

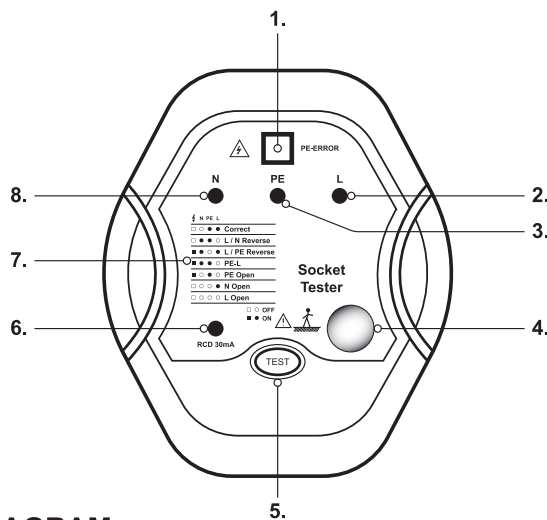
Socket / RCD Tester Instructions

INTRODUCTION

This Socket Tester can be used to determine whether a socket wiring is correct or incorrect. It is equipped with an additional RCD tester for testing the operation of RCDs that do not exceed a rating of 30mA. In conjunction with the coding table provided, the five combined indicators indicate the true status of the wiring condition. A clear indication of a PE-error will be shown on the LCD. A clear indication of a dangerous contact voltage is present at PE (potential ground).

FEATURES

- Provides a true ground error indication through the LCD.
- Provides quick recognition of dangerous voltage being present at the protective earth.
- The use of three neon indicators provides rapid detection of correct / incorrect wiring.
- Provides fast and effective RCD test function



DIAGRAM

- | | |
|--------------------------------|-----------------------|
| 1. LCD for PE-error indication | 5. Test button |
| 2. Live | 6. RCD 30mA indicator |
| 3. Ground conductor (PE) | 7. Coding table |
| 4. Contact electrode | 8. Neutral (N) |

OPERATING INSTRUCTIONS

Testing Socket Wiring

1. Plug instrument into the socket to be tested.
2. Touch the contact electrode with one finger and read the indicators. Explanation regarding the test result is described in the **Coding Table**. If the LCD display shows the "△" symbol when you touch the contact electrode, a dangerous contact voltage is present at the PE-conductor and the complete electrical installation must be checked by a qualified electrician.

RCD Test

WARNING: This instrument can not be used a replacement for a diagnostic RCD tester.

1. Plug the instrument into the socket which is under the monitoring of the RCD to be tested. If the "RCD 30mA" indicator doesn't light, do not proceed to perform the RCD test.
2. Push the button to start RCD test. The RCD must trip after the test. If the RCD does not trip, the RCD or the entire electrical installation must be checked by a professional electrician.

CODING TABLE

| N PE L | RCD 30mA Lamp | Description |
|-------------------------------|---------------|------------------------|
| □ ○ ● ● Correct | ● ON | Correct socket wiring |
| □ ● ● ○ L / N Reverse | ○ OFF | Live / Neutral reverse |
| ■ ● ● ○ L / PE Reverse | ● ON | Live / Ground reverse |
| ■ ● ● ○ PE-L | ○ OFF | Ground equal to live |
| ■ ○ ● ○ PE Open | ○ OFF | Ground open |
| □ ○ ○ ● N Open | ● ON | Neutral open |
| □ ○ ○ ○ L Open | ○ OFF | Live open |

□ ○ OFF
■ ● ON

"△" stands for the LCD's indication.

"N", "PE" and "L" stand for the three neon indicators respectively.

WARNINGS AND PRECAUTIONS

1. In order to avoid electrical shock observe all safety measures when working with voltages above 32V AC rms, 42V AC or 60V DC. These voltages will pose a shock hazard that can be fatal.
2. If a plug adapter has to be used to test a socket or a lead connection, ensure that this adapter is in a perfect condition and that the protective conductor connection of the adapter is continuously connected. Using plug adapter without continuous protective conductor leads to faulty test results.
3. For socket wiring test, a clear and safe statement concerning the test result can only be given in connection with the touching of the contact electrode.
4. Result of the instrument's RCD test is only for reference, RCD test result is not guaranteed.
5. Except the contact electrode, do not touch any other conductor with hand or skin to avoid electric shock.
6. **This tester cannot detect Neutral/Potential Earth reverse wiring**
7. Examine the tester before use if it shows any sign of damage, it should not be used.
8. Before use check the tester is in working order, verify its operation on a known safe voltage source.
9. The LED lamps may at times light up weakly depending on the distributed capacitance of the electrical installation being tested.
10. Always keep the instrument dry and clean.
11. Do not use this tester with wet hands or in damp or wet locations.
12. To avoid electric shock, do not touch any exposed conductors or attempt to carry out work on a known live source.

Specifications

| | |
|--------------------|--|
| Nominal Voltage: | 240V UK Socket |
| Measurement Cat: | CAT III, 300V |
| RCD Test Time: | 60 ~ 300ms |
| Contact Voltage: | <35V AC against ground (depending on the coupling to earth) |
| RCD Test Current: | 30mA ±15% |
| Frequency Range: | 50 ~ 60Hz |
| Operating Temp: | 0°C ~ 40°C |
| Relative Humidity: | <80% |
| Dimensions: | 76 x 67 x 74mm |
| Weight: | 82g |

NOTE

1. This manual is subject to change without notice.
2. Faithfull tools take no responsibility for any personal injury, loss or damage caused by the inappropriate or misuse of this product.
3. The contents of this manual cannot be used as the reason to use the meter for any other special application.

Every Faithfull electrical product is guaranteed for a period of one year, subject to the same exceptions as mentioned above. In the case of electrical products used for hire, the guarantee period is restricted to three months.



IMPORTANT SAFETY INFORMATION

It is essential that you read and understand the instructions contained in this manual before using the socket tester for the first time. Failure to follow these instructions could result in an electrical shock or possible damage to the meter or to the equipment under test. This manual should be stored safely for future reference.



DISPOSAL OF THIS ARTICLE

Dear Customer,
If you at some point intend to dispose of this article, then please keep in mind that many of its components consist of valuable materials, which can be recycled. Please do not dispose of this product in the household waste bin, but check with your local council for recycling facilities in your area.



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