

GENERAL INSTALLATION INSTRUCTIONS

Loadlimiter 63M Ultra SPN MCB Board



The following are supplied with each MCB board :-

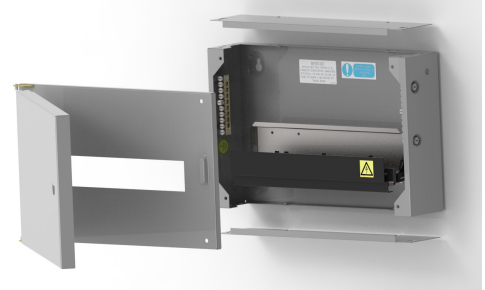
- Dolly cover catch
- Instructions
- Isolator On/Off label
- Way marker label

INSTALLATION AND OPERATION MUST BE IN ACCORDANCE WITH PUBLISHED DATA, INSTRUCTIONS AND DIAGRAMS AND WITH ANY RELEVANT NATIONAL AND LOCAL REGULATIONS.

Storage prior to installation must be in clean,

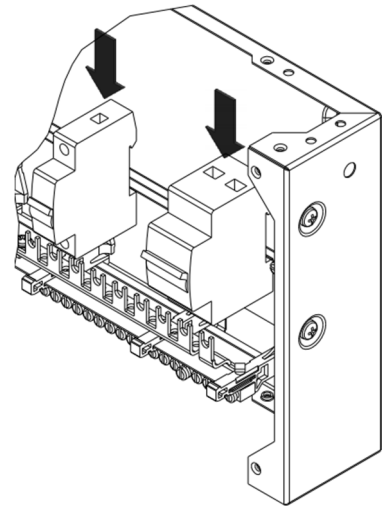
Installation Procedure

- 1) Remove door and front plate assembly by removing 4 fixing screws.
- 2) Remove end/gland plates as required by slackening 4 screws and sliding plate forward off keyhole fixings (no need to remove screws fully).
- 3) If preferred, the pan assembly can also be removed by slackening 2 screws and lifting off keyhole fixings
- 4) Hang enclosure on wall using top keyhole fixings (dimensions overleaf) and secure.
- 5) Secure with 2 holes in bottom keyhole fixings
- 6) If previously removed refit pan assembly and secure.
- 7) Drill the end plates to accept the incoming and outgoing cable glands and refit.
- 8) Fit incomer and outgoing devices as detailed below.
- 9) Install the incoming and outgoing cables
- 10) Identify circuits on way marker label and position directly above MCBs on front plate (Cut label to length as required)
- 12) Refit door and front plate assembly.



Switch Disconnecter/RCCB Incomer Installation

- 1) **Ensure supply is isolated.**
- 2) Unclip busbar shroud extrusion.
- 3) Fully slacken switch disconnecter/RCCB terminal screws.
- 4) Install top terminals of the device onto the end busbar stem and neutral bar connection whilst simultaneously pushing the device towards the busbar and ensuring it is engaged with the mounting plate
- 5) Ensure busbars are fully located within the device and tighten device terminal screws
- 6) Replace busbar shroud extrusion
- 7) Attach ON/OFF label to front plate

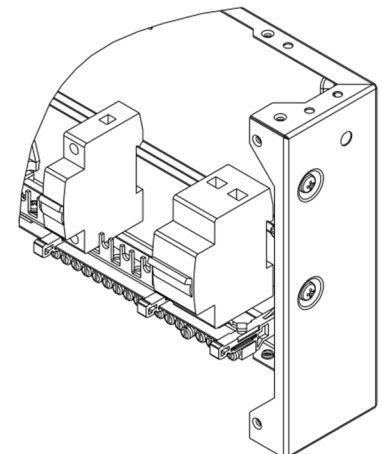


Fitting and Removal of MCBs—Fitting

- 1) **Ensure supply is isolated.**
- 2) Unclip busbar shroud extrusion.
- 3) Fully slacken MCB terminal screws.
- 4) Install top terminals of the MCB onto the busbar stem whilst simultaneously pushing the device towards the busbar and ensuring it is engaged with the mounting plate
- 5) Ensure busbars are fully located within the MCB and tighten the terminal screws
- 6) Fit busbar terminal blanks onto unused ways
- 7) Replace busbar shroud extrusion

Removal

- 1) **Ensure supply is isolated.**
- 2) Unclip busbar shroud extrusion.
- 3) Slacken terminal screws on MCBs to be removed.
- 4) Remove MCB by pulling away from the busbars
- 5) Fit busbar terminal blanks onto unused ways
- 6) Replace busbar shroud extrusion



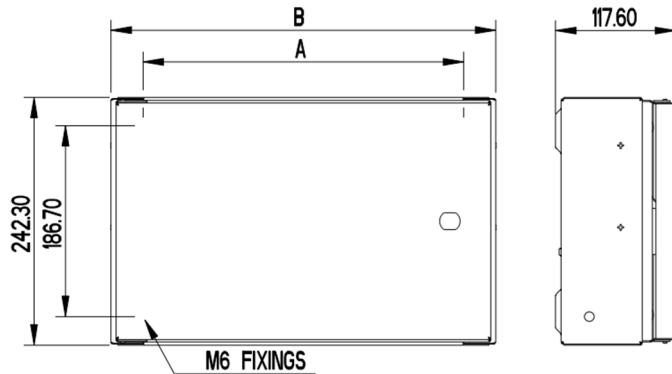
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Dimensions

Total no. of ways incl. incomer	A	B
8 way	206.80	269.80
11 way	260.20	323.20
14 way	313.60	376.60
17 way	367.00	430.00
20 way	420.40	483.40
24 way	491.60	554.60



Maintenance

Maintenance must be carried out by competent personnel WITH THE SUPPLY ISOLATED. However no maintenance of the unit is required except for the periodic checking of the tightness of the terminals. All electrical connections should be correctly aligned, tightened and checked against the following torque figures:-

M4 – 1.35Nm **M5** – 5.5Nm **M6** – 9.5Nm **M8** – 17Nm **M10** – 28Nm **M12** – 45Nm **M16** – 91Nm

Note: 150mm² cable clamps supplied with 250A board should be tightened to a maximum torque of **12Nm**.

We recommend that you retain this sheet and store it with the panelboard for future reference.

Installer's Checklist

- Are the MCBs correctly fitted and secure?.....
- Is the incoming device correctly fitted and secure?.....
- Have the busbar terminal balnks and MCB blanking pieces been fitted to all spare ways?.....
- Have all electrical connections been checked for tightness?.....
- Has the cover plate been securely replaced?.....
- Are all circuits adequately identified?.....

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