

斷路器接線檢測計 FUSE, CIRCUIT BREAKER AND FAULT FINDER

188 FFF 包含發送器(Transmitter)和接收器(Receiver)兩部份。

發送器由其連接的主電源電路取得電源不需要電池。它所產生的調諧頻率為10kHz，接收器的偵測器位於頂端，收到的訊號振幅可顯示於帶狀的LED上，越多LED亮著，代表訊號越強。

特點

1. 造型優美，符合人體工學，無論直立著或平持，檢測都非常方便省力。
2. LED和蜂鳴器響應，非常明確易於辨識。

用途

1. 通常在新建築完成時，斷路器箱(俗稱總開關)需要進行各開關的標示時，使用188 FFF為最佳時機。
2. 在未標示或標示不明的開關箱，想要確認電器設備連接的開關，以便關閉電源，進行電器設備修理，此時，可予以應用。
3. 檢查接地是否不良。

使用方法

1. 將發送器(Transmitter)插入插座。
2. 打開總開關箱，手持接收器(Receiver)，按下ON鍵，此時三長聲進行自我測試完成。
3. 接收前端接近斷路器，逐一檢測斷路器，如果發現LED亮得最多，且聲音最急促響亮，即表示該斷路器連接到插座，就可進行確認，予以標示或其他動作。

規格

接收器(Receiver)

接收頻率	10KHz
LED 數	9
蜂鳴器	1
電源指示燈	1
啟動鍵	1
關閉鍵	1
使用電池	9V(6F22 006P)*1
外形尺寸	200(長)*50(寬)*40(高)公厘
重量	約 112 克

傳送器(Transmitter)

適用頻率	110V~240V 交流電壓 (50/60Hz)
發送頻率	10Hz
外形尺寸	60(長)*50(寬)*33(高)公厘
重量	約 134 克



188 FFF

FUSE, CIRCUIT BREAKER and FAULT FINDER



188 FFF

The 188FFF is a Fuse and Fault Finder which comprises of two parts:
The Receiver and the Transmitter.

The Transmitter, draws a current from the mains supply circuit to which it is connected to. The Signal Current from the Tx is at about 10kHz. The Transmitter is powered by the mains and requires no batteries.

The 10kHz signal current generated by the Transmitter is then searched (sniffed) by the Receiver to detect the Fuse, Circuit Breaker or the faulty circuit.

The Receiver is a tuned circuit which has its center frequency tuned to about 10kHz. The sensor is located in the tip of the Receiver. The amplitude of the received signal is shown on a bar-graph type Leds.

The more Leds ON, the stronger the signal.
The Receiver uses one 9V battery.

SPECIFICATIONS

Receiver

Tuner circuit mid Frequency	10kHz
Bar Graph Leds	9
Battery indicator Led	1
On button	1
Off button	1
Buzzer	1
Auto-off (Min) approx	1
Power source	9V(6F22 006P)x1
Dimensions	200(L)x50(W)x40(H)mm
Weight	112g(battery included)
Material	Polycarbonate/ABS

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 buzzer.

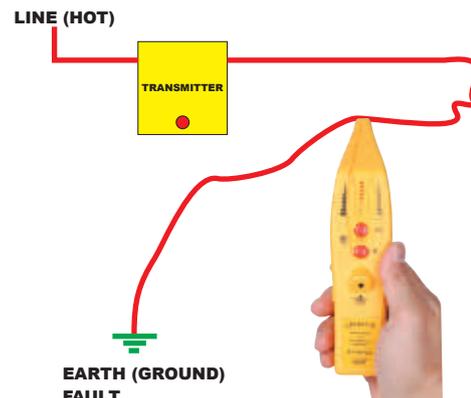


The Circuit breaker which supply the Transmitter circuitry is the one, which, when pointed out by the tip, has the most LEDs lit on the bar-graph and the fastest buzz.

FINDING EARTH FAULT

To find an earth fault, or the trace faulty wire, you must connect the transmitter in serie 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 Transmitter, using an adaptor, in serie, 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.



Transmitter

Working Voltage	110 to 240 Vac (50/60Hz)
Frequency of Sourced signal	10 kHz
Dimensions	60(L)x50(W)x30(H)mm
Weight	134g
Connection	Specify type of plug