



# LIVE

**SURGE PROTECTED**

**THREE PHASE DISTRIBUTION BOARD**

**INSTALLATION AND USAGE GUIDE**

**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 CPD protecting the board must not exceed the rating of the incoming main switch or RCD 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 a requirement 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.



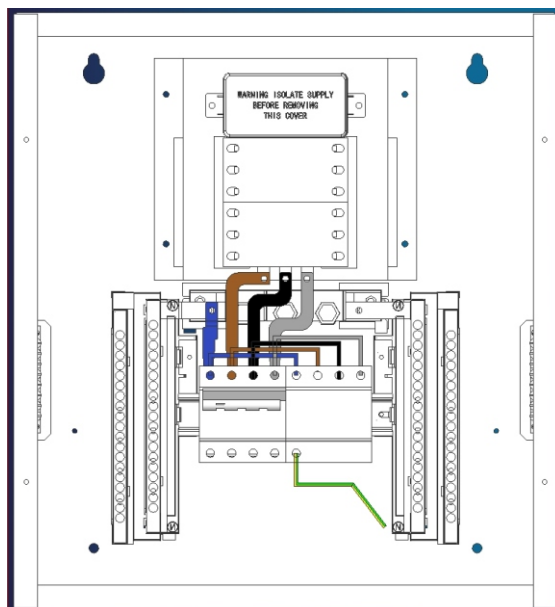
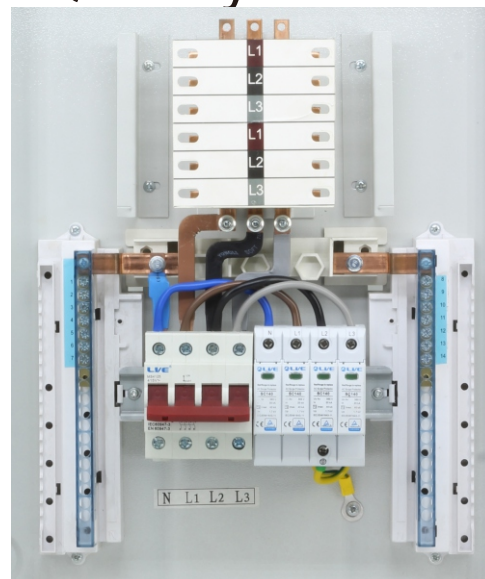
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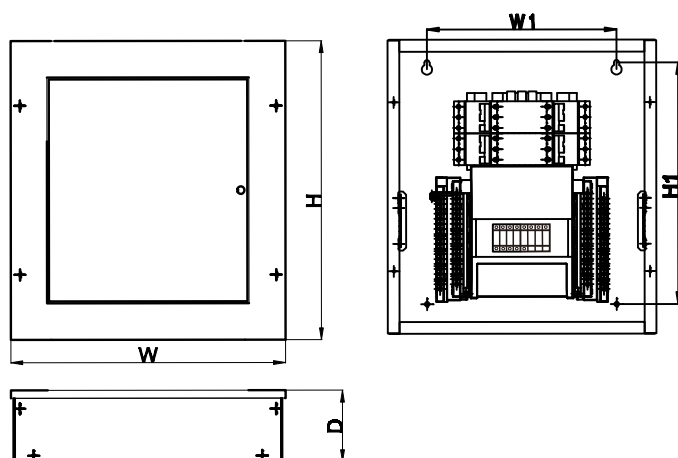
## MCB/RCBO connection

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 yellow and green 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.
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.



**125Amps TP&N Distribution Board With SPD**

Part No.	Dimensions				
	H	H1	W	W1	D
TPN04-125S	506	409	465	321	105
TPN06-125S	560	463	465	321	105
TPN08-125S	614	517	465	321	105
TPN10-125S	668	571	465	321	105
TPN12-125S	722	625	465	321	105
TPN14-125S	776	679	465	321	105
TPN16-125S	830	733	465	321	105
TPN18-125S	884	787	465	321	105
TPN24-125S	1046	949	465	321	105

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