



LIVE ELECTRICAL DISTRIBUTION UK LTD

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Ensure that these instructions are made available to the end user for future reference.

© Product installation and operation guide



250AMPS TP&N DISTRIBUTION BOARD WITH SPD EXTENDED BOARD

250AMPS TP&N DISTRIBUTION BOARD WITH SPD EXTENDED BOARD

These instructions should be read full and retained after installation for future reference. Installation instruction.

1. This unit must be installed by a qualified electrician (skilled person) in compliance with current requirements for Electrical Installations (IET Wiring regulations BS7671).
2. Ensure that all power supplying this equipment is Isolated before working on or inside the unit.
3. Make sure all devices, covers and doors are replaced and secured before energizing the power supply to the unit.
4. Remove the gland plates prior to slotting or cutting for cable entries to avoid ingress of swarf & other debris.
5. The SPD protecting the board must not exceed the rating of the incoming main switch or RCCBs or any additional limitation.
6. This unit is only suitable for indoor use.
7. This unit and internal components have been tested to the following standards:
Distribution Board: EN61439-3 MCBs: EN60898 RCCBs: EN61008-1 RCBO: EN61009-1
Main Switch: EN60947-3
8. Before fitting the front cover ensure that all connections (including factory connections) are tight - DO NOT USE POWER TOOLS TO TIGHTEN CONNECTIONS!

Testing the Installation

Once the installation has been completed it is essential to test the unit in accordance with the latest edition of the BS7671 IET 18th Edition Wiring regulations.

Caution

Before fitting the front cover, check the tightness of all connections, including factory made connections and ensure that blanks are fitted to all unused ways.

MCB/RCBO connection

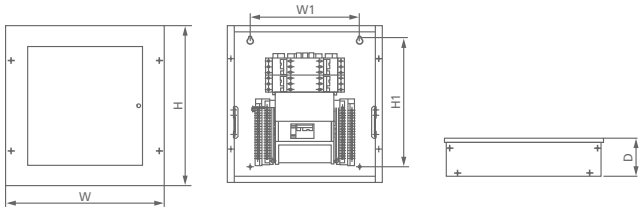
1. Ensure power supply is Isolated.
2. Ensure MCB / RCBO is switched off.
3. Fully loosen all MCB / RCBO terminal screws.
4. Push MCB onto appropriate busbar outgoing way with busbar connection going into top cage as indicated on busbar way label, making sure the din clip is closed and faces towards the busbar assembly.
5. Push RCBO onto appropriate busbar outgoing way, as indicated on busbar way label, making sure the DIN clip is closed and faces towards the busbar assembly. Connect both live and neutral outgoing cable to RCBO outgoing terminals. Connect neutral lead to appropriate numbered terminal on the neutral terminal bar. Connect white functional earth lead to appropriate numbered terminal on earth terminal bar.
6. Please ensure all unused terminals are suitably insulated using the caps and blanks provided.
7. Recommended torque 2.0Nm. DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS!

SURGE ARRESTOR

Inspect the Surge Arrestor at regular intervals and especially after severe Thunderstorms, if the Indicator Window is GREEN the unit is still functional. If window has changed to RED it requires replacement and you should consult a qualified Electrician.

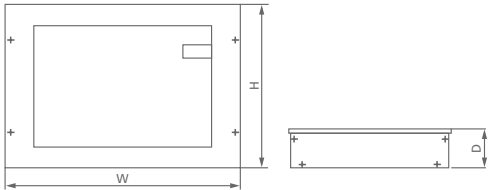
Dimension

250AMPS TP&N DISTRIBUTION BOARD



Part No	Description	W (mm)	W1 (mm)	H (mm)	H1 (mm)	D (mm)	Box Qty
TPN04-250	4 Ways with 3pole 250A Main Switch Incomer	456	321	506	109	120	1
TPN06-250	6 Ways with 3pole 250A Main Switch Incomer	456	321	560	463	120	1
TPN08-250	8 Ways with 3 Pole 250A Main Switch Incomer	456	321	614	517	120	1
TPN10-250	10 Ways with 3pole 250A Main Switch Incomer	456	321	668	571	120	1
TPN12-250	12 Ways with 3 Pole 250A Main Switch Incomer	456	321	722	625	120	1
TPN14-250	14 Ways with 3pole 250A Main Switch Incomer	456	321	776	679	120	1
TPN16-250	16 Ways with 3 Pole 250A Main Switch Incomer	456	321	830	733	120	1
TPN18-250	18 Ways with 3 Pole 250A Main Switch Incomer	456	321	884	787	120	1
TPN24-250	24 Ways with 3 Pole 250A Main Switch Incomer	456	321	1046	949	120	1

EXTENDED METAL ENCLOSURE FOR 250A TPN BOARD



Comes with SPD and cables, fitted with DIN rail, neutral and earth terminal bars.

Part No	Description	W (mm)	H (mm)	D (mm)	Box Qty
TPN-250E	16 way Extended metal enclosure for 250A TPN board	263	464	125	1
TPN-250S	16 way Metal enclosure with 4P 20-40KA SPD for 250A TPN boards	263	464	125	1



