



Installation instructions, 2 Way Enclosures Insulated



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



INSULATED

Adjacent thermal magnetic MCBs should not be loaded continuously at or near their nominal rated currents when mounted in the enclosure. We recommend an 80% diversity factor is applied to the MCB nominal rated current where it is intended to load the MCBs continuously (in excess of 1 hour).

1. Enclosure Mounting

Use a knife to remove the back cut-out if required for rear cable entry on the insulated unit. Note alternative fixing holes.

2. Fit required MCBs

To complete this installation you will need

- NHX range MCB's
- NSC range Fuses.

NOTE – NHX range MCB's and NSC range fuses must be used within the Wylex 2 way enclosure.

The total current supplied by the unit must not exceed the rating of the incoming main switch or RCD. (63A max)

The total sum of the individual MCB ratings may exceed this value where there is appropriate diversity on the installation

This product is suitable for indoor use only and is rated at IP20C.

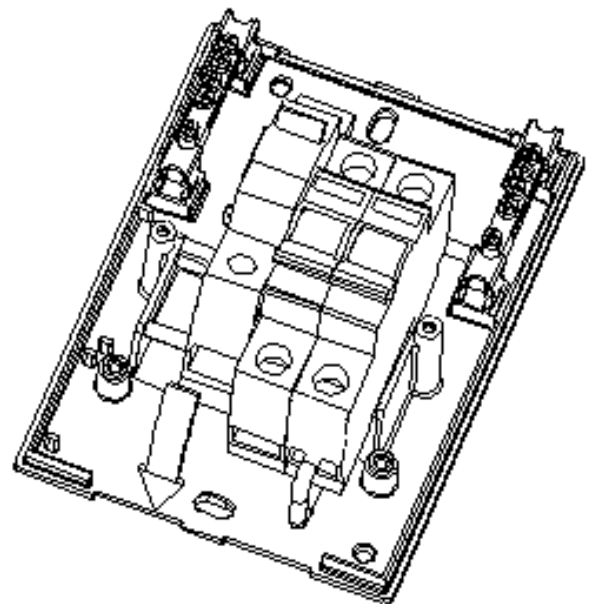
The consumer unit and associated components have been type tested to the following specifications:

Consumer Unit	BSEN61439-3
MCB's	BSEN 60898- TYP B & C
RCD's	BSEN 61008-1
RCBO's	IEC 61009-1
Main Switch	BSEN 60947-3
Fuses	BS1361 or BS88

Ambient Temperature Considerations

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

At 60°C 0.9	At 20°C 1.0	At 0°C 1.1
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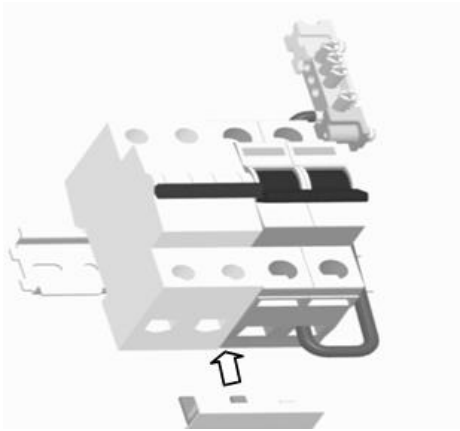
Waste electrical products should not be disposed of with household waste. Please recycle where waste disposal facilities exist. Check with your retailer, wholesaler or local authority for recycling advice.



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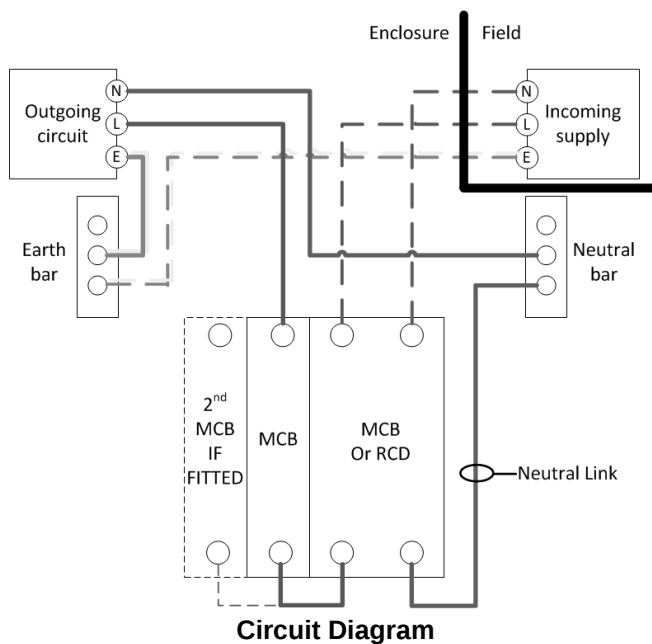


3. Assemble busbar



4. Route all incoming and outgoing cables

Cut-outs are provided inside the cover of the insulated unit for cable entry.



5. Control Devices

Control devices such as timers and contactors can be fitted. The incoming supply for the device must be fed from a suitable MCB and no attempt should be made to connect the device to the busbar. The busbar must be shortened accordingly.

6. Torque Setting

Check the tightness of all screw connections, including factory made connections. (See table for recommendations)

Device	Max. Cable Capacity	Recommended tightening torque
Main Switch / RCD	50mm ²	2.3Nm
MCB	25mm ²	2.3Nm
Standard RCBO	Outgoing connection - 16mm ²	2.0Nm
	Busbar connection	2.5Nm
Miniature RCBO	Outgoing connection - 16mm ²	2.0Nm
	Busbar connection	2.5Nm
Fuses	25mm ²	
Earth & neutral terminals	16mm ²	1.7Nm

Use No.2 Pozidrive bit

7. Fit cover

Note that aperture on the insulated unit can be enlarged to allow for 2 outgoing ways by removing cut-out.

8. Circuit Identification

The consumer unit way label is supplied with the consumer unit. This should be fitted above the circuit devices on the front cover. Pre-printed labels are provided to identify the outgoing circuits.

9. Testing of the installation

After completion it is essential that the installation is tested in accordance with the IEE Wiring Regulations (BS7671). It is important that the following are included in the above

- Operation of the test button on any RCD fitted.
- Verification that the earth loop impedance requirements are satisfied

