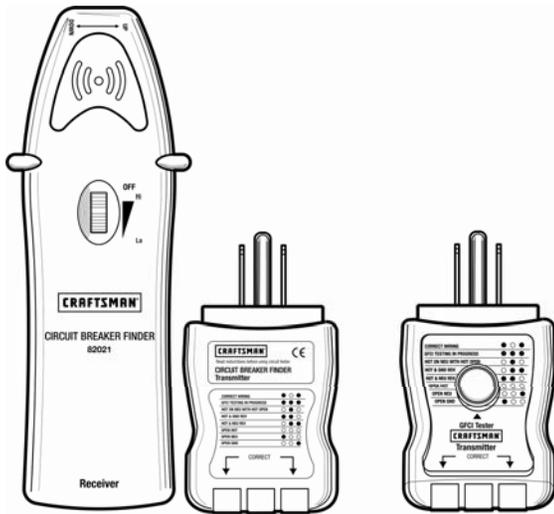


Owner's Manual



Circuit Breaker Finder and GFCI Receptacle Tester

Model No. 82021



CAUTION: Read, understand and follow Safety Rules and Operating Instructions in this manual before using this product.

- Safety
- Operation
- Maintenance
- Español

ONE YEAR FULL WARRANTY

CRAFTSMAN ONE YEAR FULL WARRANTY
FOR ONE YEAR from the date of purchase, this product is warranted against defects in material or workmanship. A defective product will be replaced free of charge. For warranty coverage details to obtain free replacement, visit the web site: www.craftsman.com. This warranty is void if this product is ever used while providing commercial services or if rented to another person. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.
Sears Brands Management Corporation, Hoffman Estates, IL 60179

For Customer Assistance Call 9am - 5pm (ET)
Monday through Friday 1-888-326-1006

WARNING: USE EXTREME CAUTION IN THE USE OF THIS DEVICE. Improper use of this device can result in injury or death. Follow all safeguards suggested in this manual in addition to the normal safety precautions used in working with electrical circuits. DO NOT service this device if you are not qualified to do so.

SAFETY INSTRUCTIONS



This symbol adjacent to another symbol, terminal or operating device indicates that the operator must refer to an explanation in the Operating Instructions to avoid personal injury or damage to the meter.

WARNING

This **WARNING** symbol indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury.

CAUTION

This **CAUTION** symbol indicates a potentially hazardous situation, which if not avoided, may result damage to the product.



This symbol indicates that a device is protected throughout by double insulation or reinforced insulation.

INSTALLING / REPLACING THE BATTERY

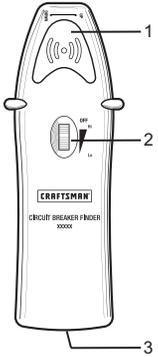
1. When the battery drops below the operating voltage the receiver's LED will not light. The battery should be replaced
2. Remove the receiver battery cover by removing the screw using a Philips head screwdriver. (The Transmitter is line powered.)
3. Install a 9 volt battery, observing the correct polarity.
4. Re-install the battery cover
5. Dispose of the old battery properly.

CONTROLS

Receiver

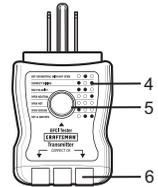
1. Indicating LED and Beeper
2. ON/OFF and Sensitivity adjust
3. Transmitter storage plug

Note that battery compartment is located on rear of receiver



Transmitter

4. Receptacle LED coding scheme
5. GFCI test button
6. Receptacle LEDs



SPECIFICATIONS

Operating Voltage	90 to 120V
Operating Frequency	47 to 63Hz
Power supply	9V battery (receiver)
Operating Temperature	41°F to 104°F (5°C to 40°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Operating Humidity	Max 80% up to 87°F (31°C) decreasing linearly to 50% at 104°F (40°C)
Storage Humidity	<80%
Operating Altitude	7000ft. (2000meters) maximum.
Weight	5.9 oz. (167g)
Dimensions	8.5" x 2.2" x 1.5" (215 x 56 x 38mm)
Approvals	UL CE
UL Listed	The UL mark does not indicate that this product has been evaluated for the accuracy of its readings.

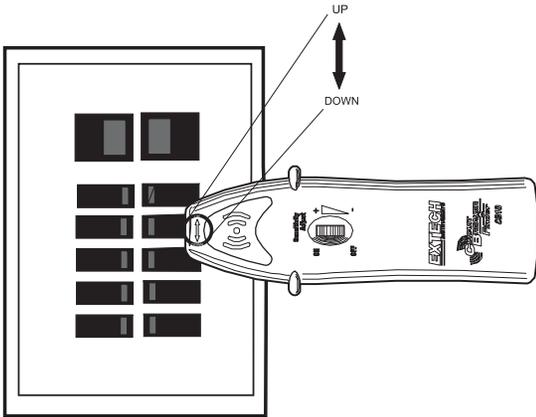
OPERATION

WARNING: Always test on a known good circuit before use.

WARNING: Refer all indicated problems to a qualified electrician.

Locating a Circuit Breaker or Fuse

The transmitter injects a signal onto the circuit which can be detected by the receiver. The receiver will beep when the signal is detected. The sensitivity adjustment allows for tracing and pinpointing the exact circuit breaker or fuse protecting the selected circuit.



1. Plug the Transmitter / Receptacle Tester into a powered outlet. The two green LED's should illuminate.
2. Rotate the Receiver's Sensitivity adjustment from the OFF position to the HI position. The red LED should turn on. If the LED does not turn on, replace the battery.
3. Test the operation of the Receiver by placing it in close proximity to the transmitter. The receiver should beep and the LED should flash.
4. At the breaker panel, set the sensitivity to the HI position and hold the receiver as indicated by the "UP - DOWN" label.
5. Move the receiver along the row of breakers until the selected circuit is identified by the beep and flashing light.
6. Reduce the sensitivity as needed to pinpoint the exact circuit breaker controlling the circuit.

Receptacle Wiring Test

CORRECT WIRING	● ○ ●
GFCI TESTING IN PROGRESS	● ● ●
HOT ON NEUTRAL WITH HOT OPEN	○ ● ○
HOT AND GROUND REVERSED	○ ● ●
HOT AND NEUTRAL REVERSED	● ● ○
OPEN HOT	○ ○ ○
OPEN NEUTRAL	○ ○ ●
OPEN GROUND	● ○ ○

○ OFF ● ON

1. Plug the Transmitter / Receptacle tester into the outlet.
2. The three LED's will indicate circuit condition. The diagram lists all of the conditions that the CB10 can detect. The LED's in this diagram represent the view from the GFCI button side of the transmitter. When viewing the other side of the transmitter the LED's will be a mirror image of those shown here.
3. The tester will not indicate the quality of the ground connection, 2 hot wires in a circuit, a combination of defects, or reversal of ground and neutral conductors.

Receptacle GFCI Test

1. Before using the tester, press the TEST button on the installed GFCI receptacle, the GFCI should trip. If it does not trip, do not use the circuit and call a qualified electrician. If it does trip, press the RESET button on the receptacle.
2. Plug the Transmitter / Receptacle tester into the outlet. Verify that the wiring is correct as described above.
3. Press and hold the test button on the tester for at least 8 seconds, the indicator lights on the tester will shut off when the GFCI trips.
4. If the circuit does not trip, either the GFCI is operable but the wiring is incorrect, or the wiring is correct and the GFCI is inoperable.

TROUBLESHOOTING

There may be times when your meter does not operate properly. Here are some common problems that you may have and some easy solutions to them.

Meter Does Not Operate:

1. Always read all the instructions in this manual before use.
2. Check to be sure the battery is properly installed.
3. Check to be sure the battery is good.
4. If the battery is good and the meter still doesn't operate, check to be sure that both ends of the fuse are properly installed.

If You Do Not Understand How the Meter Works:

Call our Customer Service Line **1-888-326-1006**.

SERVICE AND PARTS

For replacement parts shipped directly to your home
Call 9 am – 5 pm Eastern Time, M - F
1-888-326-1006