



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

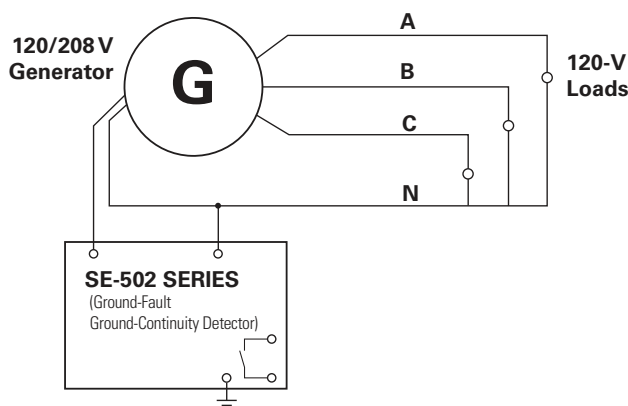


# SE-502 SERIES

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

### Specifications

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