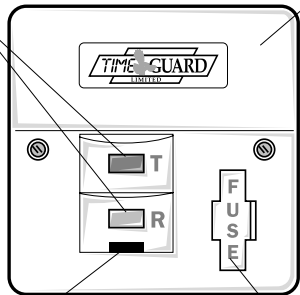


Colour coded positive action buttons for Testing and Resetting the RCD

Impact proof polycarbonate case



Status indicator shows red for 'ON'

BS1362 fuse holder

General

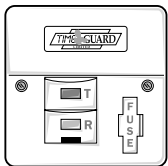
This RCD Fused Connection Unit is designed to mount on either a BS4662 recessed single box or a BS5733 surface mount single box.

The RCD unit comes in two forms, a latching version (RCD10WL) and a non-latching version (RCD09W). 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 version has a blue Reset button.

The RCD Fused Connection Unit complies fully with BS7288 and BS1363 and the unit provides protection against fire hazard and rapid double pole disconnection from electric shock for the appliance and cable connected to it.

Contents

- 1 RCD09W/RCD10WL
- 2 3.5mm dia screws 35mm long



Fused Connection Unit

IMPORTANT
DISCONNECT RCD CONNECTION UNIT PRIOR TO WIRING TESTS

Warning label



3.5mm dia screws

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

Installation

The RCD Fused Connection Unit should form part of a 30A ring main or terminate a spur off a 30A ring main.

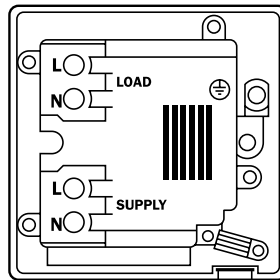
The cable connecting the supply to the Fused Connection Unit will normally either be 2 x 2.5mm² for the ring main or 1 x 2.5mm² or equivalent for the spur. The cable connecting the load appliance will conform to BS6500 or similar and be rated according to the load current or the BS1362 fuse fitted to the connection unit. Strip sleeving and insulation and cut wires as required for the appliance cable. Tighten the screw terminals onto the exposed wires maintaining correct polarity, then fit the cable into the cable clamp groove and tighten down the clamp box.

Ensure that there is both sufficient length of the supply cable tail(s) 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 cable 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 Fused Connection Unit in place. Do not overtighten.

Fit the appropriate BS1362 fuse to suit the load appliance connected to the RCD Fused Connection Unit.



Connections

	Red (Live) to L	Supply
	Black (Neutral) to N	Supply
Bare Earth wire, sleeved	Green/Yellow, to ⊕	
	Brown (Live) to L	Load
	Blue (Neutral) to N	Load
	Green/Yellow (Earth) to ⊕	

Note: with some makes of BS4662 boxes it will be necessary to bend back the upper and lower fixing lugs to enable the RCD Fused Connection Unit to be fitted.

Operation

Always test the RCD Fused Connection Unit before use.

To test:

- RESET - press the grey/blue button marked Reset, the status indicator should show red indicating power is available to the load appliance.
- TEST - press the red button marked Test, status indicator should show black. This indicates that the RCD Fused Connection Unit has tripped and power has been disconnected from the load appliance.
- RESET - press the grey/blue button marked Reset again, the status indicator should show red.

If all the above operations work satisfactorily, the RCD Fused Connection Unit is safe for use. **If the procedure is not completed satisfactorily do not use the RCD Fused Connection Unit and seek professional advice.**

In applications such as hand driers it may not be practical to expect each user to test before use. In this case we suggest an appropriate person applies the test routine twice a day.

To use:

After satisfactorily testing the RCD Fused Connection Unit, the appliance may be switched on, and used in the confidence that the user is protected by rapid disconnection from electric shock.

If the RCD trips:

Turn the appliance switch 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.**

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. 67-058-48 (Iss 2)

Safety Issues to Remember

- Electricity can be dangerous, use of an RCD Fused Connection Unit should not be regarded as a substitute for basic electrical safety precautions.
- Always test the RCD Fused Connection Unit before use. If the test procedure is not completed satisfactorily or an appliance continually trips the unit seek professional advice and switch off the appliance.
- To clean use a dry cloth only. Do NOT use any liquid cleaners.
- The RCD Fused Connection Unit 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:	13A
Rated Trip Current:	30mA
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 40msec at 150mA residual current
Fully Complies With:	BS7288 and BS1363
Minimum Box Depth Required:	25mm
Fixed Cable Capacity:	1 x 6mm ² or 2 x 4mm ² or 3 x 2.5mm ²
Flexible Cable Capacity:	10.5mm overall diameter maximum

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

RCD FUSED CONNECTION UNIT

Models
RCD09W RCD10WL

