



**USER MANUAL**

# **CIRCUIT BREAKER FINDER**

## **SF3349**

*Please read this manual carefully and completely  
before using this product!*

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# Introduction

Thank you for purchasing our Circuit Breaker Finder. Please read this manual carefully and completely before using this instrument.

SF3349 has two functions as below:

- 1** locating the circuit breaker or fuse associated with any receptacle without tripping the breaker or blowing the fuse
- 2** testing socket if wiring faults is existing
  - Correct wiring
  - Missing earth (ground)
  - Missing neutral
  - Live & earth reversed
  - Live & neutral reversed
  - Open circuit

The Circuit Breaker Finder/Socket Tester has two components—an AC powered transmitter and a battery-powered receiver.



## FEATURES

- Automatically adjust sensitivity and locate the breaker or fuse associated with receptacle
- Test socket if any wiring fault is existing
- Configured with flashlight inside for use in darkness
- Both beep and visual (LED) indications
- Low battery warning
- Complies with safety standard IEC 61010-1 CAT II 600V
- Applicable in houses, offices, plants and etc.

# Specification

Working temperature		0 <sup>o</sup> ~50 <sup>o</sup> C (32 <sup>o</sup> ~122 <sup>o</sup> F)
Relative humidity		<80%
Dimensions	Receiver	198mmx40mmx50mm (7.80inx1.57inx1.97in)
	Transmitter	71mmx64mmx55mm (2.80inx2.52inx2.17in)
Weight	Receiver	126g
	Transmitter	63g
Power source		9V battery
Safety standard		IEC 61010-1

## Safety Warnings



Make sure to read this manual carefully before using this instrument.

Exercise caution when working around circuit breaker panels.

Don't use SF3349 under voltage more than 120/230V.

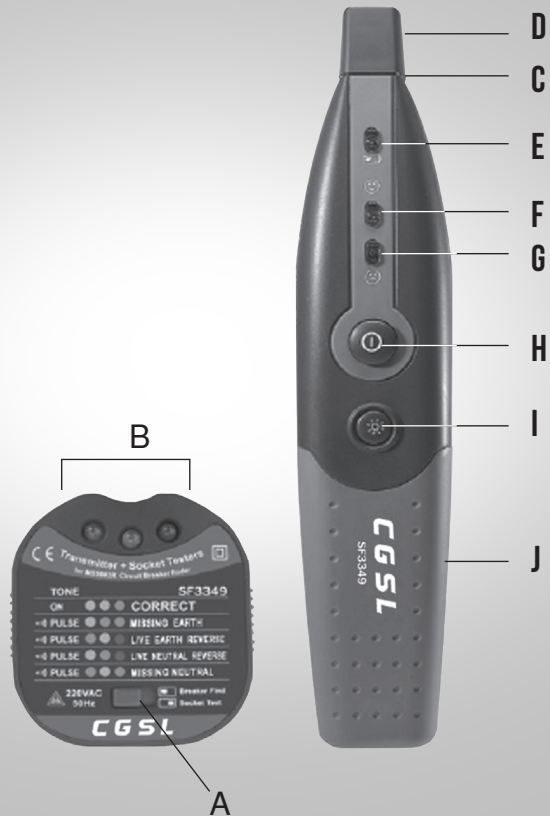
Receiver should be used together with Transmitter.

Change battery once yellow LED lights.

# Product Overview

Fig.1 shows the controls, indicators and physical features of SF3349's transmitter and receiver. Familiarize yourself with their names and functions before moving on to the Operating Instructions.

- A. FUNCTION SWITCH
- B. SOCKET TEST INDICATOR LIGHTS
- C. FLASHLIGHT (ON UNDERSIDE)
- D. TIP WITH SENSOR
- E. YELLOW "LOW BATTERY" LED
- F. GREEN "BREAKER FOUND" LED
- G. RED "BREAKER NOT FOUND" LED
- H. POWER ON/OFF BUTTON
- I. FLASHLIGHT ON/OFF BUTTON
- J. BATTERY COMPARTMENT (ON BACK)



# Operating instructions

To identify the breaker or fuse associated with the branch circuit the transmitter is plugged into:

- 1** Slide the function switch on the transmitter to the left (the **Breaker Find** position).
- 2** Plug transmitter into the socket, red LED lights, that means the circuit is powered; rather, if red LED doesn't light, you have to check if power is put through or any loose connection exists. Otherwise you can't go to next step.
- 3** Turn on power switch of receiver, red LED (Fig. 1, Callout G) lights. Start to scan breakers in circuit breaker panel, by touching the tip of the receiver to each breaker in turn. If the panel is in a dark area, turn on the equipped-inside flashlight (Fig. 1, Callout C) by pressing the button (Callout I). Touching breakers will cause the red LED on the receiver to light until the object breaker is found, green LED (Fig. 1, Callout F) lights instead of red LED. If only one breaker causes the green LED to light, that breaker is the one associated with the socket that the transmitter is plugged into.
- 4** If more than one breaker caused green LED to light, scan all breakers in the panel again until only one breaker made green LED lights. This final breaker will be the object breaker we find.

**Note** Buzzer alarms too when green LED lights.

To check a socket for wiring faults:

1. Slide the function switch on the transmitter (Fig. 1, Callout A) to the right (the **Socket Test** position).
2. If the socket has no wiring faults, the two green LEDs in the top row of socket test indicator lights will illuminate and a continuous tone will be heard.
3. If the socket has an open circuit or is not powered, no LEDs will illuminate and no tone will be heard (because the transmitter is unpowered).
4. If the socket has any of four common wiring faults (missing earth (ground), missing neutral, live and earth reversed, and live and neutral reversed), a unique pattern of one or more green LEDs, or green and red LEDs, will be displayed and a pulsed tone will be heard. You'll know which fault is detected on the label.

## Maintenance

- Keep clean with a dry cloth.
- When yellow LED on receiver is lighting, please change 9V battery timely with new one.





SF3349 Circuit Breaker Finder is given a warranty of 24 months.

During warranty period, if after examination, the instrument was defected in material or workmanship, we will repair or replace it.

Rather, if damages come from an attempted repair by non-authorized personnel or misuse, alterations, normal wear and tear, or accidental damage, etc., no warranty will be applied.

Every effort has been made to provide you with a reliable product of superior quality. However, in the event your instrument requires repair, please just contact us!

Sales: [Info@miniature-circuit-breaker.com](mailto:Info@miniature-circuit-breaker.com)

After service: [Support@miniature-circuit-breaker.com](mailto:Support@miniature-circuit-breaker.com)

## ORDERING NOTE

**RATED VOLTAGE SHOULD BE INFORMED!**

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Specifications subject to change without notice

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TYPOGRAPHICAL ERRORS.**