

INSTALLATION INSTRUCTIONS

IMPORTANT INFORMATION

This distribution board must be installed, commissioned and maintained by a Skilled Person (Electrically) in accordance with the requirements of all relevant legislation (including BS7671 - IEE Wiring Regulations) and any instructions issued by the company.

The total current supplied by the unit must not exceed the rating of the incoming device or any additional information (as shown on the way label). The total sum of individual MCB ratings may exceed this value where there is appropriate diversity in the installation.

Ensure all screws are tightened to the correct torque settings (see over for torque settings) before energising the board. Disconnect electrical supply before installing.

WARRANTY

This distribution board is offered with a 10 year warranty against manufacture or defective material. Should the product become defective, please contact our technical support team on the number below and we will assist you.

+44 (0)1527 517117 or email us at cons@proteusswitchgear.co.uk

INGRESS PROTECTION

The ingress protection level of this board is IP65 and the installer must ensure this level of ingress protection is maintained during the installation, for example only removing minimal knockouts and installing suitably rated glands to maintain compliance.

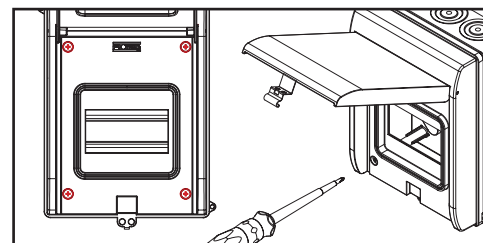
IP RATING

IP65	Protected from dust ingress	Protected from low pressure water jets from any direction
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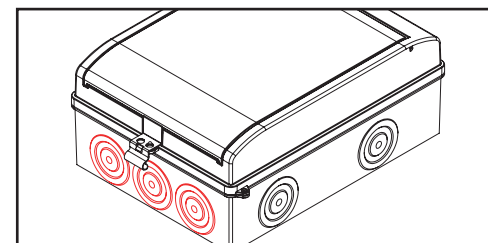
ENVIRONMENTAL

This distribution board falls under the Waste Electrical & Electronic Equipment (WEEE) regulation and is not to be disposed of via household waste due to the risk of harmful chemicals within the product to the environment. Correct disposal of this product is required via a separate scheme and your cooperation is very much appreciated. The Waste Electrical and Electronic Equipment Regulations 2013 (as amended) is the underpinning UK legislation.

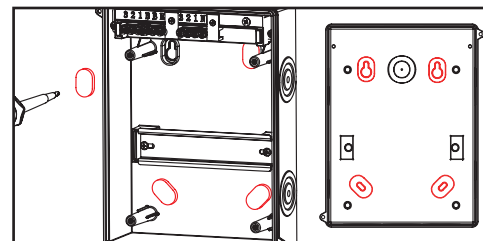
The packaging of this product is made from carefully selected recycled content and due to the considerate design, can be fully recycled after use.



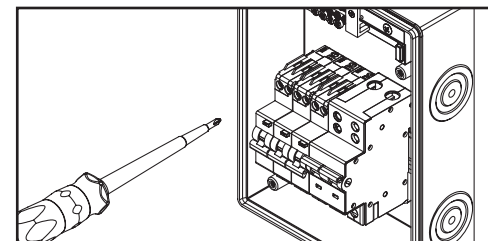
1. Open lid to expose 4x fixing screws for the lid, loosen to remove front cover.



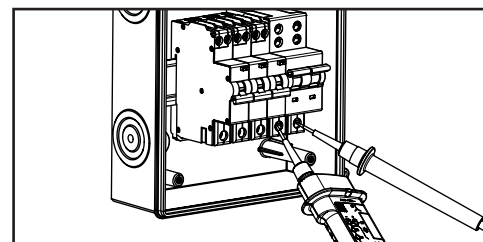
2. Cabling entry via selection of knockouts, only remove minimum amount and ensure IP rating is maintained.



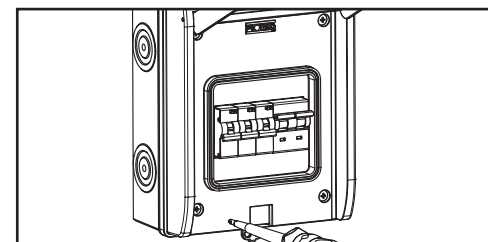
3. Mount in level position via rear fixings and securely fix to the wall. Ensure seals are fitted.



4. Populate the board with required devices and ensure torque settings are followed.



5. Test installation in accordance to the latest wiring regulations.



6. Refit the front cover and secure with 4x fixing screws.

INSTALLATION CONSIDERATIONS

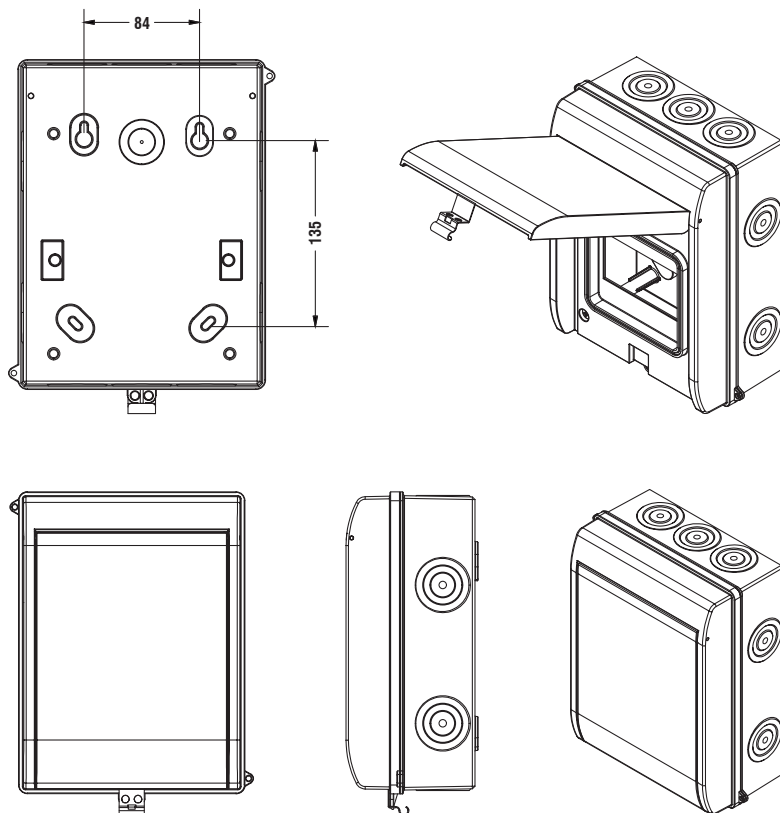
This unit has an Ingress Protection rating of IP65. Care should be taken to ensure the IP integrity is maintained during the installation of this product, particularly with respect to cable entry points and fixings.

Consideration shall be given by the installing engineer / designer as to the installation location of the product and ensure no external influences affect its safety or performance during normal operation.

For any further information, please contact the Proteus Switchgear team.

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FIXING CENTRES



PRODUCT RANGE

DESCRIPTION	IP RATING	CAT. NO.	H(mm)	W(mm)	D(mm)
40A RCBO B curve	IP65	AEV40BT2IPMS	240	180	105
40A RCBO C curve	IP65	AEV40CT2IPMS	240	180	105
Enclosure Only	IP65	AENC655M	240	180	105

TORQUE SETTINGS

After installation, connection and testing have been completed, it is essential that a check be made on the tightness of all screw type cable terminal connections. This check should include all factory made connections, which may have been loosened during transport or inadvertently during installation work. This check should be done before replacing the front cover.

CONNECTION TERMINALS	TORQUE (Nm)
Main Switch / RCD	2.5
MCBs / RCBOs (Line)	2.5
RCBOs (Load)	2.2
AFDD (Load)	2.5
Surge Arrestor	2.5
Earth / Neutral Terminals	1.5

TECHNICAL DATA

Consumer Unit - BS EN 61439-3 including Annex ZB; 230V a.c. 50Hz
 Isolator - BS EN 60947-3
 MCBs - BS EN 60898-1
 RCDs - BS EN 61008-1
 Combined MCB / RCD's (RCBO's) - BS EN 61009-1
 Combined RCBO / Arc Fault Device BS EN 61009-1 EN 62606

CABLE CAPACITY

DEVICES	MAX. CABLE CAPACITY
Isolator	10-50mm ²
RCD	2.5-35mm ²
MCB	1-25mm ²
Compact RCBO (Load)	1-16mm ²
Double Module RCBO	2.5-35mm ²
AFDD	1-16mm ²
Surge Arrestor	1-6mm ²
Earth / Neutral Terminals	1-16mm ² & 1-25mm ²

CONTACT INFORMATION / TECHNICAL SUPPORT

If you require any further assistance or technical support, please contact the business:
 Proteus Switchgear, Pipers Road, Park Farm Industrial Estate, Redditch. B98 0HU
 +44 (0)1527 517117 | www.proteusswitchgear.co.uk