**Description**

The SE-502 Ground-Fault Ground-Continuity Detector provides Class-A GFCI trip level and trip times for personnel protection. As little as 5 mA of ground-fault current can be detected, and the internal neutral-grounding resistor limits the maximum ground-fault current to 100 mA. The SE-502 can be used on both energized and de-energized systems, and will continuously monitor neutral continuity, detect a load-side grounded neutral, and is capable of ground proving. These features make the SE-502 ideal for use with 120/208 V portable generators and in heat-trace applications.

**Features & Benefits**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitive 5 mA ground-fault detection</td>
<td>Can be used with an appropriate breaker to provide Class A GFCI people protection</td>
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<tr>
<td>Internal neutral-grounding resistor</td>
<td>Limits maximum ground-fault current to 100 mA, creates a safer system and eliminates arc-flash ground-fault hazards</td>
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<td>Neutral-to-ground connection monitoring</td>
<td>Can detect a hazardous ungrounded condition and trip or alarm</td>
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<tr>
<td>On- and off-line monitoring</td>
<td>Can detect a ground fault when the system is energized or de-energized</td>
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<tr>
<td>Output contacts</td>
<td>Two Form C output contacts for alarming or tripping purposes</td>
</tr>
</tbody>
</table>

**Specifications**

- **IEEE Device Numbers**
  - Ground (Earth) Detector Relay (64)
  - Lockout Relay (86)
  - Open-Neutral Detector Relay (95)
- **Input Voltage**
  - 120 Vac, 50/60 Hz
- **Dimensions**
  - H 75 mm (3.0")
  - W 100 mm (4.0")
  - D 113 mm (4.4")
- **Trip Level Settings**
  - 5 ± 0.9 mA
- **Trip Time Settings**
  - Class A GFCI to 25 ms maximum
- **Contact Operating Mode**
  - Trip: fail-safe or non-fail-safe
  - Alarm: fail-safe
- **Reset Button**
  - Standard feature plus remote input
- **Output Contacts**
  - Two Form C
- **Warranty**
  - 5 years
- **Mounting**
  - DIN, Surface

**Ordering Information**

<table>
<thead>
<tr>
<th>ORDERING NUMBER</th>
<th>CONTROL POWER</th>
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</thead>
<tbody>
<tr>
<td>SE-502-01</td>
<td>120 Vac</td>
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</tbody>
</table>