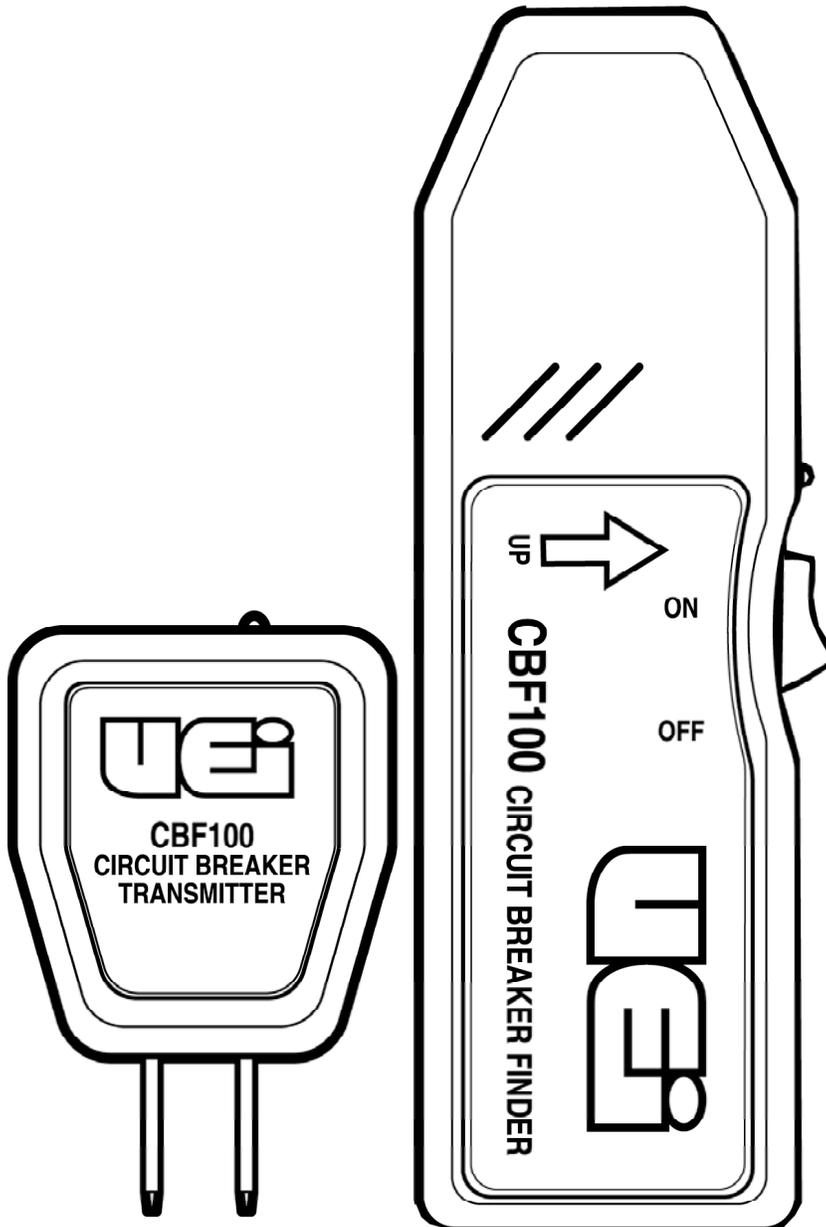




INSTRUCTION MANUAL

CBF100

Circuit Breaker Identifier



1-800-547-5740 • Fax: (503) 643-6322
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Introduction

The CBF100 makes it easy to find the circuit breaker or fuse that supplies a specific power receptacle or light switch automatically. Just plug in the transmitter then make a few quick scans of the power panel. There's no need to shut off power in a hit-and-miss effort to find the right breaker - that's a great benefit in automated office environments!

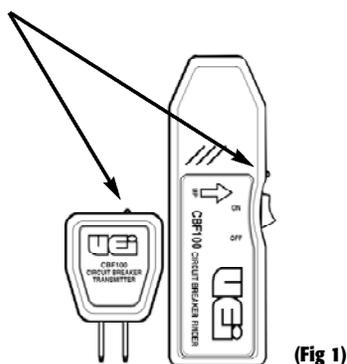
Safety Notes

Proper use of the CBF100 typically makes the process of finding the correct fuse or circuit breaker safe and sure. The non-contact sensor allows you to instantly confirm that the circuit you switch off at the power panel is the same circuit that is powering your transmitter. Follow these tips when using this instrument on electrical circuits:

- Use only the specified range of input power to the transmitter (90 to 120 volts AC)
- Use lock-out / tag-out procedures when performing maintenance on disabled circuits
- Use a multimeter to confirm there is no cross-feed power on the disabled circuit
- Check for power on near-by circuits before touching or reaching across them
- If it becomes necessary to remove the panel cover to make positive identification of a circuit breaker do not contact live bus-bars
- Perform only those maintenance tasks which you are qualified to do

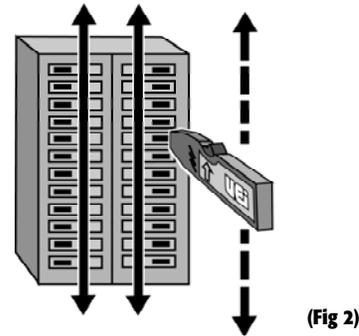
Controls and Indicators

Power on LED's



(Fig 1)

Some preparation is required to attain best results with this instrument. Some devices, such as battery charger's, light dimmers, and motor control rheostats can generate false signals. Unplug or turn off all these devices that are connected to your power panel. You can make a quick check for false signals by using the receiver on your power panel prior to plugging in the transmitter. If a signal is detected, check for one of these devices or any other that modifies AC power (like an AC to DC converter).



(Fig 2)

Operating Instructions

1. Plug in the transmitter to a live wall outlet or suitable socket adapter.
 - Verify transmitter is on by observing the LED is lit.
2. Turn on the receiver holding it at least 12" away from any circuit.
 - Verify the LED is lit (on the top near the switch) and remains lit.

NOTE: The audible tone sounds once or twice, then stops.
3. Holding the instrument with the switch up (see figure 2), move the receiver from top to bottom over the breaker's or fuses in the power panel, touching each breaker.

NOTE: Those breaker's or fuses that provided "hits" (audible tones) as the receiver passes over them.
4. Pull the receiver away from the panel (at least 8") and repeat step 3.
 - With each pass over the power-panel, the receiver becomes less sensitive until a hit will occur only on the breaker or fuse that carries the transmitters signal.
5. Note or mark the appropriate breaker
 - Use lock-out / tag-out procedures when working on circuits that you turn off at the power-panel for maintenance purposes.

NOTE: In rare circumstances the receiver will hit on multiple circuits, then sensitivity will drop below a level that will provide a hit on the appropriate circuit. In this event, turn the receiver off and repeat the process from the beginning. If a single breaker cannot be isolated, the panel cover may have to be removed to expose individual wires. Test the wiring from the breaker's in the same manner indicated above.

Specifications

Operating Voltage:	90 to 120 Volts AC
Operating Frequency:	50 to 60 Cycles
Storage Temperature:	32 to 120°F
Operating Temperature:	32 to 120°F
Sensitivity Adjustment:	Automatic
Power Supply:	9 Volt alkaline battery
Transmitter Polarity:	Automatic



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Limited Warranty

The CBF100 is warranted to be free from defects in materials and workmanship during the useful life of this instrument. If within the limited lifetime warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at UEi's option. This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. Batteries and consequential damage resulting from failed batteries are not covered by warranty.

Any implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the express warranty. UEi shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expenses or economic loss. A purchase receipt or other proof of original purchase date will be required before warranty repairs will be rendered. Instruments out of warranty will be repaired (when repairable) for a service charge. Return the unit postage paid and insured to:

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This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

