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: 10 AWG
  - Three passes: 12 AWG
  - Four passes: 18 AWG
- Minimum watts needed for power:
  - 120V / 240V
    - One pass - Red LED 2A
    - 240W / 480W
    - Green LED 2.5A
    - 300W / 600W
    - Two passes - Red LED 1A
    - 120W / 240W
    - Green LED 1.25A
    - 150W / 300W
    - Three passes - Red LED .66A
    - 60W / 120W
    - Green LED .83A
    - 75W / 150W
- 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

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

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 and which was open.

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 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 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.

BUILT-IN

| Current Ring (Red LED) | 1-11 Pcs. | $13.30 |
| 12-24 Pcs. | $12.70 |

| Current Ring (Green LED) | 1-11 Pcs. | $18.20 |
| 12-24 Pcs. | $17.35 |

CR516 Panel Mounting Bracket $2.60 ea.

REMOTE

| Current Ring | 1-11 Pcs. | $10.80 |
| 12-24 Pcs. | $10.35 |

| LED (Red) | $7.05 |
| LED (Green) | $8.50 |
| Splash Proof LED (Red) | $9.35 |
| Splash Proof LED (Green) | $11.35 |

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