

### ► Model EC110 Liquid Level Controller

This open board level controller is specifically designed with safety and reliability in mind.

The EC110 Liquid Level Controller is a cost effective microcontroller based solution designed for the foodservice OEM equipment industry. This unit utilizes a remote probe.

The compact size of the EC110 allows the controller to be placed virtually anywhere on or in the controlled appliance. Installation is fast, simple and inexpensive. The board's dual redundancy provides a critical safety feature that prevents overflow and leakage problems. Single or dual probe versions can maintain correct fill levels plus manage high and low level conditions with customer specified responses. The EC110 Liquid Level Controller is the ideal replacement for your existing electromechanical float switch or design into new applications.

The EC110 Liquid Level Controller is a standard design that is highly customizable to meet your specific requirements.



#### LCR Offers:

- Full design, development and manufacturing capabilities
- Compliance to domestic and international agency requirements including EMC
- Through-hole and surface mount designs with 100% testing
- Integrated EMI filtering

#### Typical Applications:

- Coffee Makers
- Urns
- Hot Beverage Dispensers
- Powder Mix Dispensers
- Water Containers for Humidity Control

Models Available for fill or drain operation.

## ► Model EC110 Liquid Level Controller (continued)

### SPECIFICATIONS

**Input Voltage:**

24, 120, or 208/240 VAC, 50/60 Hz.

**Power Consumption:**

5 W Max.

**Level Probe:**

Conductive.

**Probe Current:**

< 1/2 mA.

**Outputs:**

24-250VAC @ 16A SPST relay, life - 100,000 cycles.

**Level Control Type:**

On/Off.

**Persistence:**

Normally 1 second.

**Diagnostics:**

Power On LED, Fault LED and remote fault indicator. Software detects overflow, probe fail and excessive fill time.

**Operating Conditions:**

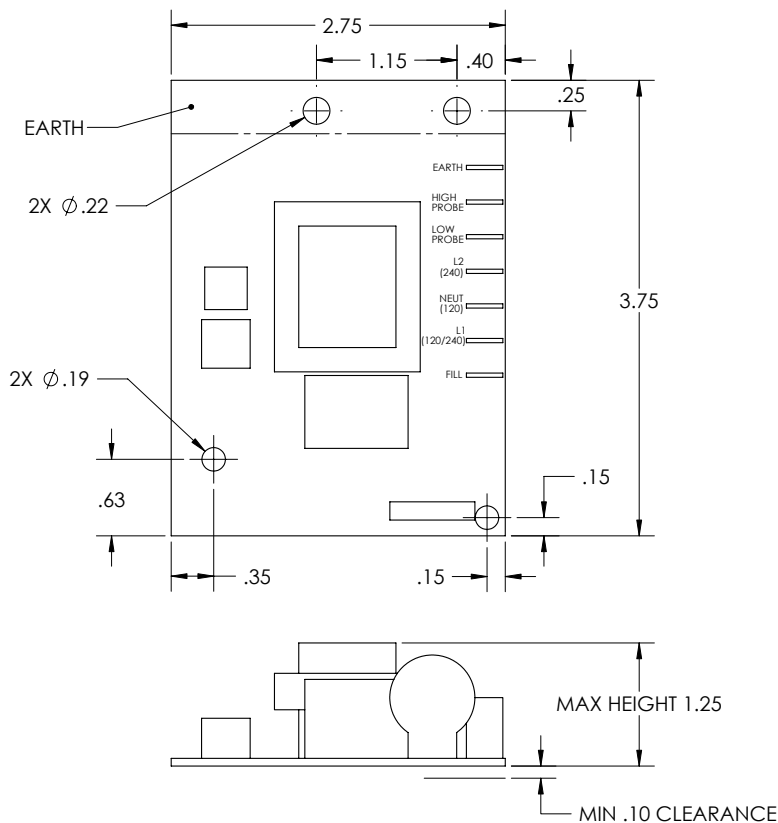
-40°C to 85°C, >95% humidity, non-condensing.

**Shipping Weight:**

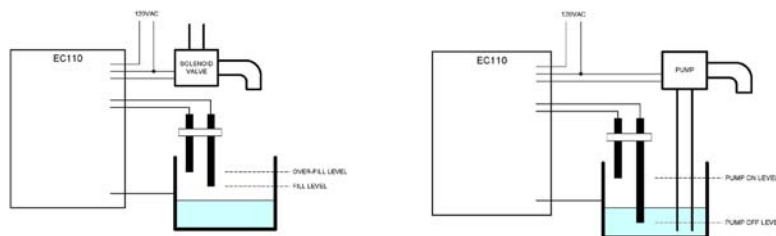
Each unit weighs approximately 4 oz. (113.40 g).

**Mounting Options:**

Open board mounts on standoffs.



### Operation



### WARRANTY

LCR provides a limited one-year warranty for its products. A copy of the complete warranty plus other terms and conditions of sale are available upon request.

LCR Electronics designs, develops and manufactures EMI filters, electronic controls, motor controls, backplane & subsystems, and wire harness assemblies. All LCR products are designed and developed at the Norristown, PA facility. Electronic and motor controls are manufactured at either LCR's wholly owned low cost China facility or at the US facility.

Due to a policy of continuous improvement and quality assurance, specifications are subject to change without notice.

RoHS



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