



Installation Instructions 2 Gang Outdoor RCD Socket



PRODUCT CODE: EODRCD

WARNING

SWITCH OFF AND ISOLATE THE MAINS SUPPLY EITHER BY SWITCHING OFF THE CONSUMER UNIT OR BY REMOVING THE APPROPRIATE FUSE.

WIRING SHOULD BE IN ACCORDANCE WITH THE LATEST EDITION OF THE IEE REGULATIONS (BS 7671) BEFORE CARRYING OUT INSTALLATION OF THE PRODUCT

THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN.

1. The unit should be mounted on a clean, rigid vertical surface suitable to accept screw type fixings. Surface should be reasonably flat as unevenness could cause product damage or affect operation.
2. Remove fixing screws remove Front assembly from Rear Box. (front assembly is fitted to base)
3. For cable entry, decide if conduit is being used entry positions.

- For side, top or rear entry the LOWERMOST drain hole position MUST be drilled out using a 5mm drill. ONLY ONE drain hole position must be drilled.
- For bottom entry a drain hole must not be drilled in Rear Box, but a drain hole MUST be drilled at lowermost point of conduit run.
- For channel rear entry, around cut or knock-out drill is out rear provided to knock-out. accept For a extra bead of sealing sealant protection, (not supplied) when fixing to mounting surface.

The drilling out of a drain hole or removing rear knock-out will reduce the IP rating of the product.

WIRE IDENTIFICATION -TWIN & EARTH CABLE

EARTH= Green/Yellow Sleeveing

NEUTRAL= BLUE

LIVE= BROWN

To prevent fire hazard always use cable of the correct rating, size and type for the application.

CARE & MAINTENANCE

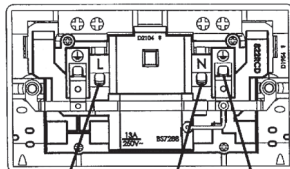
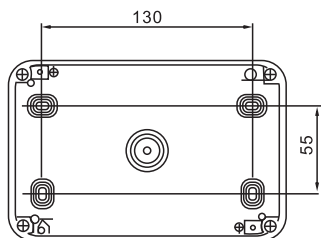
Over time environmental conditions/weathering may affect the stainless steel finish of this product, this could be more severe in coastal regions. Due to this some discolouration may occur. It is recommended the surface is cleaned with a soft cloth soaked in neutral oil, such as WD-40B. Repeat this process up to 4 times a year to maintain superior quality and finish.

SAFETY INSTRUCTIONS - IMPORTANT

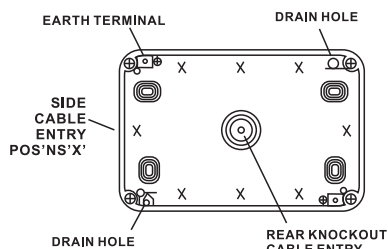
1. An outdoor location should be chosen ensuring adequate access to a mains supply circuit. The circuit MUST be protected by an appropriate fuse, circuit breaker or RCD (Residual Current Device) in accordance with current IEE wiring regulations.
2. Where conduit is used for cable runs water condensation MUST be prevented from collecting inside the unit conduit, drain holes must be drilled
3. If metal conduit is used, earth continuity across the conduit must be maintained using appropriate connections (not supplied, An earth terminal in the rear box is provided as required. An earth connection from supply circuit MUST be made to earth terminal of socket.
4. Where outdoor cable runs occur, ensure cable recommended for outdoor installations is used. In general, rubber insulated cable plastic M20 cable glands can be used. Alternatively standard flat PVC twin earth mains cable inside 20mm plastic or metal conduit may be used where necessary, SWA (Steel Wire Armoured) cable with metal cable glands should be used. The outdoor use of unprotected flat PVC insulated cable is NOT recommended.

Mount the Rear Box using No 8 screws in all four, or at least two diagonal positions on fixing centres shown. The fixing holes are slotted to enable some rotation adjustment if required. Fit supplied bungs over all used fixing screw positions to seal aperture recesses.

Make cable entry into Rear Box as required. Only remove Blank Plugs for positions used. Ensure adequate excess lengths of cable for connection to socket. Install & seal all cable glands & conduit to manufacturer's instructions. Ensure the Gasket Seal is properly fitted over front edge of Rear Box.



LIVE NEUTRAL EARTH



DRAIN HOLE REAR KNOCKOUT CABLE ENTRY

5. To ensure continued safe & proper weatherproof operation, the unit MUST NOT be left with the Cover raised open or the catch left unlocked. Unused cable entries MUST have blank Plug fitter. The Rear Box has multiple cable entry positions on sides & one rear knockout cable entry. Two drain hole positions are provided in relation to cable entry positions as shown. Note position of Earth terminal.
6. Offer up Front Assembly to Rear Box to determine final lengths of cables & cut to suit. Strip outer insulation as required & then trim insulation on individual wires 10-12mm to expose conductor ends.
7. Connect the wires to the correct socket rear terminals The socket terminals are colour coded for easier reference:-
Connect LIVE wire to BROWN LIVE L terminal
Connect NEUTRAL wire to BLUE NEUTRAL (N) terminal Connect EARTH wire to GREEN/YELLOW (E) terminal
Note-the colours of the wires will be dependent on the type of cable used. See Wire Identification section for reference.
8. All earth connections MUST be made & continuity maintained. Note -the Socket has two linked earth terminals but only one needs to be used for this installation.
9. Where any earth conductor is a bare wire, it MUST be sleeved with green/Yellow sleeving.
10. Ensure all terminal screws are tight & all wires are neatly routed & not unduly stretched or pinched.
11. Switch power back on, check Socket is working ensure Cover & Catch operate correctly. the product is now ready to use
12. During life of product, any cleaning should only be carried out with a damp cloth using a mild solution of detergent warm water. DO NOT USE solvent based cleaners as these may cause damage. It is recommended to only clean the external surfaces with Cover closed. DO NOT get any water on Socket if Cover is open.

RCD SAFETY ADVICE

What is a safety RCD socket?

The safety RCD (Residual Current Device) socket continuously monitors the power supply to any electrical appliance plugged into it, and cuts off the power within 40 milliseconds if an earth current fault is detected. This is fast enough to prevent a fatal electrical shock.

Electrical appliances can become dangerous if the wiring becomes loose, if they or their power cords become damaged or if they get wet. Electrocutation is also possible if fingers, wet hair or other conductive bodies enter the appliance In all these cases the safety RCD socket will instantly cut off the electricity before anyone receives a potentially fatal electric shock.

Latching operation : If the unit loses supply-perhaps in a power cut power to the appliance will be cut. When the supply resumes through the RCD, the connected appliance will revert to the original state, i.e. if appliance is switched on, it will turn on as soon as power is resumed to RCD.

IMPORTANT: FOR SAFETY REASONS, DUE TO LATCHING OPERATION IT IS RECOMMENDED TO TAKE EXTRA PRECAUTIONS WHEN USING WITH POWER TOOLS. POWER WILL RETURN AFTER A BREAK IN SUPPLY SWITCH OFF BY THE SWITCH BEFORE CARRYING OUT MAINTENANCE ON YOUR EQUIPMENT.

RCD OPERATING INSTRUCTIONS

PLEASE READ & OBSERVE THE RCD TEST PROCEDURE & RCD SERVICE CONDITIONS BEFORE USE.

RCD TEST PROCEDURE

Stage 1: The RED indicator will normally show in the CLEAR window. If it does not, press RESET (orange) button and the RED indicator should appear.

Stage 2: Press the TEST button.

The RED indicator will disappear from the CLEAR window.

DO NOT USE THE SOCKET IF THE RED INDICATOR REMAINS AND SEEK THE ASSISTANCE OF A QUALIFIED ELECTRICIAN.

Stage 3: Press the RESET button.

The RCD has now been set for safe use provided the RED indicator shows in the CLEAR window.

RCD SERVICE CONDITIONS

This RCD is only suitable for use under the following conditions of service:

- a) an ambient temperature range of -5°C to +40°C, with an average value not exceeding +35°C over one full day
- b) An altitude not exceeding 2000m above sea level
- c) An atmosphere not subject to excessive pollution by smoke, chemical or flammable fumes; salt-laden spray; prolonged periods of high humidity or other abnormal conditions
- d) Not suitable for exposure to direct radiation from the sun or other source of heat likely to raise the temperature above the designated ambient, or areas subject to excessive vibration.

WHERE SEVERE CONDITIONS DIFFER FROM THOSE PRESCRIBED ABOVE, THE ADVICE OF THE MANUFACTURER OR RESPONSIBLE VENDOR SHOULD BE SOUGHT.

AN RCD SOCKET SHOULD NOT BE USED AS A SUBSTITUTE FOR BASIC ELECTRICAL SAFETY.

For more information contact:



Solas Geal Distribution

Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, A84 YP58, Ireland

Phone: +353 1 835 7447, **UK Ph:** 0330 551 7000 **Website:** www.sgd.ie





EU DECLARATION OF CONFORMITY

Manufacturers Name: Solas Geal Distribution
Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, A84 YP58.

Declaration Number:

NO 1: 004-EOD2G, NO2: 004- EODRCD NO 3:004-EOD1G & NO4 004-EOD2GEMP

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Products:

NO 1: IP66 2Gang Socket NO 2: IP66 2Gang RCD Socket, NO 3:IP66 1Gang Socket & NO 4: IPP66
2Gang Empty socket Box

Model Number:

No 1: EOD2G & No 2: EODRCD & No3: EOD1G & No 4 EOD2GEMP

The product/model of the declaration described above is in conformity with the below listed harmonised standards and technical specifications listed below.

Low Voltage Directive (2014/35/EU)

The product/model of the declaration described above is in conformity with the standards and technical specifications listed below:

EN 60529:1991+A1:2000+A2:2013, EN60309-1:1999+A1:2007+AC:2014, EN603092:1999+A2:2012,
BS1363-2:2016+A1:2018

NO 1



NO 2



NO 3



NO 4



Signed:

Date:

Place of Issue: Republic of Ireland

