

# **TIS 870 Transmitter & Receiver**

# **Circuit Breaker Finder/ NCV Detector/ Socket Tester**

# **Instruction Manual**

## Functions:

- Quickly and Accurately identifies, Circuit, Fuse/Breaker, with New 2<sup>nd</sup> Pass Technology
- Non- Contact Voltage Detector and 13a Socket Tester with Buzzer
- Audible buzzer and light indicators
- Low battery indicator
- Working voltage: AC230V-50Hz
- Safety rating: IEC1010-1 CATII 600V (TIS 870)

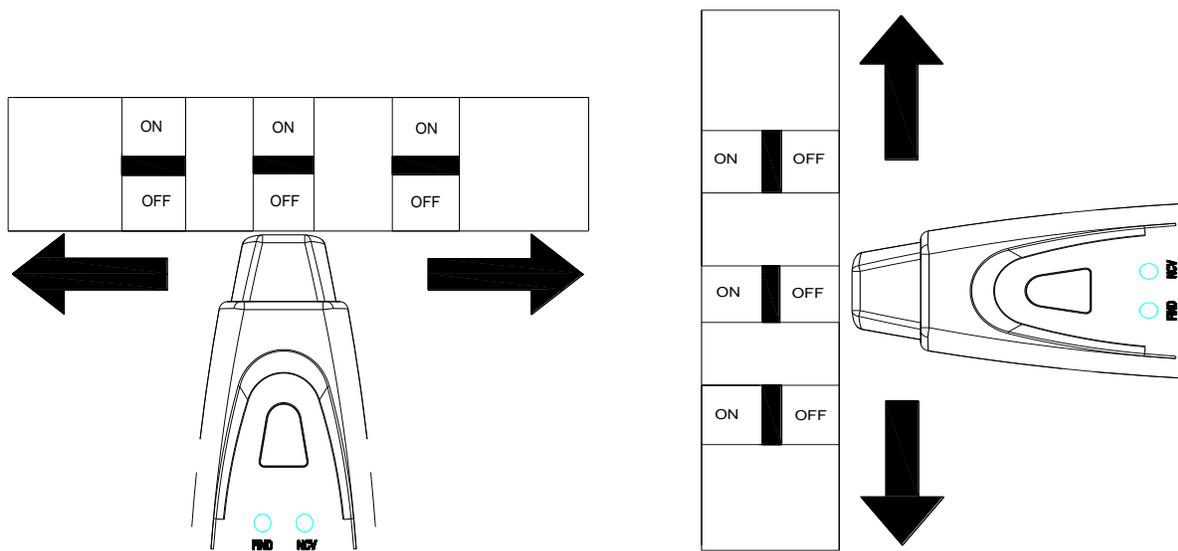
## Important Information:

- Please read and follow all instructions carefully.
- The probe of the TIS 870 Receiver is directional; see the picture below for usage instructions.
- The TIS 870 Transmitter must be connected to 230V/50Hz mains 13a socket for use
- The TIS 870 Set must be used for Circuit, Fuse & Breaker finder functions
- When the yellow LED on the TIS 870 lights up, please replace the battery

## Instructions:

### 1. Circuit, Fuse/ Breaker Finder

- A. Plug the TIS 870 Transmitter into the 13a socket, slide the switch to Breaker Find, the red LED should light up indicating the line is connected to the power supply. If the LED does not light, check power supply or connections to power supply.
- B. Move the switch on the TIS 870 Receiver to the FIND position, the Red LED should be lit. At the Distribution Board, take the receiver and pass the tip across the breakers slowly (as indicated in the diagram below) You may hear several beeps, this is normal. Then return to the original start position and go across again this time you should only have one beep together with a green light, this indicates the breaker that covers the circuit that the transmitter is connected to.
- C. On certain Distribution Boards it may be necessary to remove the cover, to enable identification



## 2. NCV Non-Contact Voltage Detection

- A. Move the Switch on the TIS 870 Receiver to the NCV position for Non-Contact Voltage detection.
- B. Using the tip of the receiver, move it toward the conductor or source of power in question. If the receiver detects voltage, the LED will flash and a buzzer will sound. This is for indication purposes only do not attempt to tamper with the supply unless you have used a lock out kit and a Voltage Tester to prove the circuit is dead

## 3. Socket Test

- A. Move the switch on the face of the TIS 870 Transmitter to "Socket Test."
- B. Plug the transmitter into a 13a socket. Note the indicator lights on the face of the TIS 870 Transmitter and refer to the following table to determine if the 13a socket is correct or not.
- C. If the TIS 870 Transmitter indicates a fault. DO NOT USE the socket, until rectified, by an electrician

PLEASE NOTE A SOCKET TESTER CANNOT INDICATE A NEUTRAL-EARTH REVERSAL

Tone	Indicator Lights	Fault
Solid	● ● ●	Socket is connected correctly
Alternating	● ● ●	Ground wire not connected
Alternating	● ● ●	Live and ground wires reversed
Alternating	● ● ●	Live and neutral wires reversed
Alternating	● ● ●	Neutral wire not connected

## **Specifications:**

- Working temperature: 0~50°C (32~122°F)
- Relative humidity: <80%
- Dimensions: Receiver: 177×46×31mm (6.97×1.81×1.22 in)  
Transmitter: 71×64×55mm (2.80×2.50×2.16 in)
- Weight: Receiver: 135g (4.76oz)  
Transmitter: 63g (2.22oz)
- Power Supply: 9Vbattery