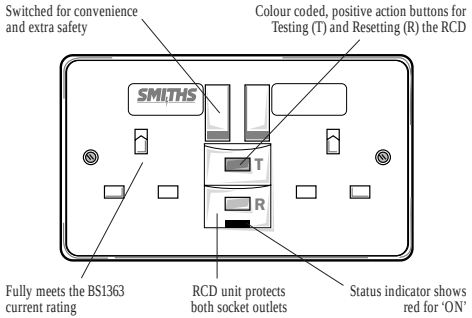
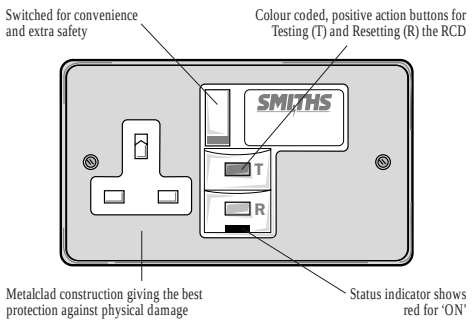
Double Socket

RCD05W, RCD06WL shown



Single Socket

RCD03M, RCD04ML shown



1

General

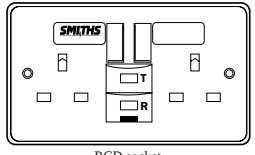
This RCD socket outlet series is designed to mount on either a BS4662 recessed double box or a BS5733 surface mount double box (plastic versions only).

The RCD unit comes in two forms, a latching version with last letter 'L' in the type number and a non-latching version. The latching version, if set, will retain closed contacts if the mains supply is interrupted - essential for applications such as freezers. The non-latching version, if set, allows the contacts to open if the mains supply is interrupted - a "safety must" for applications such as power bench tools. The latching version has a reset button coloured grey and the non-latching has a blue reset button.

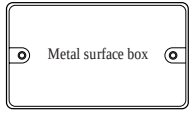
The RCD unit complies fully with BS7288 and the socket outlets to BS1363. The combined unit provides protection against fire hazard and rapid double pole disconnection from electric shock for the appliance(s) and cable(s) connected to it.

Contents

1 RCD01W / RCD02WL / RCD03M / RCD04ML / RCD05W / RCD06WL / RCD07M / RCD08ML
2 3.5mm dia screws, 35mm long
3 Warning label
4 Metal surface box (RCD03M / RCD04ML / RCD07M / RCD08ML only)



RCD socket



Warning label

Note: RCD - Residual Current Device (formerly known as an Earth Leakage Circuit Breaker)

2

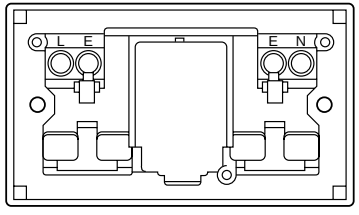
Installation

The RCD socket outlet should form part of a 30A ring main or terminate a spur off a 30A ring main. Cable connecting the RCD socket outlet will normally either be 2 x 2.5mm² or equivalent for the ring main or 1 x 2.5mm² or equivalent for the spur.

Ensure that there is both sufficient length of cable tail to enable easy wiring and not too much to make losing the excess length in the conduit difficult.

Strip sleeving and insulation and cut wires as required. Tighten the screw terminals onto the exposed wires maintaining correct polarity and offer the unit up to the wall box losing excess cable length into the conduit and forming the cables as required.

Screw the two 3.5mm dia screws into the threaded holes provided in the wall box and tighten sufficiently to hold the RCD socket outlet in place. Do not overtighten.



Connections

Red (Live) to L
Black (Neutral) to N
Bare Earth wire, sleeved Green / Yellow, to E

(one or both terminals can be used as convenient)

Note - with some makes of BS4662 boxes it will be necessary to bend back the upper and lower fixing lugs to enable the RCD socket outlet to be fitted.

3

Operation

Always test the RCD socket outlet before use.

To test:

i RESET - press the grey / blue button marked R (for reset), the status indicator should show red, showing socket outlet(s) are live assuming rocker switch(es) are in the closed condition.

ii TEST - press the red button marked T (for test), status indicator should show black. This indicates that the RCD has tripped and power has been disconnected from the socket outlet(s).

iii RESET - press the grey / blue button marked R again, the status indicator should show red.

If all the above operations work satisfactorily the RCD socket outlet is safe for use. **If the procedure is not completed satisfactorily do not use the RCD socket outlet and seek professional advice.**

To use:

After satisfactorily testing the RCD socket outlet, the appliance may be plugged in, the appropriate rocker switch turned on, and the appliance used in the confidence that the user is protected by rapid disconnection from electric shock.

If the RCD trips:

Switch the appropriate rocker switch off and unplug the appliance. Press the button marked R and note that the status indicator turns red. Plug the appliance in and turn the rocker switch on, **if the RCD trips again unplug the appliance and do not use, it may be faulty. Seek professional advice.**

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