Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

allsun EM9805

allsun GFCI Electrical Outlet Receptacle Tester EM9805 User Manual

Model: EM9805

1. Introduction

The allsun GFCI Electrical Outlet Receptacle Tester (Model EM9805) is a compact and reliable device designed to quickly and accurately check the wiring status of standard 95-125 VAC, 3-wire electrical outlets. It helps identify common wiring faults such as open ground, open neutral, open hot, reversed hot/ground, and reversed hot/neutral. This tester also features a GFCI test button to verify the functionality of Ground Fault Circuit Interrupter outlets, ensuring electrical safety in your home or workplace.



Image: The allsun GFCI Electrical Outlet Receptacle Tester, showing its compact design and indicator lights.

2. Safety Information

- Always ensure the tester is in good working condition before use.
- Do not use the tester if it appears damaged or faulty.
- This tester is designed for standard 95-125 VAC, 3-wire outlets only. Do not use it on other voltage systems or outlet types.
- The tester will not detect a combination of defects.
- Use caution when working with voltage above 30V AC rms, 42V peak, or 60V DC. Such voltages pose a shock hazard.
- Always consult a qualified electrician for any wiring issues detected by the tester. Do not attempt to repair faulty wiring yourself unless you are qualified.



Image: The allsun GFCI Tester plugged into an outlet, with text indicating operating environment specifications and a crucial safety caution regarding voltage levels.

3. Product Features

- **Receptacle Tester Function:** Checks and confirms proper wiring of AC outlets.
- **Fault Detection:** Detects common improper wiring problems including open ground, open neutral, open hot, dual open (neutral and ground), reversed hot/ground, and reversed hot/neutral.
- **GFCI Test Button:** Allows for testing of Ground Fault Circuit Interrupter outlets.
- **Easy-to-Read Indicators:** Color-coded LED lights provide clear visual indication of wiring status.
- **Durable Design:** Compact ergonomic design with impact-resistant ABS housing.
- **Operating Voltage:** Standard 95-125 VAC, at 60Hz.



Image: The allsun GFCI Tester showing its compact dimensions, approximately 3.1 inches in height and 1.5 inches in width.

4. Setup

The allsun EM9805 GFCI Electrical Outlet Receptacle Tester requires no complex setup. It is a plug-and-play device. Simply ensure the outlet you intend to test is a standard 3-wire, 95-125 VAC outlet.

1. Unpack the tester from its packaging.
2. Visually inspect the tester for any signs of damage before use.
3. Ensure the electrical outlet is easily accessible and free from obstructions.

5. Operating Instructions

5.1. Basic Wiring Test

1. Plug the allsun EM9805 tester firmly into the 3-wire receptacle you wish to test.
2. Observe the combination of the three indicator lights (R, Y1, Y2) on the tester.
3. Refer to the "Understanding Indicator Lights" section (Section 6) to interpret the wiring status indicated by the lights.



Image: The allsun GFCI Tester plugged into a wall outlet, highlighting the GFCI Test Button and the labels for the indicator lamps (R, Y1, Y2).

5.2. GFCI Test

To test a Ground Fault Circuit Interrupter (GFCI) outlet:

1. First, perform a basic wiring test as described above (Section 5.1) to ensure the outlet is correctly wired. The GFCI test will not function correctly if the outlet is improperly wired.
2. If the wiring is correct (indicated by the "CORRECT" light pattern), press the GFCI test button located on the front of the tester.
3. A properly functioning GFCI outlet should trip, cutting power to the outlet. The indicator lights on the tester will

turn off.

4. If the GFCI does not trip, it indicates a malfunction, and the outlet should be inspected by a qualified electrician.
5. To restore power, press the "RESET" button on the GFCI outlet.

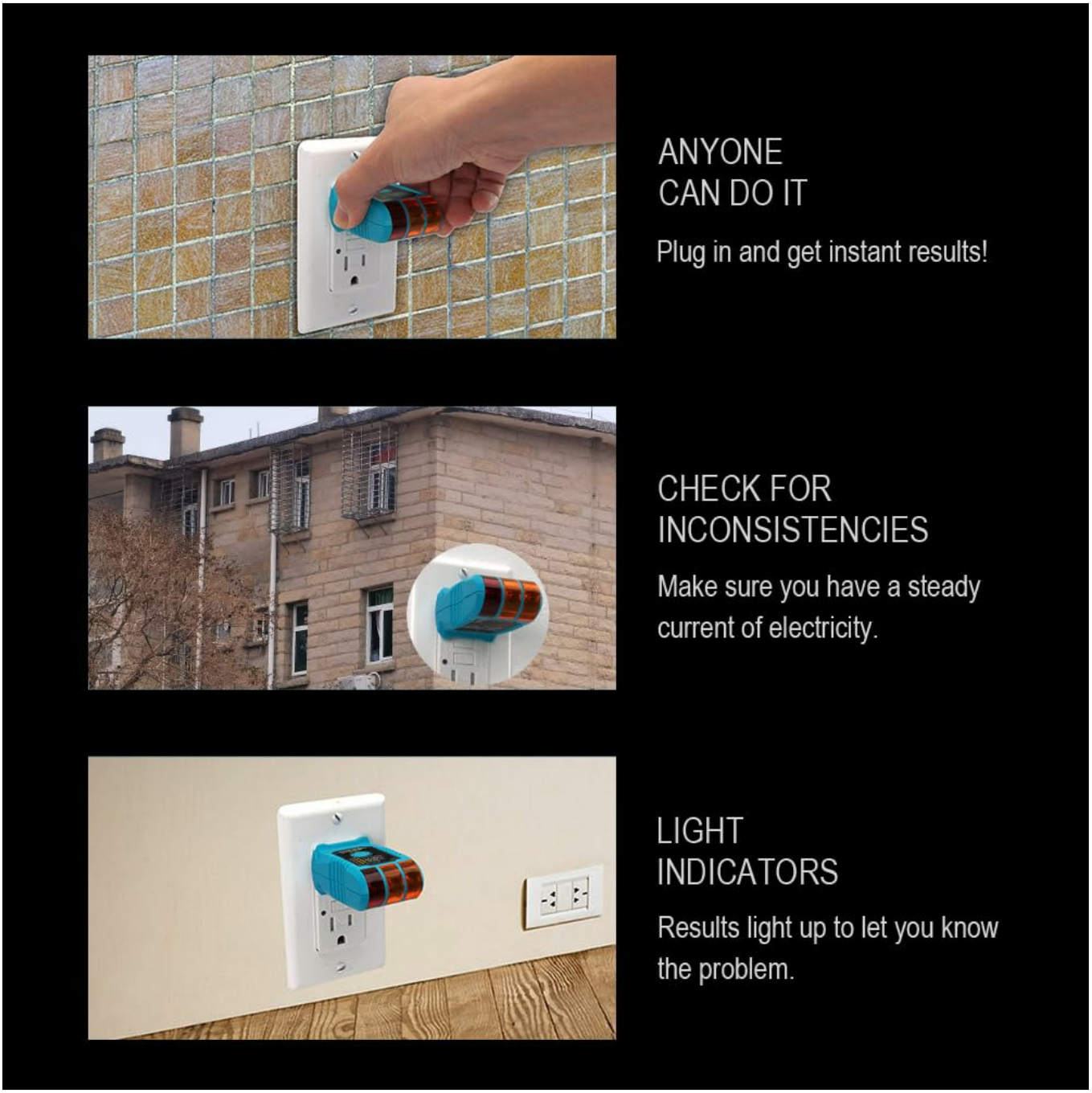


Image: A collage demonstrating the simplicity of using the tester: "ANYONE CAN DO IT" by plugging it in, "CHECK FOR INCONSISTENCIES" to ensure steady current, and "LIGHT INDICATORS" to show results.

6. Understanding Indicator Lights

The allsun EM9805 uses a combination of three indicator lights (R, Y1, Y2) to display the wiring status. Refer to the table below for interpretation:

Wiring Fault Indicator Chart

"R" Lamp	"Y1" Lamp	"Y2" Lamp	FAULT
○ (OFF)	● (ON)	○ (OFF)	OPEN GROUND

"R" Lamp	"Y1" Lamp	"Y2" Lamp	FAULT
○ (OFF)	○ (OFF)	● (ON)	OPEN NEUTRAL
○ (OFF)	● (ON)	● (ON)	OPEN HOT
● (ON)	○ (OFF)	● (ON)	HOT AND GROUND REVERSED
● (ON)	● (ON)	○ (OFF)	HOT AND NEUTRAL REVERSED
○ (OFF)	● (ON)	● (ON)	CORRECT

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



Image: A detailed chart illustrating the various light patterns (R, Y1, Y2 lamps) and their corresponding wiring fault interpretations, including the "Correct" wiring indication.

7. Maintenance

- **Cleaning:** Wipe the tester with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place, away from direct sunlight and extreme temperatures. The recommended storage temperature is -10°C to 45°C (14°F to 113°F) with relative humidity less than 80%.
- **Inspection:** Periodically inspect the tester for any physical damage, such as cracks in the housing or bent prongs. Discontinue use if damage is found.

8. Troubleshooting

- **Tester lights do not illuminate:**
  - Ensure the tester is fully inserted into the outlet.
  - Check if the outlet has power (e.g., by plugging in a lamp).
  - The outlet may have no power or be completely open (all wires disconnected).
  - If the outlet has power and the tester still doesn't light up, the tester may be faulty.
- **GFCI does not trip when button is pressed:**
  - First, verify the outlet wiring is "CORRECT" using the basic wiring test. A GFCI will not trip if the wiring is incorrect.
  - The GFCI outlet itself may be faulty and require replacement by a qualified electrician.
- **Inconsistent readings:**
  - Ensure the tester is firmly seated in the outlet.
  - Test the tester on a known good outlet to confirm its functionality.
  - The tester will not detect a combination of defects. If multiple issues are suspected, further investigation by a professional may be required.

9. Specifications

- **Model:** EM9805
- **Operating Voltage:** 95-125 VAC, 60Hz
- **Wiring Detection:** Open Ground, Open Neutral, Open Hot, Hot/Ground Reversed, Hot/Neutral Reversed, Correct Wiring
- **GFCI Test:** Yes
- **Operating Environment:** Temperature: 0°C ~ 40°C (32°F ~ 104°F), Relative Humidity: <80%
- **Storage Environment:** Temperature: -10°C ~ 45°C (14°F ~ 113°F), Relative Humidity: <80%
- **Dimensions:** Approximately 3.1 inches (height) x 1.5 inches (width) x 1.2 inches (depth)
- **Weight:** Approximately 50 g (1.76 oz)
- **Safety Standard:** UL compliant

10. Warranty and Support

For warranty information and technical support, please refer to the official allsun website or contact the retailer from whom you purchased the product. Keep your purchase receipt as proof of purchase for warranty claims.
Manufacturer: Zhangzhou Haimao Dianzi Keji Co., LTD
Brand: allsun

For further assistance, you may visit the allsun Store on Amazon.

© 2024 allsun. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0CJ6WV7WY

More documents and user manuals: **https://manuals.plus/**