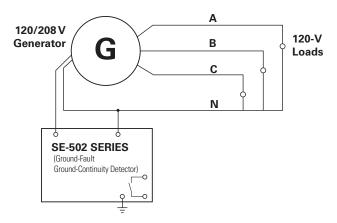


SE-502 SERIES

Ground-Fault Ground-Continuity Detector



Simplified Circuit Diagram



Ordering Information

ORDERING NUMBER	CONTROL POWER
SE-502-01	120 Vac

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

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

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 $5 \pm 0.9 \text{ mA}$

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