)*	Probe 5 Length (inches)*	Probe 6 Length (inches)*	Cable Length	Electronics
LP	2	S = 316 Stainless Steel	1 - 96"	1 - 96"	1 - 96"	1 - 96"	1 - 96"	1 - 96"	(Blank) - 120" -X121-240"	LCBA5 = electronics in plastic enclosure LC = level switch circuit board only.
	3	T = Titanium								
	4	H = Hastelloy C*								
	5	G = Graphite (not field trimmable)								
	6									

PROCESS TECHNOLOGY