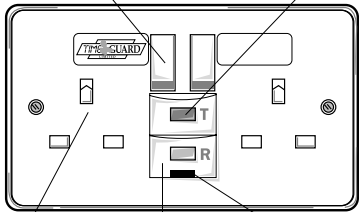


Double Socket

RCD05W, RCD06WL shown

Switched for convenience and extra safety

Colour coded, positive action buttons for Testing (T) and Resetting (R) the RCD



Fully meets the BS1363 current rating

RCD unit protects both socket outlets

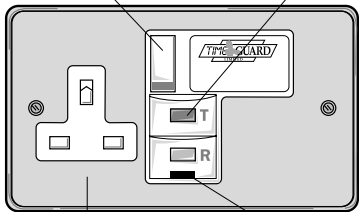
Status indicator shows red for 'ON'

Single Socket

RCD03M, RCD04ML shown

Switched for convenience and extra safety

Colour coded, positive action buttons for Testing (T) and Resetting (R) the RCD



Metalclad construction giving the best protection against physical damage

Status indicator shows red for 'ON'

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).

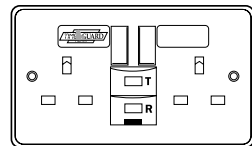
The RCD unit comes in two forms, a latching version with last letter 'L' in the type number and a non-latching version. The latching version, if set, will retain closed contacts if the mains supply is interrupted - essential for applications such as freezers. The non-latching version, if set, allows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

The 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.

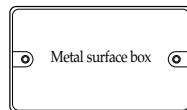
Contents

- 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)

3.5mm dia. screws



RCD socket



Metal surface box



Warning label

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

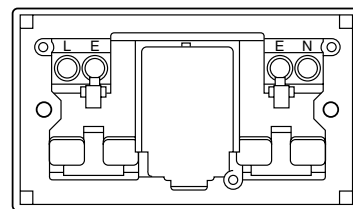
Installation

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.

Metal Clad

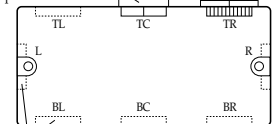
It is necessary to adopt certain gland and conduit assembly procedures.

All forms of cable - flat twin and earth (with grommets), armoured (with 20mm gland), MICC (with 20mm gland) and P.V.C. covered wire in steel conduit can gain entry through all eight knockouts. Only TL, TR, TC and BC require special arrangements.

Please follow these important instructions:-

Cable gland or conduit entry in TC or BC using a male adaptor with a female coupler

Cable gland or conduit entry in TL or TR using a locking inside the box



20mm knockout positions

View of inside of RCD socket outlet back box

TL and TR Knockouts

When using TL or TR knockouts with everything except flat twin and earth and grommets, lockrings with a maximum thickness of 4.2mm and maximum diameter 25.7mm must be used on the inside of the box to secure the gland or conduit. The gland or conduit must not project into the box beyond the locking. This can be achieved by using a locknut or locking on the outside of the box.

In addition to this, if two or more wires are terminated at the L and N terminals, these must not be folded over and doubled up.

TC and BC Knockouts

When using TC or BC knockouts with everything apart from flat twin and earth cable with grommet entry, a male adaptor should be used within the box along with a female coupler on the outside to terminate cable glands or conduit.

3 Year Guarantee

In the unlikely event of this product becoming faulty, due to defective material or manufacture, within 3 years of the date of purchase, please return it to your supplier with proof of purchase and it will be replaced free of charge.

Should you encounter any difficulty please contact our helpline on 020 8450 0515

HELPLINE
020-8450-0515



For a product brochure please contact:

Timeguard Ltd.

Victory Park, 400 Edgware Road,
London NW2 6ND
020-8452-1112

or email csc@timeguard.com

Designed and manufactured in the U.K. 67-058-47 (Iss 3)

Operation

Always test the RCD socket outlet before use.

To test:

- i RESET - press the 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 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.**

Safety Issues to Remember

- Electricity can be dangerous, use of an RCD socket outlet should not be regarded as a substitute for basic electrical safety precautions.
- **ALWAYS test the RCD socket outlet before use. If the test procedure is not completed satisfactorily or an appliance continually trips the unit unplug the appliance and seek professional advice.**
- To clean use a dry cloth only. Do NOT use any liquid cleaners.
- The RCD socket outlet should NOT be used when it could come into contact with liquids or excessive atmospheric pollution.

Wiring Tests - Important

Remove this product from circuit if carrying out tests (as described in the 16th edition of the IEE Wiring Regulations) for earth loop impedance, prospective short circuit current and insulation resistance. **Please use the enclosed warning label to ensure this is carried out.**

Specifications

Voltage:	220 - 240V AC 50Hz
Max Current:	Fully complies with the current rating required by BS1363
Rated Trip Current:	30mA or 10mA (as marked on RCD product)
RCD Type:	Double pole, suitable for 2 and 3 wire appliances
Breaking Capacity	250A (Earth Leakage)
Through Fault Withstand:	1500A
Operating Temperature Range:	-5° to 40°C
Trip Speed:	Less than 40ms at 150mA residual current
Fully Complies With:	BS7288 (RCD performance) BS1363 (socket outlet conformance)
Minimum Box Depth Required:	25mm
Cable Capacity:	1 x 6mm ² or 2 x 4mm ² or 3 x 2.5mm ²

RCD SINGLE & DOUBLE SOCKETS

Single

RCD01W, RCD02WL, RCD03M, RCD04ML

Double

RCD05W, RCD06WL, RCD07M, RCD08ML

