

LLC

Conductivity Liquid Level Control

- Process Temperature Up to 300°F
- 120, 208 or 240 Vac Input
- 6 - 24" Probe Lengths
- Two Probe Sensors for Low Liquid Level Control
- Three Probe Sensors for Both High & Low Liquid Level Control
- Direct Immersion in Metal or Plastic Tanks
- Corrosion-Resistant Teflon® Covered Stainless Steel Probes
- Red Power ON Light & Amber Low Level Light



Description

The LLC Liquid Level Controls can be used to protect heaters and processes from damage caused by low liquid level conditions. Recommended for plastic tanks, the LLC is ideal for plating and metal finishing tanks.

The LLC operates on the principal of passing a small AC current (approximately 2mA) through a conductive solution. Advanced solid state circuitry senses the presence or absence of solution level by monitoring this current flow. The LLC consists of a 2-probe or 3-probe sensing device, and a control circuitry panel with power ON and LOW LEVEL indicators. Connections are provided for an Alarm Light, Alarm Horn, and, on the 3-probe model, a pump or pump starter for refill.

The LLC2 (2 probes) protects heaters and equipment against hazards associated with low liquid conditions. The LLC3 (3 probes) performs dual functions: low level protection, and level refill capabilities (high level). The LLC must be used with conductive solutions.

With a NEMA 4X flame retardant plastic case, and Teflon® covered probes, the LLC is well suited for many corrosive industrial environments.

WARNING: Do Not use in flammable or nonconductive solutions.

Specifications

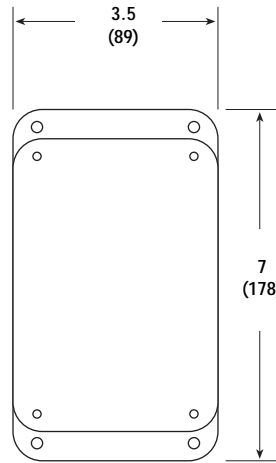
Input	120/208-240 Vac, Single Phase, 60 Hz, 5 Watts
Output	SPDT (1-NO), (1-NC), 240 Vac, 10 Amps, 1/2 HP Max. at 240 Vac
Ambient	0-120°F, 99% RH
Process Temperature	Up to 300°F
Probes	Teflon® sheathed stainless steel (Titanium, Hastelloy® or graphite optional)
Sensing Output	16 Vac, 70,000 Ohm maximum solution resistance
Case	NEMA 4X, flame-retardant plastic

LLC

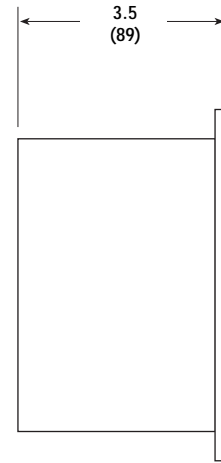
Conductivity Liquid Level Control *(cont'd.)*

Dimensions

LC Circuitry

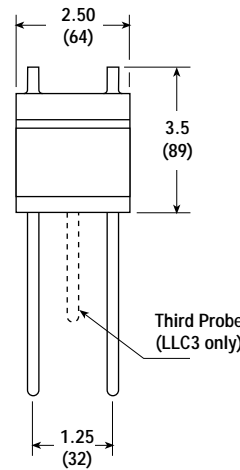


Front View

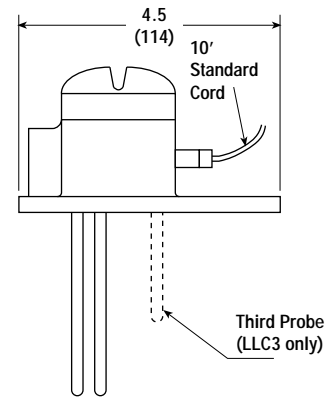


Side View

2 Probe (LLC2) and 3 Probe (LLC3) Head



Front View



Side View

All Dimensions in Inches (mm)

Ordering Information

Probe ¹ Length (In.)	LLC2 (2 Probes)			LLC3 (3 Probes)			Wt. (Lbs.)
	Model	Stock	PCN	Model	Stock	PCN	
6	LLC2-06S	NS	227512	LLC3-06S	NS	227598	3
12	LLC2-12S	S	227539	LLC3-12S	NS	227619	3
18	LLC2-18S	NS	227555	LLC3-18S	NS	227635	4
24	LLC2-24S	S	227571	LLC3-24S	S	227651	4

Stock Status: S = stock AS = assembly stock NS = non-stock

Notes —

- Probe material is Teflon® covered stainless steel. Other probe materials available are Teflon® covered Titanium or Hastelloy® C. Change the S to a T for Titanium or H for Hastelloy® C. Longer probe lengths are available. Contact factory.