



OPERATING AND INSTALLATION INSTRUCTIONS FOR WRCDSSK1

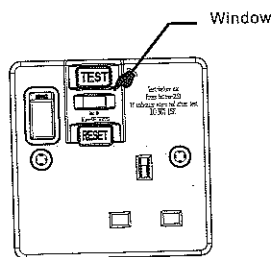
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Name: 13A 1 Gang RCD Switched Socket Outlet, moulded
Model: WRCDSSK1

General Description

The 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 are complying with BS7288 and BS1363 defined.

This socket has been designed for storage and use between -5°C and +40°C and at an altitude of no greater than 2000 metres above sea level.



FRONT VIEW

These devices with unique mechanical suspension means (latching pin) Closing the contacts will open automatically if there is an interruption in the mains supply.

Technical Specification

● RCD Type:	Latching pin
● Voltage Rating:	240V AC
● Current Rating:	13A
● Rated Tripping Current:	30mA
● Breaking Capacity:	250A
● Short Circuit Withstand:	1500A
● Ambient Operating Temp:	-5°C to +40°C
● Operating Speed:	<40mS
● Contact Break:	Double Pole
● Specifications:	BS7288-1990/BS1363
● Minimum Back Box Depth:	35mm
● Fixing Screws:	M3.5X37mm
● Cable Capacity:	5X2.5mm ² , 2x4mm ² , 1X6mm ²

To ensure a long life and efficient working of these products they should not be subjected to mistreatment or abnormal conditions such as smoke, chemical fumes, salt spray or long term high humidity.

Operation

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

Testing Procedure

- 1) Remove appliance plugs from sockets.
- 2) If the red signal flag is not visible in the status window, press the dark green button (Reset).
- 3) The red flag should appear in the status window. If the red flag does not appear it may mean that there is no mains

- supply fed to the socket. If mains supply is being fed to the socket and the red flag does not appear, see 'Safety Notes' below.
- 3) Press the blue button (Test). The red flag should disappear. If the red flag remains visible, do not use. See 'Safety Notes' below.
 - 4) Reset the device by pressing the dark green button (Reset). The red flag should reappear in the status window.

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 s.r.c.d. 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 2000m above sea level.
- 4) Care must be taken not to subject your s.r.c.d. 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 s.r.c.d. repeatedly trips with an appliance connected or if it should fail to trip when tested in accordance with the instructions.

Using the RCD Socket

- 1) Insert the plug(s) of the appliance(s) you wish to use.
- 2) The RCD socket should remain set and the appliances should work normally. The red flag will remain visible in the status window. If the action of plugging in the appliance causes the device to trip (the red flag will disappear from the window), it is likely that there is a fault with the appliance. Consult a qualified electrician (see following note).

Note:

The circuit to which the RCD socket is connected, may be protected by another backup RCD somewhere else in the circuit.
In the event of a fault developing, the backup RCD may trip before the RCD socket.

Installation for RCD instructions

Switch off the mains supply and remove the appropriate fuse or switch off the appropriate circuit breaker before commencing installation. Ensure that no one else has access that would enable the supply to be inadvertently reconnected.

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.

The RCD sockets can be installed in the same manner as a conventional socket into any moulded 2 gang surface box to BS 5733 of suitable depth.

The RCD socket can either be used on a ring circuit, in which case there will be a pair of twin and earth cables entering the box, or on a spur, which will only have one twin and earth cable entering the box.

All the individual insulated wires should have 15mm of insulation removed from the free ends.

In all cases the bare ends of the red (Live) conductors should be secured firmly into the live terminal (marked L), and the bare ends of the black (Neutral) conductors should be secured firmly into the neutral terminal (marked N). The bare earth wires should be sleeved with green and yellow PVC sleeving up to 15mm, from the free ends and the bare ends secured into the earth terminal (marked $\oplus$).

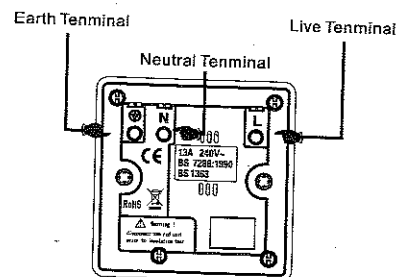
Connect a short length of wire from the accessory earth terminal to the earth terminal in the wall box. If the earth wire is bare it should be sheathed with a length of green/yellow sleeving.

The socket is then gently pushed into the box ensuring the wires are formed to lie in the box out of the way of the socket. The socket is retained in the box by means of the two 3.5mm screws provided.

These are passed through the mounting holes of the socket and screwed into the box lugs.

Tighten sufficiently to hold the socket against the wall (or the front of a moulded box), ensuring the screws are not over-tightened.

WARNING! - Please note that RCD sockets should be disconnected from the circuits prior to carrying out any insulation tests.



REAR VIEW