

# **SPERRY<sup>®</sup> INSTRUMENTS CS61200 Circuit Breaker Locator**



## **SPERRY INSTRUMENTS CS61200 Circuit Breaker Locator Instruction Manual**

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**SPERRY<sup>®</sup>  
INSTRUMENTS**

**SPERRY INSTRUMENTS CS61200 Circuit Breaker Locator**



## Specifications

- **Altitude:** Up to 2000 meters
- Indoor use only
- **Pollution degree:** 2
- Probe assembly and accessory conform to the lowest of the MEASUREMENT CATEGORIES

## Product Usage Instructions:

### Operation

- Using the plug-in transmitter and hand-held receiver, quickly and safely detect the proper breaker or fuse protecting a specific outlet, wall switch, or lighting fixture.

### Locating Electrical Outlets

1. Detach transmitter from receiver housing and plug into the outlet.
2. Verify the transmitter is sending a signal by viewing the Green Transmit L.E.D. on the top of the unit.
3. The transmitter also includes an outlet wiring tester. For operation of this feature, please review and follow the directions at the end of the manual.
4. Verify the receiver has a fresh 9-volt battery and is operating properly by viewing the L.E.D.(s) on the front of the receiver.

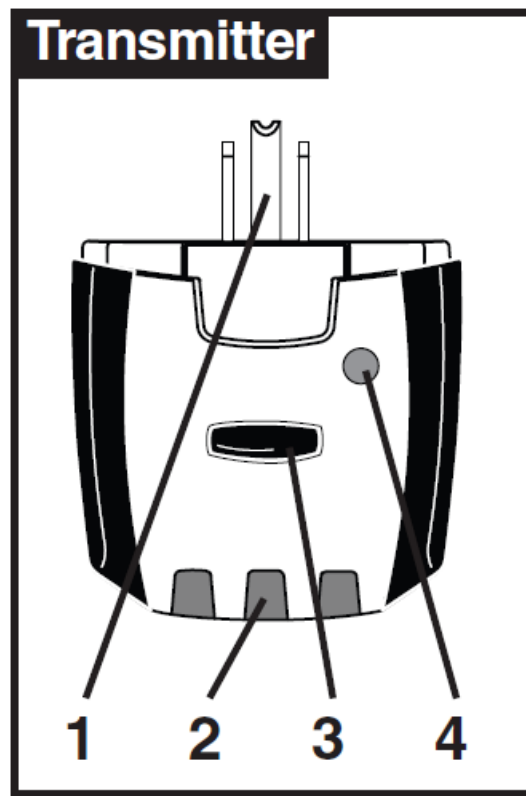
### Using the Receiver

- Using the wand on the receiver, as shown in Fig. 1, trace the breakers or fuses to detect the transmitting signal. The orientation of the wand is critical in order to pick up the signal.

## OPERATING INSTRUCTIONS

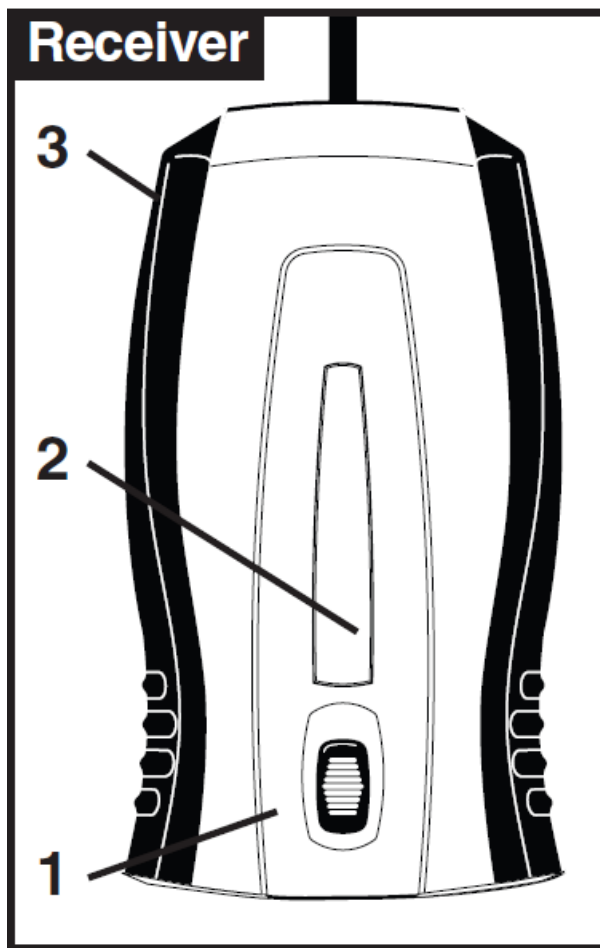
Read this owners manual thoroughly before use and save.

### Transmitter



1. 3-Prong Outlet Tester
2. Color-Coded Wiring Status
3. GFCI Test Button.
4. Transmit on L.E.D.

### Receiver



1. On-OFF Button
2. 10 Visual Indication L.E.D.s
3. Over-Molded Soft Grips

- Patented Sensing Probe
- Magnetic back
- Snap Together Edges
- Operates from 9 Volt Battery (included)

The CS61200 Breaker Finder is used to quickly and easily locate the breaker or fuse protecting a specific electrical circuit. It uses a plug-in transmitting device and receiver to trace outlets, switches and lighting fixtures. The plug-in transmitter also includes an integrated outlet tester to assure the circuit is wired properly. The transmitter and receiver snap together for compact storage.

## SPECIFICATIONS

- **Receptacle Transmitter Operating Range:** 90 to 120 VAC; 60 Hz, 3W
- **Indicators:** Audible and Visual
- **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
- **Battery:** Receiver operates from one 9 Volt
- **Cleaning:** Remove grease and grime with clean, dry cloth
- **Ingress Protection:** IPX0
- **Measurement Category:** CAT II 120V

- **CS61200AS:** 0.5A, MEASUREMENT CATEGORY of a combination of a probe assembly and an accessory is the lowest of the MEASUREMENT CATEGORIES of the probe assembly and of the accessory.

## READ FIRST: IMPORTANT SAFETY INFORMATION


In an effort to go green, the full instructions for this tool can be downloaded from [www.sperryinstruments.com/en/resources](http://www.sperryinstruments.com/en/resources). Please be sure to fully read the instructions and warnings prior to using this tool. Damage to the tool or injury to the user may result from failure to follow all instructions or warnings!


## READ ALL OPERATING INSTRUCTIONS BEFORE USE.

Use extreme caution when checking electrical circuits to avoid injury due to electrical shock. Sperry Instruments 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.

**OBSERVE** and follow all standard industry safety rules and local electrical codes. When necessary call a qualified electrician to troubleshoot and repair the defective electrical circuit.

## SAFETY SYMBOLS


 **CAUTION** Refer to this manual before using this tester.

 The tester is protected throughout by double insulation or reinforced insulation.


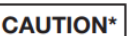

## SAFETY WARNINGS

This instrument has been designed, manufactured and tested according to IEC61010: Safety requirements for Electronic Measuring apparatus, and delivered in the best condition after passing inspection. This instruction manual contains warnings and safety rules which must be observed by the user to ensure safe operation of the instrument and retain it in safe condition. Therefore, read through these operating instructions before using the instrument.

 **DANGER** is reserved for conditions and actions that are likely to cause serious or fatal injury.

 **WARNING** is reserved for conditions and actions that can cause serious or fatal injury.

 **CAUTION** is reserved for conditions and actions that can cause injury or instrument damage.

 ISO 7000-0434B (2004-10)  **CAUTION\*** \*It must be consulted in all cases where  is marked, in order to find out the nature of the potential HAZARDS and any actions which have to be taken to avoid them.

 **WARNING**

- Read through and understand the instructions contained in this manual before using the instrument.
- Keep the manual at hand to enable quick reference whenever necessary.
- The instrument is to be used only in its intended applications.



- Understand and follow all the safety instructions contained in the manual.
- Failure to follow the above instructions may cause injury, instrument damage and/or damage to equipment under test.
- Never attempt to make measurement if any abnormal conditions, such as broken case and exposed metal parts are found on the instrument.
- Do not install substitute parts or make any modification to the instrument.
- Verify proper operation on a known source before use or taking action as a result of the indication of the instrument.
- Only accessories which meet the manufacturer's specifications shall be used.
- Do not use the probe assemblies for measurements on mains circuits.
- The safety of any system incorporating the equipment is the responsibility of the assembler of the system.


### DANGER

- Do not attempt to make measurement in the presence of flammable gases. Otherwise, the use of the instrument may cause sparking, which can lead to an explosion.
- Never attempt to use the instrument if its surface or your hand is wet.
- Never open the battery cover during a measurement.
- The instrument is to be used only in its intended applications or conditions. Otherwise, safety functions equipped with the instrument do not work, and instrument damage or serious personal injury may be caused.

### CAUTION

- Do not expose the instrument to direct sun, high temperature and humidity or dewfall.
- Altitude 2000m or less. Appropriate operating temperature is within 0° C and 40° C.
- This instrument isn't dust and water proofed. Keep away from dust and water.
- Be sure to power off the instrument after use. When the instrument will not be in use for a long period, place it in storage after removing the batteries.
- **Cleaning:** Use a cloth dipped in water or neutral detergent for cleaning the instrument. Do not use abrasives or solvents otherwise instrument may get damaged, deformed or discolored.
- This instrument isn't dust and waterproofed. Keep away from dust and water.

The Symbol  indicated on the instrument means that the user must refer to the related parts in the manual for safe operation of the instrument. It is essential to read the instructions wherever the  symbol appears in the manual. Marks listed in the table below are used on this instrument.

 User must refer to the manual.



Instrument with double or reinforced insulation.

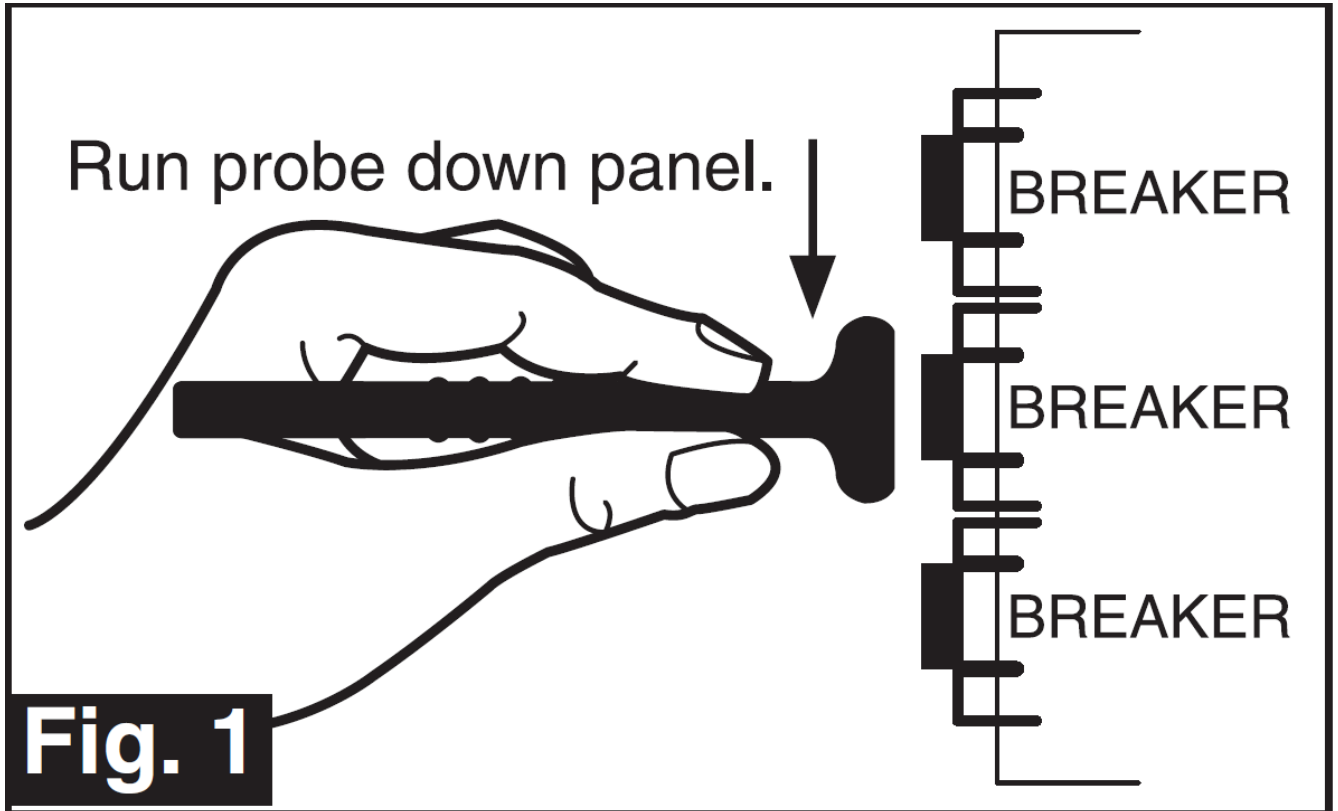
## OPERATION

- Using the plug-in transmitter and hand-held receiver, quickly and safely detect the proper breaker or fuse protecting a specific outlet, wall switch or lighting fixture.

**Note:** A separate accessory, CS61200AS, is required to trace switches and lighting fixtures.

## Locating Electrical Outlets

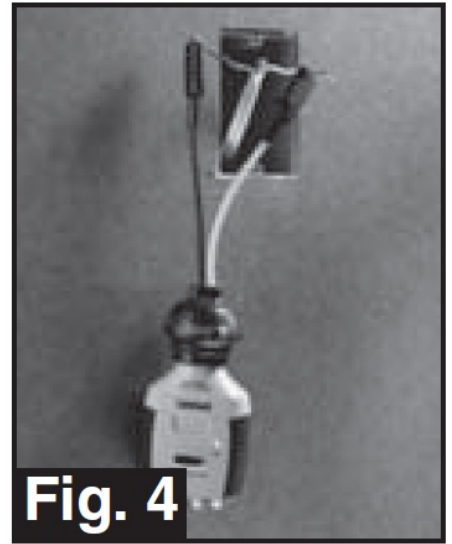
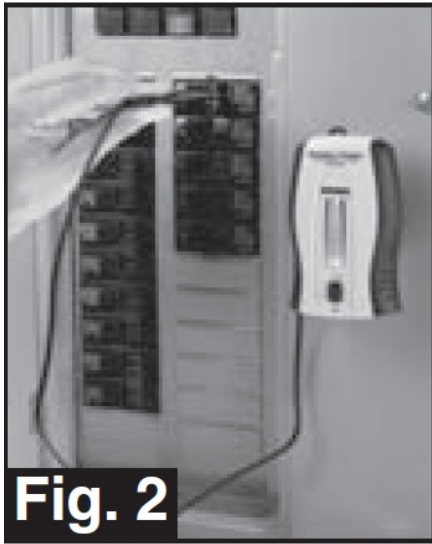
1.



Detach transmitter from receiver housing and plug into outlet.

2. Verify transmitter is sending a signal by viewing the Green "Transmit" L.E.D. on the top of the unit.
3. The transmitter also includes an outlet wiring tester. For operation of this feature please review and follow the directions at the end of the manual.
4. Verify receiver has a fresh 9-volt battery and operating properly by viewing the L.E.D.(s) on the front of the receiver.
5. Using the "wand" on the receiver, as shown in Fig. 1, trace the breakers or fuses to detect the transmitting signal. The orientation of the wand is critical in order to pick up the transmitting signal. Place the wand as shown for proper operation. **Note:** Due to the proximity of other electrical wiring it is possible for the receiver to indicate a signal on multiple breakers. To locate the proper breaker it may be necessary to listen for the loudest beeping and watch for the highest L.E.D. indication to identify the proper breaker.
6. Once the proper breaker is located, continue to hold the receiver wand against the breaker and switch the breaker off. This will remove power to the remote transmitter and the receiver will stop producing a response. As an additional precaution verify the power is off by viewing the status of the green L.E.D. on the transmitter. It will not be illuminated if the power is off.

## Locating Lighting Fixture Circuits (requires accessory part #CS61200AS)



1. Remove light bulb and insert the yellow screw in receptacle. (Fig. 3)
2. Plug the transmitter into the adapter and verify power is on by viewing the green L.E.D. on the transmitter.  
**Note:** Power must be on for the transmitter to work. (Fig. 3)
3. Go to breaker panel and locate the circuit using the receiver (Fig. 2) as discussed in the previous "Operation" section.

#### **Locating Switches and Other Wiring (requires accessory part # CS61200AS)**

1. Attach the black alligator clip to the hot (black) wire and the white alligator clip to the neutral wire (white). If a neutral wire is not present clip the white lead to a ground wire or metal box.
2. Screw in the yellow receptacle adapter and plug in the transmitter. Verify the power is on by viewing the green L.E.D. on the transmitter. (Fig. 4)
3. Go to the breaker panel and locate the circuit using the receiver (Fig. 2) as discussed in the previous "Operation" section.

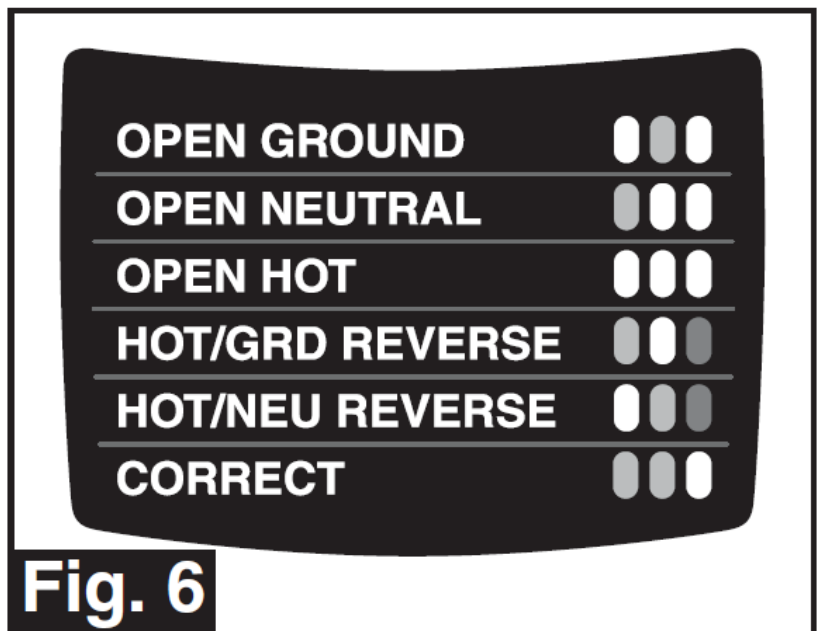
#### **OUTLET TESTER**

1. Detach the outlet tester from the receiver housing.
2. Plug the unit into any 120 VAC 3-wire outlet. (Fig. 5)
3. Observe the L.E.D.s and match with the status chart located on the housing. (Fig. 6)
4. Rewire outlet (if necessary) until the tester indicates a correct wiring status.





**Fig. 5**



**Fig. 6**

## GFCI Test Function

### Operation

1. Plug the tester into any 120 Volt standard or GFCI outlet.
2. View the indicators on the tester and match with the chart on the tester.
3. If the tester indicates a wiring problem then turn off all power to the outlet and repair wiring.
4. Restore power to the outlet and repeat steps 1-3.

### To Test GFCI Protected Outlets



**Fig. 7**

1. Consult the GFCI manufacturer's installation instructions to determine that the GFCI is installed in accordance with the manufacturer's specifications.
2. Check for correct wiring of receptacle and all remotely connected receptacles on the branch circuit.
3. 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 GFC. Then, insert the GEGl tecter into the renantanla ta ha tactad
4. Activate the test button on the GFCI tester for a minimum of 6 seconds when testing the GFCI condition (Fig. 7).

Visible indication on the GFCI tester must cease when tripped.

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

1. a wiring problem with a totally operable GFCI, or
2. proper wiring with a faulty GFCI.

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



When testing GFCIs installed in 2- wire systems (no ground wire available), the tester may give a false indication that the GFCI is not functioning properly. If this occurs, recheck the operation of the GFCI using the test and reset buttons. The GFCI button test function will demonstrate proper operation.

**Note:**

1. All appliances or equipment on the circuit being tested should be unplugged to help avoid erroneous readings.
2. of a comprehensive diagnostic instrument but a simple instrument to detect nearly all probable common improper wiring conditions.
3. Refer all indicated problems to a qualified electrician.
4. Will not indicate quality of ground.
5. Will not detect two hot wires in a circuit.
6. Will not detect a combination of defects.
7. Will not indicate a reversal of grounded and grounding conductors.

## REPLACING THE BATTERIES

- The receiver unit operates from a standard 9 Volt battery. To replace, remove the battery door cover located on the back, with a small screwdriver. Replace with new battery and then shut the battery door.

16250 W Woods Edge Road New Berlin, WI 531511

- 1-[800-624-4320](tel:800-624-4320)
- [ecm.customer.service@nVent.com](mailto:ecm.customer.service@nVent.com)

## FAQ

- **Q: Can this product be used outdoors?**
  - **A:** No, this product is designed for indoor use only.
- **Q: What type of battery does the receiver use?**
  - **A:** The receiver uses a 9-volt battery (included).
- **Q: Is this product dust and water-proof?**
  - **A:** No, this instrument isn't dust and water-proofed. Keep it away from dust and water to prevent damage.

## Documents / Resources



**[SPERRY INSTRUMENTS CS61200 Circuit Breaker Locator](#)** [pdf] Instruction Manual  
CS61200 Circuit Breaker Locator, CS61200, Circuit Breaker Locator, Breaker Locator

## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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