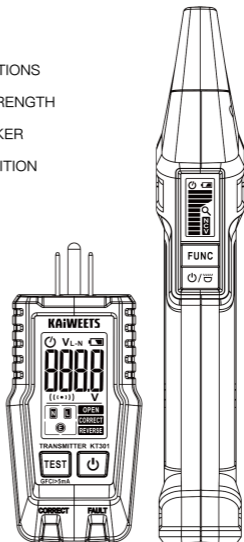




Digital Circuit Breaker Finder User Manual

KT301P

- VISUAL & AUDIBLE INDICATIONS
LCD DISPLAYS SIGNAL STRENGTH
IDENTIFY CORRECT BREAKER
- DETERMINE WIRING CONDITION
AT ELECTRICAL OUTLETS
- TEST GFCI DEVICES
- NCV INDUCTION PEN
- LED LIGHTING



Contact us: support@kaiweets.com

Before use, please carefully read the user manual and strictly follow the safety rules and precautions listed in the manual, including caution, attention, and warning items.



WARNINGS

To avoid potential electric shock or personal injury!

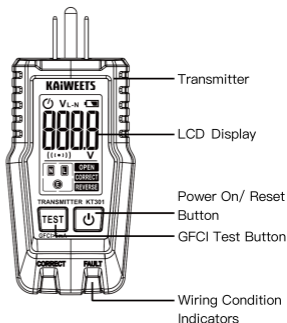
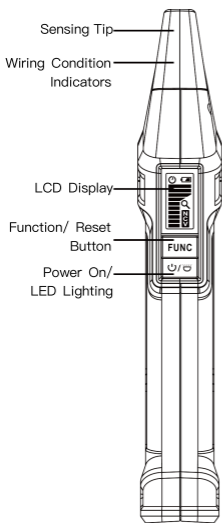
- Prior to use, always verify tester operation by testing on a known live and correctly wired electrical outlet.
- DO NOT use if the tester appears damaged in any way.
- The tester is designed for use with 120V AC electrical systems. DO NOT connect to higher voltage electrical supplies.
- Other equipment or devices attached to the circuit being tested could interfere with the tester, clear the circuit before testing.
- Ground–Fault Circuit Interrupters (GFCI) testing must be performed only when the wiring is correct.
- When testing the GFCI, turn off the devices on the electrical circuit to ensure that de–energizing does not cause any hazards.
- This tester only detects common wiring problems. Always consult a qualified electrician to resolve wiring problems.
- If using accessories to connect to bare wires ensure that the circuit is not energized before inspecting, applying, or removing the transmitter.
- Exercise extreme caution around energized, bare wires, especially when working in or around an open breaker panel.

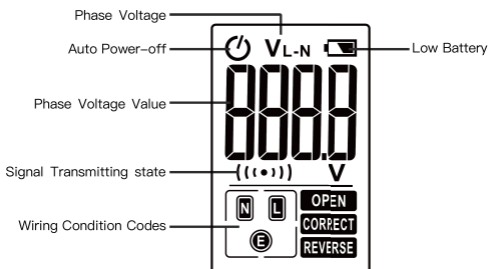
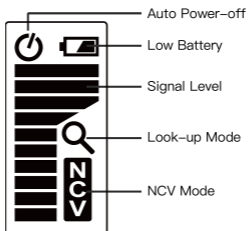
GENERAL SPECIFICATIONS

The KAIWEETS KT301 is a digital circuit breaker finder used to locate the correct circuit breaker in a panel to which an electrical outlet or fixture is connected. The transmitter is connected to the electrical outlet or fixture in the circuit while the receiver is used to scan the breakers in the circuit breaker panel.

Operating Voltage: 90V to 120V AC, 50/60Hz
 Operating Altitude:6562 ft. (2000m)
 Relative Humidity:<90% non-condensing
 Operating Temp:32° to 122°F (0° to 50°C)
 Storage Temp:-4° to 122°F (-20° to 50°C)
 Phase Voltage Measurement Range:30V to 120V/ 45 to 65Hz
 Battery (Transmitter & Receiver):4 x 1.5V Alkaline (included)



FEATURE DETAILS








OPERATING INSTRUCTION

Power On/Off

- 1) Holding and pressing the receiver “  ” Button to turn the receiver on and off. The green light in the Sensing Tip lights up and emits a beeping sound, indicating that the unit is powered on. The receiver will automatically power off following 5 minutes of inactivity.
- 2) Holding and pressing the transmitter “  ” Button to turn the transmitter on and off. The transmitter will automatically power off following 5 minutes of inactivity.

Finding Circuit Breakers

- 1) Holding and pressing the transmitter “” Button to turn on the transmitter. Insert the transmitter into the electrical outlet, and check the outlet is properly connected by observing the LCD display. If the transmitter indicates correctly wired, prepare to scan the breakers in the breaker panel with the receiver.
- 2) Holding and pressing the receiver “” Button to turn on the receiver. The default of power on is Circuit Breaker Lookup mode, at this time the screen displays “”. You can switch to NCV mode by long pressing the “**FUNC**” button. Before approaching the circuit breaker panel, Please press shortly the “**FUNC**” Button once to reset the receiver.
- 3) Position the receiver so that the sensor head is perpendicular to the breakers in the panel. Slowly scan all the breakers in the panel once. Ignore any beeping sounds and indicator lights from the receiver while it is learning the panel.
- 4) Scan all the breakers again. When the breaker connected to the circuit with the transmitter is approached, the frequency of the audible beeps will increase. When located, the audible beep will sound continuously, the LED in the Sensing Tip will turn red, indicating that the correct breaker has been found.

NOTE: Resetting the receiver erases prior scanning data stored from a previously ‘learned’ panel. Always reset the receiver away from the electrical panel to ensure that electrical signals are not being sensed during the reset operation.

WIRING CONDITION


Insert the transmitter into the standard three-prong power outlet being tested. When incorrect outlet wiring is detected, the orange backlight will illuminate to indicate a wiring error. Based on the display, determine the type of outlet wiring error (see the function cross-reference), and then unplug the transmitter.

NOTE: If the tester indicates that the outlet is not wired correctly, consult a qualified electrician.

Function Cross-reference

DISPLAY	CONDITION
Live & Neutral & Ground – Correct	Correct wiring
Ground – Open	Open Ground
Neutral – Open	Open Neutral
– – –	Missing Live
Live & Ground – REVERSE	Live & Ground Reversed
Live & Neutral – REVERSE	Live & Neutral Reversed
Live & Neutral & Ground – REVERSE	Live & Ground Reversed Open Ground

NCV Test

- 1) Holding and pressing the receiver “” Button to turn on the receiver. Long press the “**FUNC**” button to switch to the NCV mode, at this time the screen displays “NCV”.
- 2) Then use the Sensing Tip to detect the object. If a live object is detected, the device will emit a beeping sound, and the status indicator light will turn red. The LCD display will show a “signal strength progress bar”, which will indicate the corresponding strength based on the detected signal.

GFCI Test

Plug the tester into a properly wired three-prong power outlet. Press and hold the “**TEST**” button for more than 2 seconds. A functioning residual current device (GFCI) will trip, and the indicator light will flash to indicate that the tripping process is complete. If the GFCI does not trip, it indicates that the GFCI may be faulty. Please contact a professional electrician for repairs.

Outlet Voltage Test

Plug the tester into a standard three-prong power outlet. Read the outlet voltage value from the transmitter display, with the unit in volts (V).

LED Lighting

Holding and pressing the receiver “” button to power on the receiver, short press “” button to turn the light on or off.

Auto Power-off

The transmitter and receiver will auto shut down after approximately 5 minutes of inactivity.

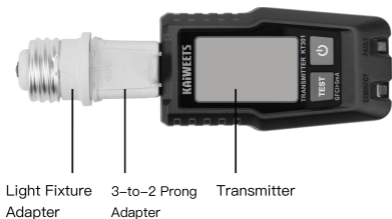
After the transmitter has automatically shut down, if the transmitter is plugged into the outlet, the signal can still be transmitted normally.

Note: When the low voltage symbol appears on the LCD display of the receiver or transmitter, the batteries must be replaced.

USING ACCESSORIES

Light Socket Fixtures

Screw the light fixture adapter into an empty light socket. Connect the transmitter to the 3-to-2 prong adapter, and connect this to the light fixture adapter. The LCD display on the transmitter will show an open ground condition if the light socket is energized. Follow the instructions in the FINDING CIRCUIT BREAKERS section to find the correct circuit breaker.



3-TO-2 PRONG ADAPTER

The transmitter may be connected to bare wires using the outlet-to-alligator clips wire adapter. Carefully attach the alligator clips the correct wires. Insert the transmitter into the outlet on the wire adapter. The LCD display on the transmitter will show an open ground condition if the wires are energized. Follow the instructions in the FINDING CIRCUIT BREAKERS section to find the correct circuit breaker.

Bare Wires

The transmitter may be connected to bare wires using the outlet-to-alligator clips wire adapter. Carefully attach the alligator clips the correct wires. Insert the transmitter into the outlet on the wire adapter. The indicators on the transmitter will communicate an open ground wiring condition if the wires are energized. Follow the instructions in the FINDING CIRCUIT BREAKERS section to find the correct circuit breaker.

NOTE: Exercise extreme caution when working around energized bare wires.



Three Years Warranty



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