

Safety Note

“This unit should be installed by a qualified competent person in accordance with all relevant legislation and regulations including building regulations and wiring regulations BS7671. If in doubt contact a qualified competent person”

Turn off all power supplying equipment that this kit is to be fitted to/within before commencing work on or inside the distribution board.

Test with appropriately rated test equipment to ensure power is off.

Replace all devices, blanks, doors, neutral shroud and covers before turning the power on.

To avoid swarf and other foreign objects entering the enclosure always remove gland plates to cut cable / trunking entries.

Important – the terminal screws of all devices should be fully opened before fitting.

This kit is designed to vertically connect any combination of **two** of the below Loadstar 125A distribution boards.

18LS04MR, 18LS06MR, 18LS08MR, 18LS12MR, 18LS16MR, 18LS20MR, 18LS24MR.
DO NOT USE INCOMER 125BSW/3 & 125BSW/4 IN THE TOP DISTRIBUTION BOARD

INSTALLATION

- **Turn off all power supplying equipment involved in this installation.**
- Remove covers from distribution boards. Remove gland plate from bottom of upper distribution board and from top of lower distribution board.
- Both distribution boards should be fixed to the installation surface so as they are aligned and in contact vertically – see Fig. 1.0.
- Connect distribution boards together in 4 places using the 4 bolts, 8 contact washers, 4 nuts and anti-gap joining shield provided – see Fig. 1.1 and 1.2.

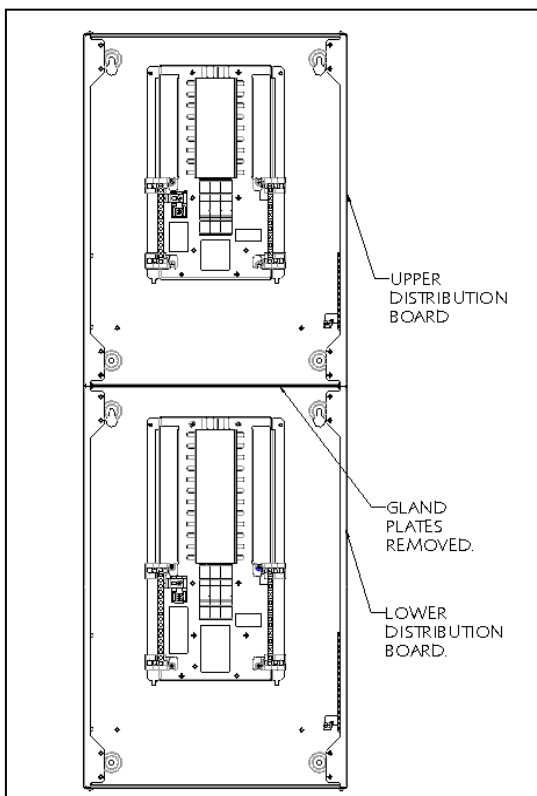


Fig.1.0

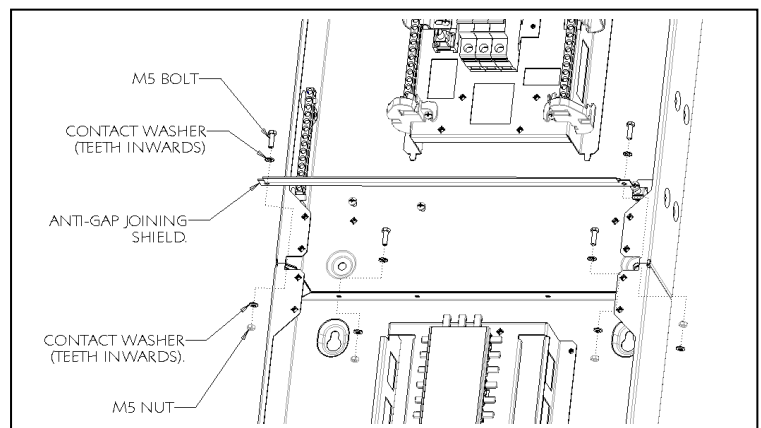


Fig.1.1

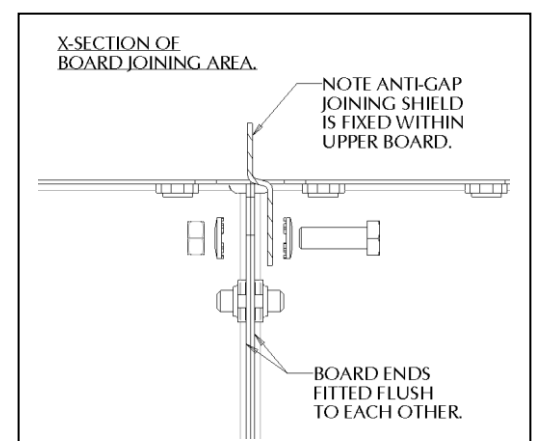


Fig.1.2

- Connect phase cables to busbar of lower board using the terminal cages supplied, note – cable ends to fit underneath busbar ends. Connect other end of phase cables to incomer of upper board (Trim length and re-ferrule cable if required). Take the unfolded riveted shroud supplied and fold up where the perforations are as shown in Fig 1.3. Fit shroud supplied ensuring phases are separated by phase barriers. – see Fig.2.0.

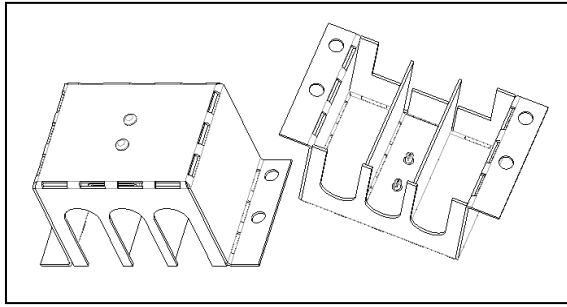


Fig.1.3

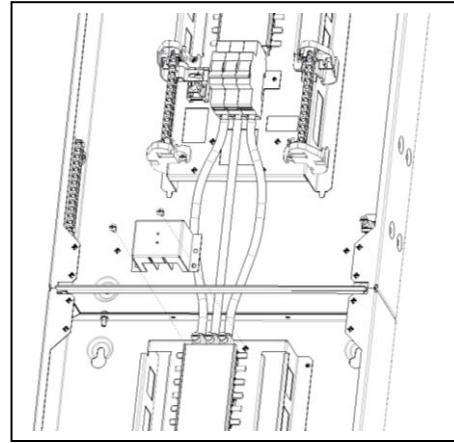


Fig.2.0

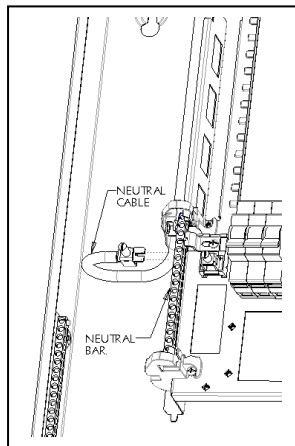


Fig.2.1 - Lower board.

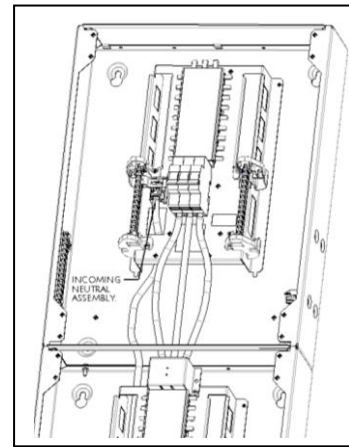


Fig.2.2 – Upper board.

- Connect neutral cable to neutral bar of lower board using pronged connection supplied, see Fig 2.1. Connect other end of neutral cable to incoming assembly of upper board as per distribution board instruction leaflet, (Trim length and re-ferrule if required). See Fig. 2.2.
- Before fitting the front cover, check the tightness of **all** connections, including factory made connections. See torque table below and refer to distribution board instructions.

NOTE - DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS

- Fit front cover.
- **NOTE – UPPER DISTRIBUTION BOARD IS LIMITED TO 100A. FIX DE-RATING LABEL SUPPLIED IN PROMINENT POSITION ON UPPER BOARD COVER.**

RECOMMENDED TIGHTENING TORQUES.		
Device	Max. Cable Capacity	Recommended Tightening Torque (Nm)
Main Switch 125A.	50mm ²	2.3
Lower board busbar terminal cages.	50mm ²	3.5
Earth & Neutral Terminals.	25mm ²	2.3
Main incoming neutral terminal cage.	50mm ²	3.5