

ECB50

Three types of troubleshooting with one tool



The ECB50 is a microprocessor-driven tracer that allows three types of troubleshooting – circuit breaker identification, wire tracing in walls, and wire sorting. The included transmitter module generates a custom coded signal that is injected into a powered AC line. The microprocessor-enabled receiver wand uses this encoded signal to reject noise and correctly

identify the right circuit breaker or wire. The receiver wand also includes a sensitivity control to further increase noise rejection and make positive identification easier. The ECB50 is UL listed to US and Canadian safety standards and is rated at CAT III 150V for general residential, commercial, and industrial use.

- Three Testers in one
 - Identify circuit breaker to electrical socket
 - Trace AC cables in walls
 - Sort AC wires in a bundle
- Microprocessor controlled
- Coded transmission
- Audible and visual indicators
- Includes sensitivity adjustment
- UL and cUL listed
- CAT III 150 V rated
- Cable tracing length to 500 ft nominal
- Cable tracing depth to 15 inches nominal
- One-year warranty

ECB50 Specifications

(Valid for 23 °C ± 5 °, for less than 80 % relative humidity)

Transmitter	
Voltage range	100 V to 125 V
Power consumption	approximately 1 W
Frequency range	30 to 70 Hz
Transmission frequency	Approximately 8 kHz
Transmitter frequency	Approximately 10 Hz
Receiver	
Tracing depth for fuse identification	Approximately 0 to 10 cm (4 in) depending on local conditions
Tracing depth for cable location	Approximately 0 to 40 cm (15 in) depending on local conditions



Find the right circuit breaker, sort and trace wiring

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General Specifications

Transmitter	
Operating temperature range	-10 °C to 40 °C (14 ° to 104 °F) at max 80 % R.H.
Dimensions	70 x 55 x 86 mm (2.8 x 2.1 x 3.4 in)
Weight	Approximately 65 g (2.3 oz)
Overvoltage category	CAT III 150 V
Pollution degree	2, Protection Class: IP20
Receiver	
Sensitivity setting	Using On/Off control
Low battery indication	7.5 V
Switching fuse/cable	manually using Fuse-Line switch
Operating temperature range	-10 °C to 40 °C (14 ° to 104 °F) at max 80 % R.H.
Dimensions	22 x 162 x 34 mm (0.9 x 6.4 x 1.3 in)
Weight	Approximately 100 g (3.5 oz)
Overvoltage category	CAT III 150 V
Pollution degree	2, Protection Class: IP20
Power supply	9 V battery, IEC 6LR61, Alkaline only
Applicable directives and standards	EMC: EN 50081-1 and EN 50082-1
Product Includes	
ECB50 Circuit breaker and wire tracer, plug-in transmitter module and nylon carrying case	