



Lewden Ltd.
Unit 4 Bradbury Drive
PO Box 12344
Braintree CM7 0JR
United Kingdom

SRCD Type A



Operating & Installation Instructions

13A 2 gang RCD Switched Socket Outlet
Models: RCDSMSA and RCDSWSA



09.21

Tel +44 (0)1376 336200
www.lewden.com

General Description

The residual current device (RCD) provides protection against electric shock in the event of a fault developing within the connected appliance, or an accident such as cutting through the mains lead.

The RCD is a double pole device, and will provide total isolation from the mains supply when tripped.

The RCD features a latching technology. Closed contacts will open automatically if there is an interruption in the mains supply, and will re-close automatically upon restoration of the mains supply.

Technical Specification

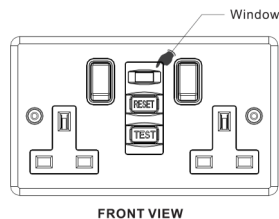
RCD Type	Type A / Passive
Operating Voltage	230-240VAC 50Hz
Current Rating	13A
Rated Tripping Current	30mA
Breaking Capacity	250A
Short Circuit Withstand	1500A
Operating/Storage Temp.	-5°C to +40°C
Installation Altitude	≤2000M above sea level
Standards	BS7288: 2016 BS1363-2: 2016 +A1:2018
Minimum back box depth	35mm
Fixing screws	M3.5 x 35mm
Cable capacity	5x2.5 / 2x4 / 1x6mm ²
Ingress Protection	IP20

Operational Testing Procedure

The RCD socket should be tested each time before use.

Test procedure:

1. Remove appliance plugs from sockets
2. If the Red signal flag is not visible in the status window, press the green Reset button.
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 to the socket outlet. If the mains supply is present and the red flag does not appear, refer to Safety Notes.
4. Press the blue Test button. The red flag should disappear. If the red flag remains visible, Do Not Use.
5. Reset the device by pressing the green Reset button. The red flag should re-appear in the status window.



Using the RCD socket

Insert appliance plug(s) into the socket outlet

The RCD should remain set and the appliance should function 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) it is likely that there is a fault with the appliance. Consult a qualified electrician.

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

Safety Notes

If the device does not operate in the way described in the 'Test Procedure' do not use. It is likely that the RCD device is faulty.

No attempt should be made to repair the RCD socket. The unit is sealed to prevent tampering, and any damage to the seal will invalidate the warranty.

The SRCD should not be subjected to an average temperature exceeding +35°C over a 24 hour period, and altitude not greater than 2000M above sea level.

Care must be taken not to subject the SRCD to abnormal pollution by smoke, chemicals, or flammable fumes, salt laden spray, prolonged periods of high humidity, immersion, repeated dropping or other abnormal conditions.

Electricity is dangerous and an RCD must not be used as a substitute for normal precautionary measures. Always unplug from the mains supply before any inspection or repair to equipment. Do not allow children to tamper with electrical devices.

Seek advice from the manufacturer, responsible vendor, or competent electrician if the SRCD repeatedly trips with an appliance connected, or if it should fail to trip when tested in accordance with the instructions.

Installation 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 IET Wiring Regulations BS7671, and any applicable statutory regulations.

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

The RCD socket can be installed in the same manner as a conventional socket into a surface or flush fitting back box to BS5733 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, or radial circuit, which will only have one twin and earth cable entering the box.

All insulated wires should have 15mm of insulation removed from terminating ends.

In all cases, the bare ends of the Brown (Line) conductors should be secured firmly into the line terminal (marked L), and the bare ends of the blue (Neutral) conductors firmly into the Neutral terminal (marked N). The bare earth wires should be sleeved with green & yellow PVC sleeving up to 15mm from the terminating ends, and the bare ends secured into the earth terminal.

The socket is then gently pushed into the box ensuring that 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 two M3.5 screws provided.

Tighten the screws sufficiently to hold the socket against the wall or surface box, ensuring that the screws are not over-tightened.

WARNING: The RCD socket should be disconnected from the circuit prior to carrying out insulation resistance tests.

