

OPERATING AND INSTALLATION
INSTRUCTIONS FOR
RCD SOCKET

General Description

RCD devices provide protection against electric shock in the event of a fault developing within the appliance or an accident such as cutting through the mains lead. The double pole device within the unit provides complete isolation from the mains when tripped. The RCD complies with BS7288 safety standard.

This latching RCD will remain functional once set and will stay latched should there be a power cut, only tripping when a hazardous earth fault occurs.

- 4) Care must be taken not to subject your RCD to abnormal pollution by smoke, chemicals or flammable fumes, salt laden spray prolonged periods of high humidity immersion repeated dropping or other abnormal conditions.
- 5) Electricity is dangerous and an RCD must not be used as a substitute for normal precautionary measures. Always unplug from mains supply before any inspection or repair to equipment Do not allow children to tamper with electrical devices.
- 6) Seek advice from the manufacturer, responsible vendor or a competent electrician if the RCD repeatedly trips with an appliance connected or if it should fail to trip when tested in accordance with the instructions.

Installation for RCD Instructions

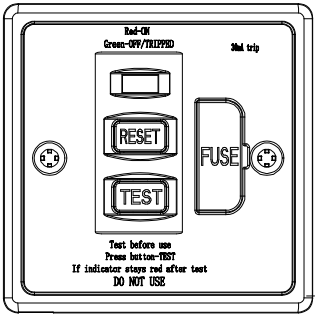
These accessories must only be installed by a competent person and in accordance with the current edition of the IEE Wiring Regulations (BS 7671: Requirements for Electrical installations) and any applicable statutory regulations.

NOTE: IF YOU ARE IN ANY DOUBT ON HOW TO PROCEED, CONSULT A QUALIFIED ELECTRICIAN.

Switch off the mains supply. disable it by locking OFF or removing fuse before commencing installation.

Rigidly fasten mounting box to wall using holes in base.

Remove knockouts in positions required and insert 20mm rubber grommets, conduit or cable glands before feeding SUPPLY and LOAD cables. The RCD could either form part of a 30A ring main or terminate a spur off it. The cables connecting to the RCD spur should be 2.5mm. Connect wires to terminals (Brown to L, Blue to N, yellow/black to earth).



Technical Specification

- RCD Type: Passive/Latching
- Voltage Rating : 240V AC
- Current Rating : 13A
- Rated Tripping Current : 10mA or 30mA
- Breaking Capacity : 250A
- Short Circuit Withstand: 1500A
- Ambient Operating Temp: -5°C to +40 °C
- Operating Speed: <40ms
- Contact Break: Double Pole
- Specifications: BS7288-2016/BS1363
- Minimum Box Depth: 25mm
- Fixing Screws: M3.5X25 or 35mm

IMPORTANT . Always connect an earth wire sleeved Green/Yellow between earth terminal in mounting box and earth terminal of RCD.

Fit and fasten RCD to mounting box using the two screws provided

The RCD unit can be installed in the same manner as a conventional unit into any moulded gang surface box to BS of suitable depth

WARNING - WIRING TESTS

Remove this product from circuit if carrying out wiring tests (impedance, prospective short circuit current and insulation resistance. Affix the warning label provided to remind others of this requirement insulated wires should have 15mm of insulation removed from the free ends.

If the RCD trips

Turn the appliance off, press the RESET button and note that the status indicator turns red. Switch the appliance ON and if the RCD trips again, switch OFF the appliance and do not use it, as it may be faulty. Seek professional advice.

Operation

The RCD unit should be tested (as below) each time before use.

Testing Procedure:

RESET - press the green button marked RESET, the status indicator should show red.

TEST - press the blue/grey button marked TEST, status indicator should show green. This indicates that the RCD has been tripped and power has been disconnected.

RESET - press the green button marked RESET again, the status indicator should show red.

If all the above operations work satisfactorily, the RCD is safe for use. If the procedure is not completed satisfactorily do not use the RCD and seek professional advice. To ensure a long life and the efficient operation of this product it should not be subjected to mistreatment or abnormal conditions such as smoke chemical fumes, salt spray or long term high humidity.

Safety Notes

- 1) If the device does not operate in the way described in 'Test Procedure' above, do not use. It is likely that the RCD device is faulty and should be returned to the vendor from whom it was purchased.
- 2) No attempt should be made to repair the RCD socket. The units are sealed to prevent tampering and any damage to this seal will invalidate the guarantee.
- 3) This RCD has been designed for storage and use between -5 °C and +40°C, with an average value not exceeding 35°C measured over 24h period. And at an altitude of not greater than 2000 m above sea level.

