

Panelboard

User Instructions



performa 2  
apex & apex PLUS

**Note: Only registered Electrical Contractors are to do any installation to panelboards**  
The electrical contractor is to ensure that the panelboard meets site specific requirements. Final installation is to meet all rules as described in AS/NZS 3000:2007.

**Switchboard Mounting**

The electrical contractor must ensure that the support structure or wall is adequate to support the weight of the panelboard. All cables entering or exiting the switchboard are to be via a gland or sealed as required. All panelboards have lockable doors suitable for restricted areas as per AS/NZS 3439.3:2002.

**Switchgear mounting in Panelboard**  
The electrical contractor is to ascertain that all installed devices are suitable to meet the appropriate fault current ratings required.

The chassis on this panel board is suitable for Hager 10kA type of MCBs and RCBOs and was designed to suit only Hager MCBs. Hager's recommends fitting only Hager approved switchgear otherwise this may void warranty. If the fault level at the switchboard is greater than the MCB fault rating, they must be backed up by current limiting fuses or current limiting circuit breakers. For backup protection levels refer to Hager. Devices are to be mounted with the DIN clip toward the centre of the enclosure.

Transportation may cause terminations, mechanical supports and other connections to become loose. The electrical contractor is to ensure all these connections are tightened prior to any energisation.

**Final overview prior to Energisation**

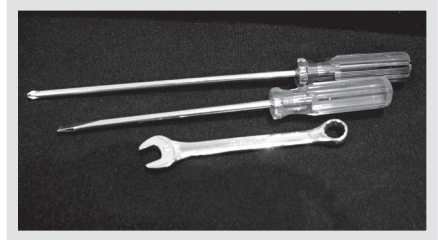
Review alignment of all devices and ensure there has been no damage during final terminations. The panelboard is to be cleaned and vacuumed from filings and other foreign objects after final terminations are completed.

Board mounting



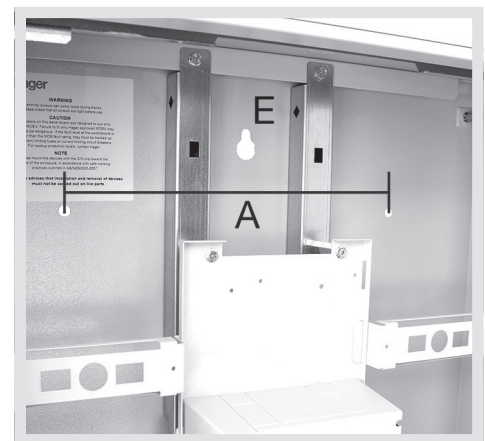
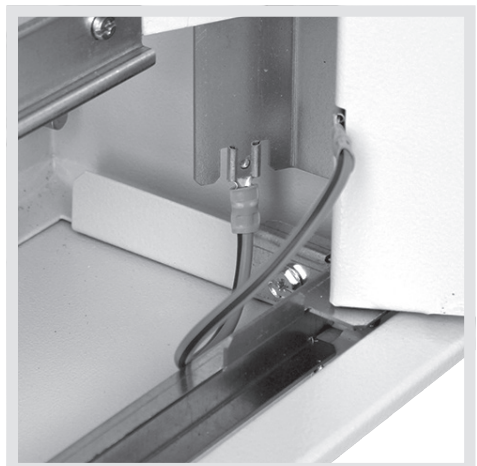
Dimensions	A	B	C	D
apex 24 pole	350	500	560	820
apex 36 pole	350	700	560	1020
apex 48 pole	350	900	560	1020
apex 60 pole	350	900	560	1220
apex 72 pole	350	1100	560	1220
apex 96 pole	350	1300	560	1420
apex + 24 pole	350	700	560	1020
apex + 36 pole	350	900	560	1220
apex + 48 pole	350	900	560	1220
apex + 60 pole	350	1100	560	1420
apex + 72 pole	350	1100	560	1420
apex + 96 pole	350	1300	560	1620
apex extension	350	150	560	420

Tools needed



- #2 Phillips head screwdriver
- Flat Blade screwdriver
- 8mm & 13mm spanner

Earth wire fitted



E = Central keyhole fixing point

Earth and Neutral links

Neutral bars	Integrated neutral bars
Neutral bar size (mm)	12x9
Split neutral	As standard
Earth bars	Earth bars both sides
Earth bar size (mm)	12x9
Earth and neutral bar tunnels	Single screw tunnel Ø7mm (up to 25mm <sup>2</sup> cable) solid and stranded conductors <sup>1</sup>
Earth and neutral bar connection	Single stud (M6 = 2.5Nm)
Earth and neutral bar rating	250A

<sup>1</sup> Copper strands must be firmly twisted together using a tool i.e. pliers.

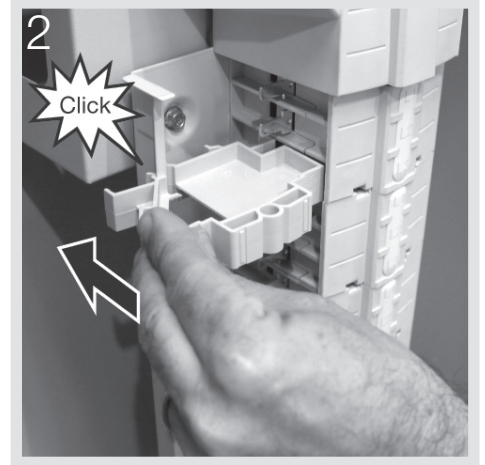
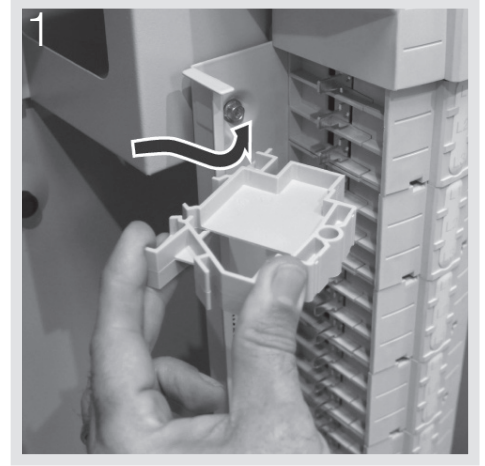
### Door removal



### Escutcheon removal



### Mounting a safety pole filler



Note: for door reversal, the apex lock position is universal.