

## Operation

H3 and L3 power controllers are solid-state, zero-cross fired proportional devices. Line voltage is switched 0-100% linear with respect to the input range. An adjustable timebase controls power to the load based on a milliamp input signal. For example, an input signal at the middle of the input range will cycle on and off for equal times. Line voltage is used to power the electronics. Masters can operate alone or can drive numerous slaves to control multiple resistive-type heater loads. Features of these controllers include an LED to indicate when the output should be on. The output will be shut off if the input signal is disconnected or shorted.

## Specifications

Storage Temp: -40° to 190°F  
 Operating Temp: 32°F to 132°F  
 Line Voltage: 440VAC +/- 10%  
 Isolation: 2500Vrms input to output  
 Isolation: 2500Vrms output to heatsink  
 Load Current: 0.5A to 50A maximum  
 Load Wire Range: 2-18 AWG copper  
 Adjustable Input: 4-20mA +/- 10%  
 Input Impedance: 250Ω (mA input)  
 Input Wire Range: 16-22 AWG copper  
 Adjustable timebase: 0.25 – 6 sec

### Catalog and Part Numbers:

**101 - H3 - 480 - 50 - 1473**

### Type:

**Master**

**101 - L3 - 480 - 50 - 1392**

**Slave**

### Physical Dimensions and Wiring Diagram

