ELCB Tester

TEL 1-4 240V

The TEL 1 is the Basic test Equipment an Electrician cannot do without. TE 1 is a Dual Function Test Instrument utilized to Verify electrical Wiring Connections and the Functioning of Earth leakage / Residual current detectors devices by forcing the ELCB/RCD to trip.

This verifies that the protection device open the mains power supply circuit when a current higher than a certain amplitude circulate into the ground/earth wire (generally around 15mA)

This ensure the Electrical installation meet safety and regulation requirements. The Wiring Check is reported on the Bright Neon Lights and the Key code is shown on the table located under the tester,

SPECIFICATIONS

Nominal Voltage System	240VAC
System Voltage Frequency	50-60Hz
Wiring Check Accuracy	Table valid for voltage within 5% of norminal voltage. If voltage differs from Nominal Voltage System by more than 5%, table may be incorrect.
Earth / Ground Current Simulator Accuracy	Current is set by Selected resistors and therefore Proportional to Voltage. Resistance Accuracy is 10% maximum.
Overall Rating	Intermittent rated
Resistance Rating	Current Injection System uses resistors which are Not Continuously rated
Case Material	ABS
Safety Standard	EN 61010-1 EN 61326-1

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Circuit Breaker Identifier

FINDING CIRCUIT BREAKER

Use the tip of the Sniffer to scan the circuit breakers. Please note that the Sniffer is designed to be held vertically for the vertical circuit breakers and horizontally for the horizontal circuit breakers.

MAKE SURE ALL THE CIRCUIT BREAKERS ARE ON

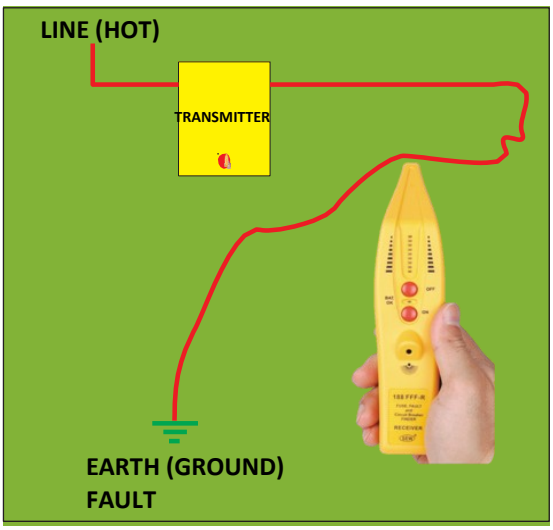
Now, for example, start scanning from the top left row then go down etc.., But you can scan the breakers in any order. While you are scanning, observe the bar-graph and listen to the audible alarm.

The Circuit breaker that supplies the Transmitter circuitry is the one, that (when pointed out by the tip) has the most LEDs lit on the bar-graph and the fastest audible alarm.

FINDING EARTH FAULT

To find an earth fault, ot the trace faulty wire, you must connect the transmitter in series with the fault. For example, say. You have a short between Line and Earth, but you don't know where the short is.

Connect the Transmiter, using an adaptor, in series, in the line. If the Protection device trips. Then you will have to bypass the protection device for the duration of this test. Use the optional leads for this use.



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