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ALLOSUN GFCI Receptacle Tester Instruction Manual

Model: EM9807

1. Introduction

The ALLOSUN Model EM9807 GFCI Receptacle Tester is a compact and essential tool designed for quickly and accurately checking the wiring status of North American 3-wire AC electrical outlets and testing the functionality of Ground Fault Circuit Interrupter (GFCI) receptacles. This device is ideal for electricians, handymen, and DIY enthusiasts to ensure electrical safety and proper installation in residential and commercial settings.

2. Safety Information

WARNING: Always exercise caution when working with electricity. This tester is designed to assist in identifying wiring issues, but it does not replace the need for professional electrical knowledge or adherence to local electrical codes.

- Do not use if the tester appears damaged.
- Do not use in wet conditions or with wet hands.
- Always ensure the power is off before attempting any wiring changes based on test results.
- This tester is designed for 100-125V AC receptacles only.
- Always follow all applicable safety regulations and procedures.

3. Product Features

- **General Usage:** ALLOSUN socket tester allows electricians, handymen or the DIYer to properly check for correct wiring on US power outlets.
- **GFCI Trip Function:** Allows for the check of trip function for GFCI.
- **Clear Readouts:** Colorful and bright readouts will provide the correct diagnosis every time.
- **Compatibility:** Made with standard U.S. sockets in mind, for 100-125V AC Outlets, 60Hz frequency.
- **Durability:** Hi-Impact Resistant housing made of hardened durable plastic.
- **Ergonomic Design:** Compact and ergonomic design with textured side design for grip.

4. Package Contents

- 1 x ALLOSUN GFCI Outlet Tester (Model EM9807)

5. Specifications

ALLOSUN EM9807 GFCI Receptacle Tester Specifications

Parameter	Value
Model Number	EM9807
Operating Voltage	AC 100V ~ 125V
Operating Frequency	60Hz
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	< 80% relative humidity
Storage Temperature	-10°C ~ 45°C (14°F ~ 113°F)
Storage Humidity	< 80% relative humidity
Dimensions (L x W x H)	101 x 48 x 33 mm (4 x 2.6 x 1.9 inches)
Weight	Approximately 50g (0.64 ounces)
Material	ABS



Image: Detailed specifications of the ALLOSUN EM9807 GFCI Receptacle Tester, including operating voltage, frequency, temperature, humidity, dimensions, and weight.

6. Setup

The ALLOSUN EM9807 GFCI Receptacle Tester requires no batteries or complex setup. It is ready for use directly out of the package.

1. Ensure the tester is clean and free from any visible damage.
2. Locate the North American standard 3-prong AC electrical outlet you wish to test.



Image: Front view of the ALLOSUN GFCI Receptacle Tester, showing its red casing, three indicator lights (R, G1, G2), and the GFCI test button.

7. Operating Instructions

7.1. Receptacle Wiring Test

To test the wiring of a standard 3-wire receptacle:

1. Plug the ALLOSUN EM9807 tester firmly into the 3-prong outlet.
2. Observe the pattern of the three indicator lights (R, G1, G2) on the tester.

3. Refer to the wiring chart below to interpret the light pattern and identify any wiring faults.



Image: The ALLOSUN GFCI Receptacle Tester plugged into a standard wall outlet, demonstrating its compact size and ease of use.

Wiring Fault Chart

R Lamp	G1 Lamp	G2 Lamp	Fault Indication
○ Off	● On	● On	Open Ground
● On	○ Off	● On	Open Neutral
● On	● On	○ Off	Open Hot
○ Off	○ Off	● On	Hot and Ground Reversed
○ Off	● On	○ Off	Hot and Neutral Reversed

R Lamp	G1 Lamp	G2 Lamp	Fault Indication
● On	○ Off	○ Off	Correct Wiring

Note: ● indicates the lamp is ON, ○ indicates the lamp is OFF.

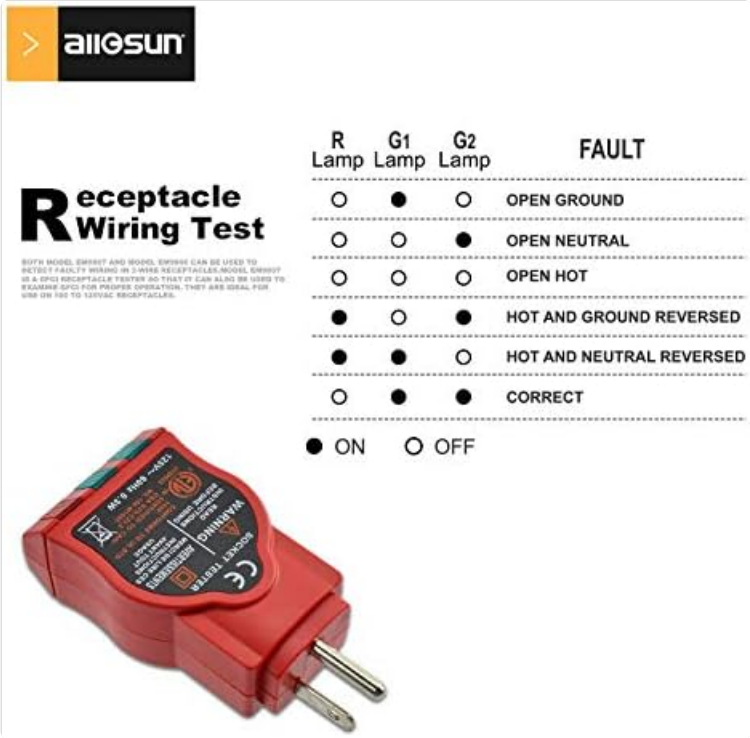


Image: Diagram illustrating the ALLOSUN GFCI Receptacle Tester's light patterns (R, G1, G2) and their corresponding wiring fault indications, including Open Ground, Open Neutral, Open Hot, Hot/Ground Reverse, Hot/Neutral Reverse, and Correct.

7.2. GFCI Test

To test a GFCI receptacle for proper operation:

1. First, perform a receptacle wiring test as described above. Ensure the outlet shows "Correct Wiring" before proceeding with the GFCI test. **Do not proceed with the GFCI test if any wiring fault is indicated.**
2. With the tester plugged into the GFCI outlet and showing "Correct Wiring", press the GFCI test button located on the front of the tester.
3. A working GFCI outlet should trip, cutting power to the outlet and causing the indicator lights on the tester to turn off. The GFCI receptacle's reset button should pop out.
4. If the GFCI does not trip, it indicates a malfunction and the GFCI receptacle should be replaced or inspected by a qualified electrician.
5. To restore power, press the reset button on the GFCI receptacle.

8. Maintenance

- Keep the tester clean and dry. Wipe with a soft, dry cloth as needed.
- Store the tester in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid dropping the tester or subjecting it to strong impacts.

9. Troubleshooting

Tester Lights Do Not Illuminate

- **Check Power:** Ensure the outlet has power. Try plugging in a known working appliance.
- **Firm Connection:** Make sure the tester is fully and firmly inserted into the outlet.
- **Tester Damage:** Inspect the tester for any visible damage. If damaged, do not use.

GFCI Does Not Trip During Test

- **Wiring Fault:** Ensure the receptacle wiring is correct ("Correct Wiring" indication) before performing the GFCI test. The GFCI test will not function correctly if there is a wiring fault.
- **Faulty GFCI:** If the wiring is correct and the GFCI does not trip, the GFCI receptacle itself may be faulty and require replacement.

10. Warranty and Support

ALLOSUN provides an after-sale service warranty within 1 year from the date of purchase, provided the damage is not artificial. For any issues regarding your order or product, please contact the responsive ALLOSUN customer care team. You can find contact information on the official ALLOSUN website or through your purchase platform.
For more information and support, visit the official ALLOSUN Store on Amazon.

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