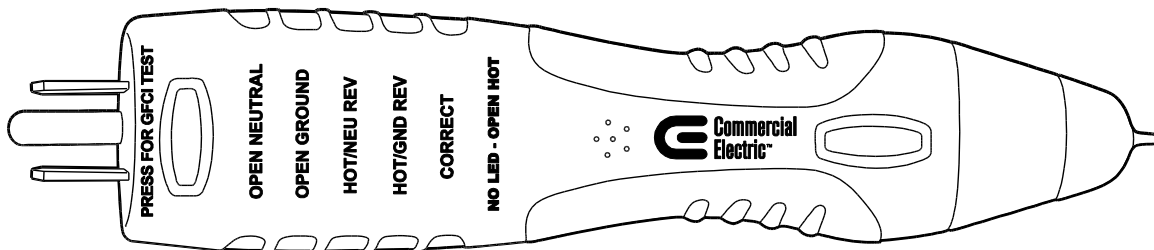


USE AND CARE GUIDE

DUALCHECK™ CIRCUIT TESTER



Questions, problems, missing parts? Before returning to the store,
call Commercial Electric Customer Service
8 a.m. – 7 p.m., EST, Monday – Friday, 9 a.m. – 6 p.m., EST, Saturday

1-877-527-0313

HOMEDEPOT.COM

THANK YOU

We appreciate the trust and confidence you have placed in Commercial Electric through the purchase of this circuit tester. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Commercial Electric!


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Safety Information


Please read this manual carefully and pay attention to related safe working standards before using this tester. Protection provided by the instrument will be impaired if used in a manner not specified by the manufacturer.


 **CAUTION:** Do not attempt to repair this tester. It has no serviceable parts.


 **WARNING:** Use extreme caution when checking electrical circuits to avoid injury due to electric shock. The manufacturer assumes basic knowledge of electricity on the part of the user and is not responsible for any injury or damages due to improper use of this tester.

 **WARNING:** OBSERVE AND FOLLOW all standard industry safety rules and electrical codes. When necessary call a qualified electrician to troubleshoot and repair the defective electrical circuit.





 **WARNING:** To assure the unit is operating, always test on a known live circuit before use.

 **WARNING:** This product does not sense DC voltage or potentially hazardous voltages below 50 volts.

 **WARNING:** This tester will not detect voltages in wires that are electrically shielded by metal conduit or grounded electrical enclosures.

 **CAUTION:** Read, understand, and follow the safety rules and operating instructions of this manual before you use the product. Protection provided by the instrument will be impaired if used in a manner not specified by the manufacturer.

SAFETY SYMBOLS

Symbol	Definition
	Indicates important safety information.
	Conforms to UL 1436 (Circuit Tester) UL 61010-1 & 61010-2-030 (NCV Detection)
	This product conforms to European Union directives.
	This product is double insulated, Class II safety equipment.

Warranty

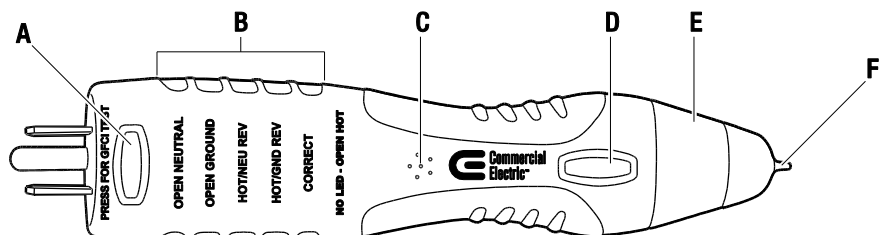
WARRANTY: 12 months

For one year from the date of purchase, this product is warranted against any defects in material or workmanship. This warranty is void if this product is ever used while providing commercial services or if rented to another person.

Contact the Customer Service Team at 1-877-527-0313 or visit www.HomeDepot.com.

Pre-Operation

PRODUCT DESCRIPTION



Part	Description	Quantity
A	GFCI test button	1
B	Circuit indicator LED panel	1
C	Speaker	1
D	Non-contact voltage (NCV) detection button	1
E	NCV LED indicator	1
F	NCV test probe	1

PRODUCT SPECIFICATIONS

Component	Specification
Operating range	115 - 125 VAC, 50-60 Hz (circuit tester) and 50 - 600 VAC, 50-60 Hz (NCV detection)
Certification and Compliance	Conforms to UL 1436 (circuit tester) UL 61010-1 & 61010-2-030 (NCV detection), CE, CAT III 1000V
Indicators	Visual Only (circuit tester) Audible and Visual (NCV detection)
Battery	One (1) LR44
Operating environment	32° - 104°F (0 - 40°C) 80% RH max., 50% RH above 30°C, Altitude up to 2000 meters, Indoor use, Pollution degree 2, Accordance with IED-664

Operation

1 Testing an outlet circuit

NOTICE: All appliances or equipment on the circuit being tested should be unplugged to help avoid erroneous readings.

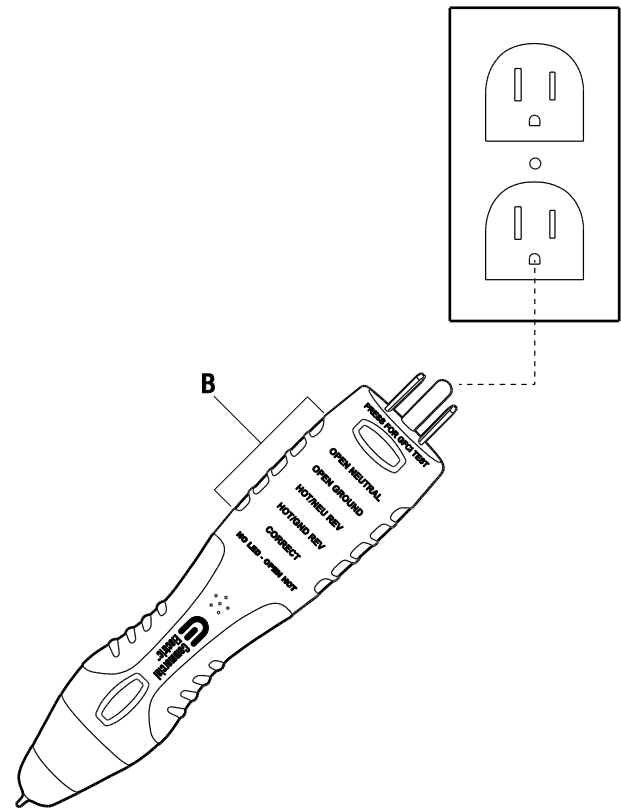
NOTICE: This is not a comprehensive diagnostic instrument but a simple instrument to detect nearly all probable common improper wiring conditions.

NOTICE: Refer all indicated problems to a qualified electrician.

NOTICE: This tester will not:

- Detect two hot wires in a circuit.
- Detect a combination of defects.
- Indicate a reversal of grounded and grounding conductors.

- Plug the tester into any 120 Volt standard or GFCI outlet.
- Only a single LED on the LED panel (B) should illuminate. The text adjacent to the lit LED will indicate the wiring condition.
- If no LED illuminates then the hot is open.
- If the tester indicates a wiring problem then turn off all power to the outlet and repair wiring. Then restore power to the outlet and repeat these steps.



Operation (continued)

2 Testing GFCI protected outlets



CAUTION: GFCIs are sometimes installed in 2-wire systems (no ground wire available). This may or may not meet the local code. This tester will not trip GFCI outlets installed without a ground wire. On 2-wire systems, use the Test and Reset buttons on the GFCI outlet to demonstrate proper operation. To detect which downstream outlets are protected by the GFCI, place the tester in these outlets and use the Test and Reset buttons. Watch for the LEDs on the tester to turn off. This will indicate proper operation.

NOTICE: Consult the GFCI manufacturer's installation instructions to determine that the GFCI is installed in accordance with the manufacturer's specifications.

NOTICE: Check for correct wiring of the receptacle and all remotely connected receptacles on the branch circuit.

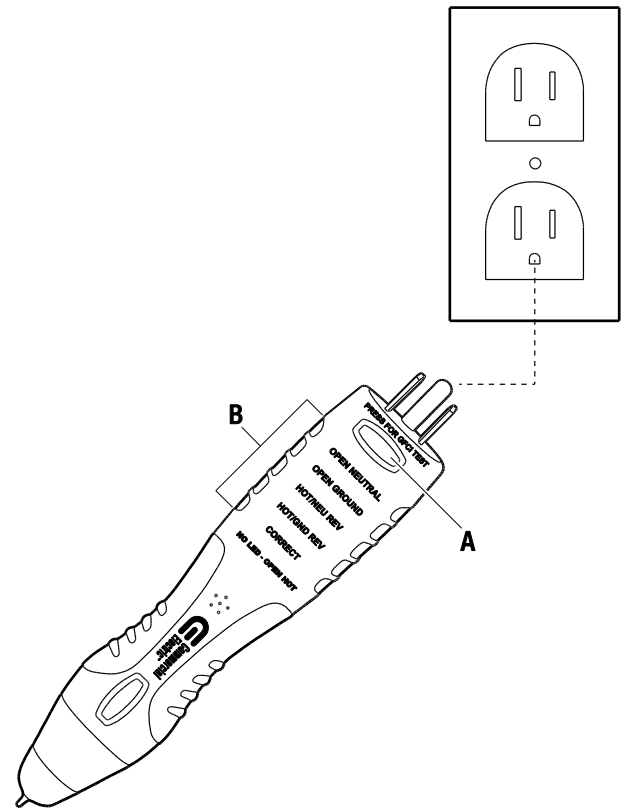
NOTICE: Operate the test button on the GFCI installed in the circuit. The GFCI must trip. If it does not — do not use the circuit — consult an electrician. If the GFCI does trip, reset the GFCI. Then, insert the GFCI tester into the receptacle to be tested.

- ❑ To test GFCI protected circuits, plug the tester into a GFCI protected outlet. Verify the power is on and that the outlet is wired properly.
- ❑ Press the GFCI test button (A). Activate the test button (A) on the GFCI tester for a minimum of 6 seconds when testing the GFCI condition. Visible indication on the GFCI tester must cease when tripped.
- ❑ If the circuit is wired properly, the main GFCI outlet should trip and power to the circuit will be cut off (this is indicated by the LED lights (B) on the tester going off).

If the tester fails to trip the GFCI, it suggests:

- ❑ A wiring problem with a totally operable GFCI, or
- ❑ Proper wiring with a faulty GFCI.

Consult with an electrician to check the condition of the wiring and GFCI.



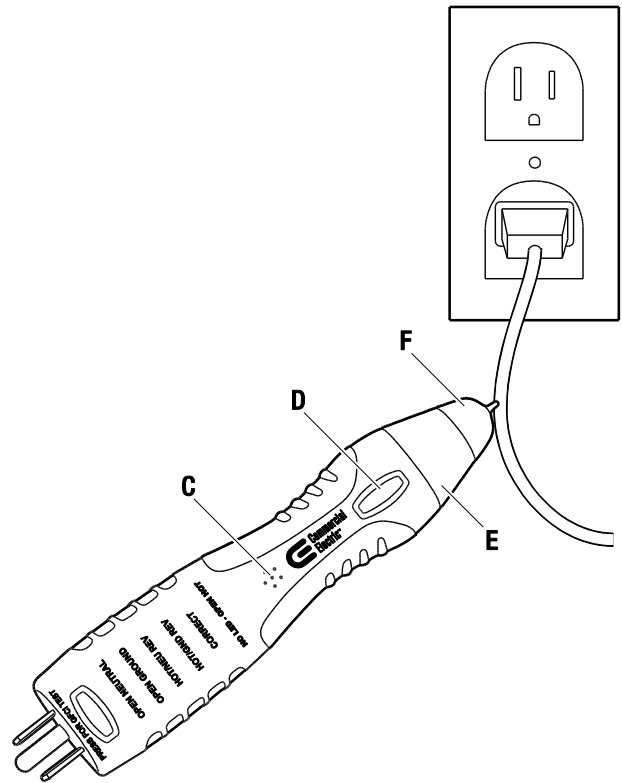
Operation (continued)

3 Testing non-contact voltage (NCV)

NOTICE: Static Electricity - The tester is subject to electrical static interference. If the LED or tone activate momentarily it is detecting static electricity. When detecting voltage the LED and tone will cycle continuously.

NOTICE: NCV detection antennae interference - The presence of objects near the probe tip can decrease the sensitivity of the tester. Keep your finger away from the LED lens and probe tip to ensure adequate detection range.

- Before use, test the battery by pressing the NCV detection button (D). The LED (E) will flash and the speaker (C) will chirp momentarily if the battery is good. If the indicators do not function or the chirp continually cycles, then replace the battery.
- To test for voltage press and hold the NCV detection button (D). Place the probe tip (F) on or near the wire, device, or circuit to be tested. If AC voltage greater than 50 VAC is present the LED (E) will flash and the speaker (C) will chirp continuously.



Installing or Replacing the Battery

This tester comes complete with one LR44 battery in the package. When replacing, always replace with another LR44 battery. To install or replace the battery:

1. Orient the tester backside up and use a small Phillips screwdriver to remove the battery compartment cover (marked with the battery symbol).
2. Remove the LR44 battery. Use caution to prevent damage or injury to the internal components.
3. Place the new battery into the tester as shown on the battery cover with the positive terminal facing toward the NCV end.
4. Replace battery cover and screw.
5. Test on a known live circuit to verify tester functionality.

Care and Cleaning

- Periodic maintenance of this instrument is not required. However, should the unit require cleaning, wipe it with a soft, dry cloth.
- Do not store the tester in excessively hot, humid, or damp places.



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Retain this manual for future use.