



INSTALLATION INSTRUCTIONS

NH TP & N Distribution Boards 125A

DISTRIBUTION BOARDS :- NHTN4, 6, 8, 12, 16, 20 & 24

PAN ASSEMBLIES :- NHPB4, 6, 8, 12, 16, 20 & 24

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 this equipment 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 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.

Installation of Incoming Devices

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

DIN Mounted 3 Pole Switch Disconnecter & Direct Connection

Ensure supply is switched off.

Push the incomer up to the base of the busbar moulding.

Make sure that the DIN clips locate on the half DIN rail on the base plate.

Press and hold the incomer in place while tightening the connections to the busbar stubs.

Connections should be tightened to a torque of 2.3Nm (20lbf-in).

DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS

DIN Mounted 4 Pole Switch Disconnecter or RCD

Ensure supply is switched off.

Fix the DIN rail to the lower position using the fixing screws provided.

Fix the Switch or RCD on to the DIN rail.

Remove neutral link and box lug terminal from terminal bar and pan assembly.

Use the 4 pole mounting kit (NH4PINKIT) to make connections from the Switch or RCD to the busbar and neutral bar.

Connections should be tightened to a torque of 2.3Nm (20lbf-in)

DO NOT USE POWER TOOL SCREWDRIVER ON ELECTRICAL CONNECTIONS

Installation of MCBs

Ensure supply is switched off.

Only Wylex MCB's can be used in Wylex Distribution Boards e.g. NSB-B, NSB-C, NSB-D, PSB-B, PSB-C, PSB-D MCB's. **DO NOT USE MCB'S THAT DO NOT HAVE PHASE BARRIERS.**

Ensure that the MCB phase barriers are intact and are not damaged or removed i.e.

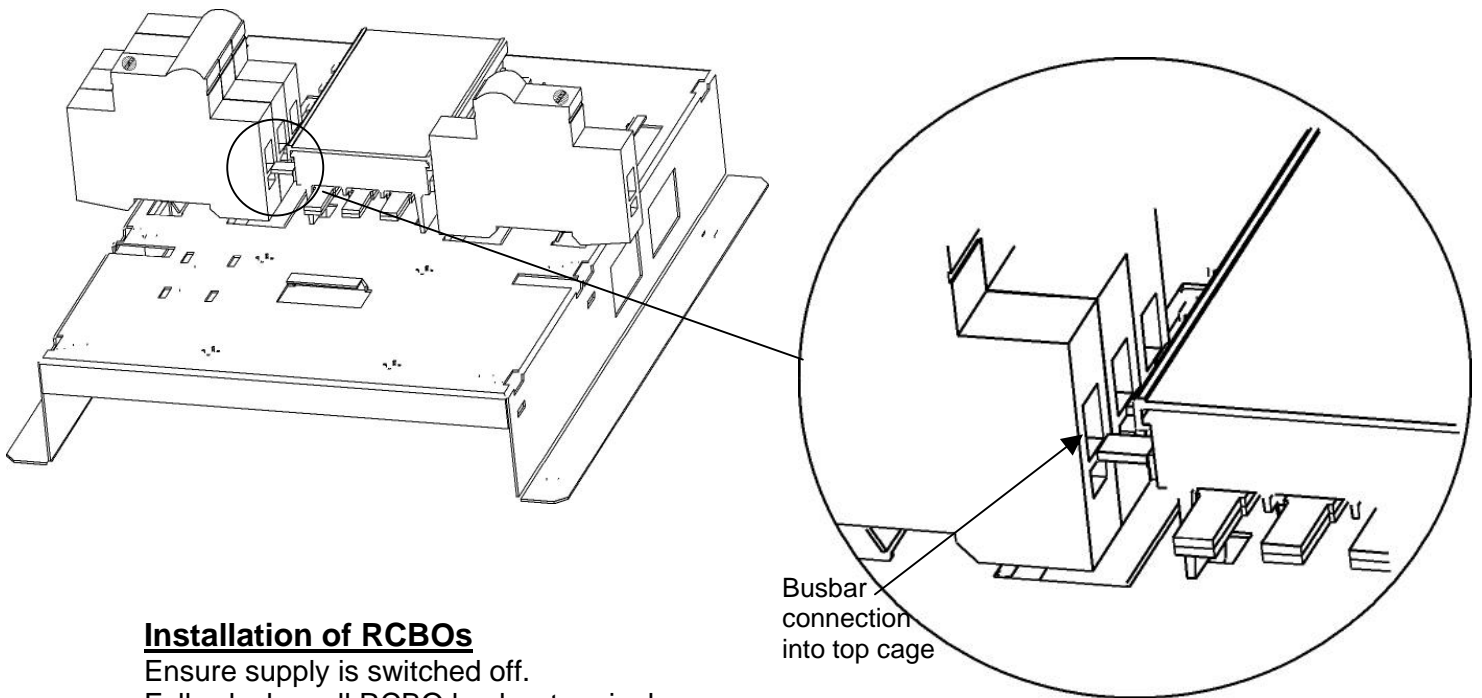
Terminal screws are fully shielded between phases.

Fully slacken all MCB terminal screws.

Push MCB onto appropriate busbar outgoing way – In 3 phase boards make sure that the DIN clip **faces towards the busbar assembly in the centre of the board**

Fully tighten busbar connections to 1.7Nm (15lbf-in)

DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS



Installation of RCBOs

Ensure supply is switched off.

Fully slacken all RCBO busbar terminal screws.

Push RCBO onto appropriate busbar outgoing way making sure that the DIN clip faces towards the busbar assembly.

Fully tighten busbar connections to 1.7Nm (15lbf-in)

Connect RCBO Neutral lead to appropriate numbered terminal on the neutral terminal bar.

Ensure both live and neutral outgoing cables are terminated on the RCBO outgoing terminals.

Connect white functional earth lead to appropriate terminal on earth terminal bar.

DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS

Device	Max. Cable Capacity	Recommended Tightening Torque
Main Switch/ RCD	50mm ²	2.3Nm (20lbf-in)
MCB	16mm ²	1.7Nm (15lbf-in)
RCBO	16mm ²	1.7Nm (15lbf-in)
Earth & Neutral Terminals	16mm ²	2.3Nm (20lbf-in)
Earth & Neutral main termination point	120mm ²	10Nm (88.5lbf-in)
Removable Neutral link for isolation / test purpose	N/A	2.0Nm (18lbf-in)

Note

Before fitting the front cover, check the tightness of **all** connections, including factory made connections.

Fitting the Front Cover

Remove the appropriate rectangular knockout from the front cover.

3 pole switch - remove small knockout (54mm wide)

4 pole switch & RCD remove larger knockout (72mm wide)

Fit blanks to all unused ways.

