AUTOMATIC CURRENT INDICATORS
FOR CONTINUOUS INDICATION OF CURRENT FLOW

TWO TYPES AVAILABLE
1. CURRENT RING WITH BUILT-IN LED
2. CURRENT RING WITH REMOTE LED

RED OR GREEN

FEATURES:
- Small, compact
- Economical
- Reliable
- High sensitivity
- No additional wiring
- Easy to install
- Rugged
- Negligible power consumption

INDICATES HEATER FAILURE IMMEDIATELY

SPECIFICATIONS:
- Totally encapsulated
- Outside diameter: .95 inch
- Thickness: .46 inch
- Maximum number of insulated wires allowed through opening:
  - One pass: 6 AWG
  - Two passes: 10AWG
  - Three passes: 12 AWG
  - Four passes: 18 AWG
- Minimum watts needed for power:
  
<table>
<thead>
<tr>
<th>Voltage</th>
<th>120V</th>
<th>240V</th>
</tr>
</thead>
<tbody>
<tr>
<td>One pass - Red LED 2A</td>
<td>240W</td>
<td>480W</td>
</tr>
<tr>
<td>Green LED 2.5A</td>
<td>300W</td>
<td>600W</td>
</tr>
<tr>
<td>Two passes - Red LED 1A</td>
<td>120W</td>
<td>240W</td>
</tr>
<tr>
<td>Green LED 1.25A</td>
<td>150W</td>
<td>300W</td>
</tr>
<tr>
<td>Three passes - Red LED .66A</td>
<td>60W</td>
<td>120W</td>
</tr>
<tr>
<td>Green LED .83A</td>
<td>75W</td>
<td>150W</td>
</tr>
</tbody>
</table>
- Illumination is visible up to 60 degrees from center axis of LED
- Storage temperature: -55°C to +100°C
- Operating temperature: -55°C to +80°C
- Color: CR516 - Yellow
  CR516WL - Black

ELECTRICAL CHARACTERISTICS:
- Operates at any voltage, 50-60Hz
- Completely insulated
- Totally self-contained, requires no electrical connection
- Sensitivity in proportion to the number of wire passes through opening
- Maximum current: 100 Ampere

TYPICAL APPLICATIONS:
- Load sensing
- Detect power loss
- Indicate phase loss
- Detect heater current
- Sense ground fault
- Detect motor operation
- Indicate open fuses
- CURRENT RING™ is a small, self-contained device used for indicating electrical current flow. This device provides a safe, economical and efficient way to indicate the presence (or absence) of electrical current flow. A current-carrying wire is passed through the opening in the center of the device. When current in the wire reaches above the minimum operating level the Light Emitting Diode (LED) extending from the device begins to illuminate.
- The current transformer is specially designed to provide maximum secondary voltage at low primary current levels. The core is designed with special saturation characteristics to limit its output voltage at high primary currents. The output of the current transformer is further attenuated with an attached zener diode and resistor.
- A typical application would be in troubleshooting an electrical control panel. The device would be attached to specific wires in a control panel. Simply noticing whether the device was illuminated would provide an immediate indication of the electrical status of the wire.
- Another application would be in a process heating system with electrical heaters wired in parallel. Wires from each heating element would be routed through the opening in the device. The device would then show immediately which element was in operation and which was open.
- The device is supported by the current carrying wire and, if necessary, may be secured in place with a Nylon tie.

CONSTRUCTION:
CURRENT RING™ is a proprietary design current transformer with an integrally mounted LED.

The LED is a high efficiency device to provide maximum light output at low input currents.

The entire unit is encapsulated in a hard plastic housing.

PRICE:

BUILT-IN

<table>
<thead>
<tr>
<th>Quantity</th>
<th>CR516 Current Ring (Red LED)</th>
<th>CR516G Current Ring (Green LED)</th>
<th>MB516 Panel Mounting Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-11 Pcs.</td>
<td>$16.10</td>
<td>$21.95</td>
<td>$3.15 ea.</td>
</tr>
<tr>
<td>12+ Pcs.</td>
<td>$15.40</td>
<td>$20.95</td>
<td></td>
</tr>
</tbody>
</table>

REMOTE

<table>
<thead>
<tr>
<th>Quantity</th>
<th>CR516WL Current Ring</th>
<th>CRPH LED (Red)</th>
<th>CRPHG LED (Green)</th>
<th>PH31 Splash Proof LED (Red)</th>
<th>PH31G Splash Proof LED (Green)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-11 Pcs.</td>
<td>$13.05</td>
<td>$8.50</td>
<td>$10.25</td>
<td>$11.30</td>
<td>$13.70</td>
</tr>
<tr>
<td>12+ Pcs.</td>
<td>$12.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</table>