Installation instructions,
Flexible Split Load Units
Consumer Units 230/240V a.c. BSEN60439-3

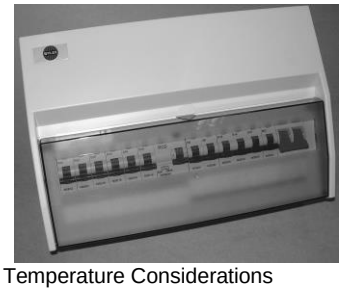
IMPORTANT INFORMATION

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 working on or inside the equipment.**
- **Always use a properly rated volt-sensing device to confirm the power is off.**
- **Replace all devices, doors and covers before turning on the power to this equipment.**
- **To avoid ingress of swarf and similar material, always remove gland plates to allow cutting/slotting for cable entries.**

Failure to follow these instructions could result in serious injury or death.

DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS



Ambient Temperature Considerations
The NH Range of MCB's are calibrated to meet the 30°C Ref Calibration Temperature requirements of BSEN 60898-1. At other temperatures the following rating factors should be used:-

At 60°C use 0.9	At 20°C use 1.0	At 0°C use 1.1

Adjacent thermal-magnetic MCBs should not be continuously loaded or approaching their nominal rated currents when mounted in enclosures. It is good engineering practice to apply generous derating factors or make provision for adequate free air between devices. In these situations, and in common with other manufacturers, we recommend a 60% diversity factor is applied to the MCB nominal rated current where it is intended to load the MCB's continuously (in excess of 1 hour).

Introduction
Each flexible unit is designed to cover a range of split load configurations simply by sliding the RCD into the appropriate position on the DIN rail.

Fix unit to Wall
Remove the front cover by unscrewing the two screws under the visor. Fasten the base of the enclosure to a flat wall or rigid surface.

Fit Circuit Breakers / RCBO's
Only NHX range MCBs, NHXSBS/WRCBL range RCBOs and NSC range fuses must be used within Wylex NH range flexible consumer units. Fasten all circuit breakers directly onto the din rail.

Cut busbar
Each unit is supplied with 2 or 3 busbars, which should be cut to suit the required number of outgoing ways on the isolator and the RCDs. Unused ways should be insulated using the yellow busbar insulation supplied with the unit.

Install busbars
Undo the bottom terminal screws on all MCB's / RCBO's, and the live terminal of the isolator and/or RCD. Insert the busbars into the terminal cages. The right hand side pin of one busbar is to be inserted in the main switch to MCB's & the right hand side pin of the other busbars from RCD to MCB's. Ensure the busbars are fully inserted above any cable links and then tighten all terminal screws adequately (see diagram). For Dual RCD units, both busbars connect to their appropriate RCD.

Check the tightness of all screw connections, including factory made connections (see table).

Device	Max. Cable Capacity	Recommended tightening torque
Main Switch / RCD	50 mm^2	2.3 Nm
MCB	25 mm^2	2.3 Nm
RCBO	Outgoing connection – 16 mm^2	2.5 Nm
Earth & neutral terminals	16 mm^2	1.7 Nm

Use No.2 Pozidrive bit.

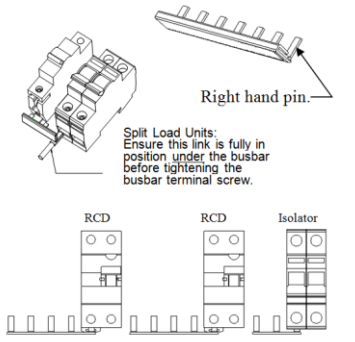


Illustration of a typical busbar fitting arrangement for a High Integrity unit

Circuit identification for split load units
Cut the circuit identification labels to suit the number outgoing ways on both of the isolating devices and apply the labels to the front surface of the front cover.

Blanking unused ways
Cover blanks NH00 or cover & busbar blanks NHB1PP should be used to cover any unused modular ways

Testing and commissioning
Before the consumer unit and the installation of which it forms a part are commissioned they must be tested, in accordance with the requirements of the current edition of Requirements for Electrical Installations (BS 7671) published jointly by the British Standards Institute and the Institution of Electrical Engineers. Circuit identification for split load units Cut the circuit identification labels to suit the number outgoing ways on both of the isolating devices and apply the labels to the front surface of the front cover.

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Waste electrical products should not be disposed of with household waste.
Please recycle where waste disposal facilities exist.
Check with your retailer, wholesaler or local authority for recycling advice.