SE-502 SERIES

Ground-Fault Ground-Continuity Detector

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>
</tr>
<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>
</tr>
<tr>
<td>Neutral-to-ground connection monitoring</td>
<td>Can detect a hazardous ungrounded condition and trip or alarm</td>
</tr>
<tr>
<td>On- and off-line monitoring</td>
<td>Can detect a ground fault when the system is energized or de-energized</td>
</tr>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>SE-502-01</td>
<td>120 Vac</td>
</tr>
</tbody>
</table>