**Current Indicators**

**Wire-Mounted Current Indicators**

Tempco’s wire-mounted electrical current indicators provide an effective method of monitoring electrical current. The indicator is attached directly to a current-carrying wire. When the current exceeds the turn-on point, the LED will illuminate to indicate the presence of current.

**Red LED Indicator**  
Part Number: CTT00001

**Green LED Indicator**  
Part Number: CTT00002

**Panel Mounting Bracket**  
Part Number: CTT00003

<table>
<thead>
<tr>
<th>Wire Passes</th>
<th>Turn-On Point (Amps AC)</th>
<th>Max. Wire Dia. (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red LED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>2.5</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>1.25</td>
</tr>
<tr>
<td>3</td>
<td>.66</td>
<td>.83</td>
</tr>
<tr>
<td>N</td>
<td>2 ÷ N</td>
<td>2.5 ÷ 2</td>
</tr>
</tbody>
</table>

**Specifications**

- **Max. Wire Dia.:** .29 inches
- **Indicating Range:** 2 to 100 Amps AC
- **Max. Transient Current:** 150A for 5 sec.
- **Working Class:** 600 Volts, 50-60 Hz
- **Lead Wire Length:** 12"
- **Max. Operating Temperature:** 140°F/60°C

**Applications**

- Monitor Heater Element Status
- Observe Remote Loads

**Remote Current Indicators**

The Tempco remote current sensing transformer is installed around the current-carrying wire and is connected directly to the LED panel indicator. When the current exceeds the turn-on point of the sensing transformer, the LED illuminates to indicate the presence of current. Two sizes of remote current sensing transformers are available for use with either of two types of LED indicators listed below at right.

**Typical Applications**

- Indicate Open Heater Elements
- Observe Remote Loads
- Indicate Phase Loss
- Monitor Motor Operation

**Specifications**

- **Max. Wire Dia.:** .55 inches
- **Indicating Range:** 2.5 to 100 Amps AC
- **Max. Transient Current:** 150A for 5 sec.
- **Working Class:** 600 Volts, 50-60 Hz
- **Lead Wire Length:** 24"
- **Max. Operating Temperature:** 140°F/60°C

**Surface Mounting Bracket**  
For use on model CTT00005 only

- **Dimensions:** 1.37" x 1.25"
- **Mounting Dims.:** (2) #6 screws .87" apart

**Panel LED Indicators for Remote Current Transformers**

**Press-In LED Panel Indicator**  
LED Type: T-1-3/4", Red Bipolar  
Mounting Hole: .250"  
Part Number: CTL00001

**Splash-Proof LED Indicator**  
Supplied with rubber sealing washer  
LED Type: T-1-1/4", Red Bipolar  
Mounting Hole: .312"  
Part Number: CTL00002

<All Items Available from Stock>