



Fault Trapper™

THE ONLY WAY TO SEE WHY, WHEN AND WHERE A CIRCUIT BREAKER TRIPS



Ordering Information

Description	Part Number
Fault Trapper	FT100-M

Stop guessing about circuit breaker tripping issues!

You can now detect the type of fault, and locate the position of an electrical “event” that causes intermittent/persistent circuit breaker trips, and No Fault Found (NFF) conditions. The critical information needed to reduce call backs for circuit breaker trips.

The Fault Trapper™ is a new class of tester that uses Spread Spectrum Time Domain Reflectometry (SSTDTR) to monitor live circuits. The Fault Trapper™ can capture time and distance to Opens, Shorts and Arc Faults saving the event information in memory for later investigation. If the circuit breaker trips, the backup battery powers the Fault Trapper™ to allow for an orderly shutdown. The last faults can be viewed using the battery power. The In-Line Adapter isolates the circuit being monitored from the breaker panel and all other breakers.

- No Splicing Required - Plug in existing wiring
- In-Line monitoring of energized branch circuits up to 300 VAC and 40 amps
- SSTDTR (Spread Spectrum Time-Domain Reflectometry) for accurate Fault Locating
- Fault Location reported as distance from Fault Trapper™ in feet/meters
- Easy-to-Use Three button Operation
- Backlit LCD Display with Simple User Interface
- Back-up battery allows capture of breaker trips/ Unpowered display of results



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A Snap to Install

- Easily connects in series with a “home run” 120/240 V AC circuit between the tripped circuit breaker and the load.
- Quickly plugs in with no cutting or stripping. Small (6.8”x3.0”x1.75”)... so it fits inside the panel for extended monitoring.

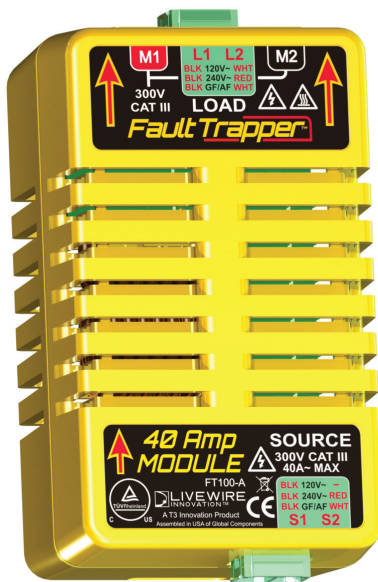
Specifications

Physical Dimensions

- Fault Trapper Main Unit
Size: 15.25 x 7.6 x 3.8 cm (6.0 x 3.0 x 1.5 inches)
Weight: 255 grams (9 oz.) With battery
- 40amp In-Line Adapter
Size: 11.5 x 7.6 x 5.85 cm (4.5 x 3.0 x 2.3 inches)
Weight: 312 grams (11 oz.)

Input Rating

- Fault Trapper Main Unit: 90 to 265 Volts ac rms 50/60 Hz, 4 watts max.
- 40amp In-Line Adapter: 300 Volts ac rms, 40 amp circuits maximum, supplies power to main unit
- Measurement Method. Spread Spectrum Time Domain Reflectometry (SSTDTR)
- Accuracy: +/-10%
- Maximum Length: 300 ft on NM-B or Wire in Conduit



Battery Use and Life

- Used to review results when not AC powered
- Battery Low Level: Approximately 5.5 volts
- Battery Life (9 Volt alkaline battery, typical) - Standby: 2 years
- Active: 4 hours typical

Environmental Temperature

- Temperature - Operating: 0 to 50°C (32 to 122°F)
- Storage temperature: -20 to 60°C (-4 to 140°F)
- Long Term Storage w/ battery: 35°C maximum (95°F)
- Humidity: 10% to 90%, non-condensing
- Altitude: 2,000 meters (6,561ft) maximum

Rating

- 300V CAT III, 120/240Vac, 40 amps or less, single phase

Safety Compliance

- TUV, CE



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