**Ground-Fault & Phase-Voltage Indicator**

**Description**

The EL3100 is a self-powered ground-fault and phase-voltage indication system for 3-phase systems. The EL3100 meets the National Electrical Code (NEC) and the Canadian Electrical Code (CEC) requirements for ground detectors for ungrounded alternating-current systems. Voltage connections are provided on the EL3100 for 208, 240, 480, and 600-V systems. Three green LED’s on the EL3100 indicate the presence of phase-to-ground voltage and one red LED indicates a ground fault. The EL3100 can operate stand-alone or with up to five remote LED indicators. A solid-state relay output provides indication of a ground fault. The output relay is closed when the 3-phase neutral voltage shifts as the result of ground leakage.

**Features & Benefits**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
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</thead>
<tbody>
<tr>
<td>NEC® and CEC Code compliant</td>
<td>Meets National Electrical Code (NEC®) Article 250.21 and Canadian Electrical Code Part 1, Section 10-106 (2) requirements for ungrounded systems</td>
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<td>Low-voltage remote LEDs</td>
<td>System voltage is not present at the remote LED location</td>
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<td>Phase-voltage indication</td>
<td>Indicates the presence of voltage on both grounded and ungrounded systems</td>
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<tr>
<td>Output relay</td>
<td>Allows for remote ground-fault indication</td>
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</table>

**Simplified Circuit Diagram**

![Simplified Circuit Diagram](image)

**Ordering Information**

<table>
<thead>
<tr>
<th>ORDERING NUMBER</th>
<th>MOUNTING</th>
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<tbody>
<tr>
<td>EL3100-00</td>
<td>DIN, Surface</td>
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</table>

**Accessories**

**Remote LEDs**

High-intensity 16-mm IP67 LED lamps available in red and green colors.

**Specifications**

- **Input Voltage**
  - Input L: 208/240 Vac
  - Input H: 480/600 Vac

- **Dimensions**
  - **H**: 87.0 mm (3.43”)
  - **W**: 112.5 mm (4.43”)
  - **D**: 56.0 mm (2.2”)

- **Approvals**
  - CSA certified, UL Listed (E340889)

- **Conformally Coated**
  - Standard feature

- **Warranty**
  - 5 years

- **Mounting**
  - DIN, Surface