

► Model EC112 Temperature Controller

This open board temperature controller is specifically designed with a proportional integral variable duty cycle control algorithm to provide the most precise temperature control and eliminate hysteresis.

The EC112 Temperature Controller is a cost effective microcontroller based solution designed for the foodservice OEM equipment industry. This unit utilizes a remote setpoint potentiometer.

The compact size of the EC112 allows the controller to be placed virtually anywhere on or in the controlled appliance. Installation is fast, simple and inexpensive. Highly accurate and working with a wide selection of sensors, the EC112 is the ideal replacement for your existing controller or design into new applications.

The EC112 Temperature Controller is a standard design that is highly customizable to meet your specific requirements.



Typical Applications:

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.

- Ovens
- Fryers
- Holding Cabinets
- Griddles
- Toasters
- Refrigeration

► Model EC112 Temperature Controller (continued)

SPECIFICATIONS

Input Voltage:

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

Power Consumption:

5 W Max.

Temperature Probe:

Thermistor, RTD or Thermocouple.

Outputs:

24-250VAc @ 16A SPST relay, life - 100,000 cycles or 24-250VAC @ 100 ma Triac.

Temperature Control Range:

150°F - 500°F (65°C - 260°C). Custom ranges available.

Temperature Offset:

As required. Each unit calibrated at the factory.

Temperature Control Type:

On/Off.

Temperature Accuracy:

+/-2°F.

User Interface:

Remote potentiometer, sold separately.

Diagnostics:

Probe open/short.

Operating Conditions:

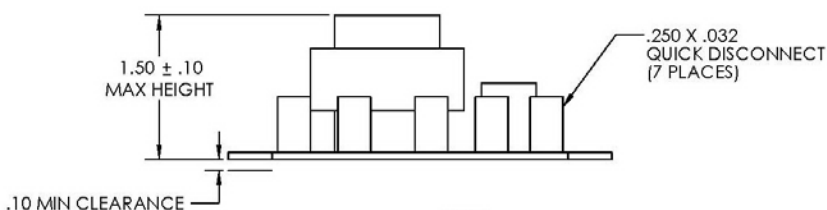
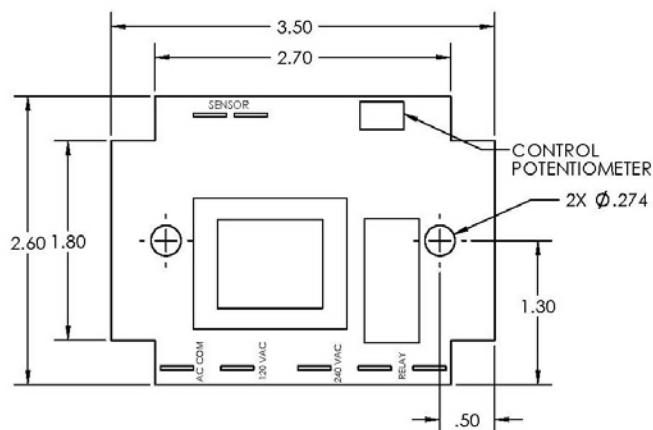
-40°C to 85°C, >95% humidity, non-condensing.

Shipping Weight:

Each unit weighs less than 8 oz. (226.80 g).

Mounting Options:

Open board mounts on standoffs.



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.



9 South Forest Avenue • Norristown, PA 19401
Fax: (610) 278-0935 • email: sales@lcr-inc.com

1-800-527-4362 www.lcr-inc.com

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

