



LC Series

Liquid Level Control

Conductive Liquid Level Control

| | | |
|---|--|--|
|  cULus and CE |  | <ul style="list-style-type: none"> ◆ 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. |
| <p>316 stainless steel, titanium, Hastelloy C[®] and graphite tipped Hastelloy probe materials</p> | | |

| 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 | | Dimensions |
|------------------------|---|------------|
| Capacities | <ul style="list-style-type: none"> ◆ 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 | <ul style="list-style-type: none"> ◆ 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 | <ul style="list-style-type: none"> ◆ Ground connection on circuit board. ◆ Minimal AC sensing current has no affect on plating processes. | |

Model Number Breakdown

| Probe Assembly Only Field Trimmable | | | Fill In for Non-trimmable probes (Graphite only) | | | | | | | Electronic Assembly Only |
|-------------------------------------|------------------|------------------------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------|---|
| LC Probe Series | 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" | LCBA5 = electronics in plastic enclosure LC = level switch circuit board only. |
| | 3 | T = Titanium | | | | | | | -X121-240" | |
| | 4 | H = Hastelloy C [®] | | | | | | | | |
| | 5 | G = Graphite (not field trimmable) | | | | | | | | |
| | 6 | | | | | | | | | |
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