**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
  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

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**Catalog and Part Numbers:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master</td>
<td>101 - H3 - 480 - 50 - 1473</td>
</tr>
<tr>
<td>Slave</td>
<td>101 - L3 - 480 - 50 - 1392</td>
</tr>
</tbody>
</table>

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**Physical Dimensions and Wiring Diagram**