

## GUARANTEE

Terms and Conditions for UK & ROI (outside UK & ROI contact your local distributor)

We, Applied Energy Products Limited will, subject to installation by an approved installer, provide a guarantee against faulty parts or manufacture for the period of 5 years from the date of purchase. In the event of a product breakdown during the guarantee period, you should contact Applied Energy Products Ltd on the Technical line number below providing that:-

- a) The appliance has been installed in a residential environment.
- b) The appliance has been correctly installed in accordance with our instructions and is being used on the supply circuit or voltage printed on the rating plate.
- c) The appliance has been used in accordance with these instructions and has not been tampered with or otherwise subject to misuse, neglect or accident.
- d) The appliance has been regularly maintained in accordance with these instructions and the airway is unobstructed.
- e) The appliance has not been taken apart, modified or repaired except by a person authorised by us.
- f) Evidence of the date of purchase in the form of an invoice or receipt will be required in order to qualify under the terms of this guarantee.
- g) For the service work to be undertaken free of charge, the work must only be undertaken by Applied Energy Products Limited, or our approved agents.
- h) Service under guarantee has no effect on the expiry date. The guarantee on any exchanged parts or product ends when the original guarantee period ends.
- i) In the event of a product being returned to Applied Energy Products Limited and not found to be faulty, the product would be available for collection from the relevant premises within one month and if not collected it would be disposed of or delivered by Applied Energy Products Limited and a delivery charge made.

### EXCLUSIONS

This guarantee **DOES NOT** cover damage or defects arising from poor or incorrect installation, improper use or lack of maintenance. It is the responsibility of the installer to check that the installation parameters meet the requirements of the product, and any relevant regulations.

If we are called out to investigate a fault, which is subsequently identified as being an installation fault, we will make a charge. It is important that the routine checks are completed before calling us out, as many issues can be simply diagnosed and resolved.

We make no guarantees as to response times for repairs. We will endeavour to achieve the most timely response possible but while we indicate an average response time, this should not be taken as a guarantee. The guarantee applies to a repair or replacement (at our discretion) of the product subject to the conditions above, and **DOES NOT** cover compensation for the loss of the product or consequential loss of any kind.

This guarantee covers products supplied by Applied Energy Products only, and does not cover other products and components used to create a system that have not been purchased from Applied Energy Products.

The responsibility for the suitability of the complete system for the specific application remains the responsibility of the original specification engineer.

This guarantee does not affect your statutory rights.



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Xplus Ultra DC  
Continuous extract MEV unit

Xplus 250DC 8CV  
Xplus 400DC 8CV



# Xpelair Continuous extract MEV unit

## Installation and Operating Instructions

PLEASE LEAVE THIS LEAFLET WITH THE FAN,  
FOR THE BENEFIT OF THE USER

### IMPORTANT

READ ALL THESE INSTRUCTIONS & WARNINGS FULLY BEFORE COMMENCING INSTALLATION. These appliances are intended for connection to fixed wiring. Check that the electrical rating shown on the products matches the mains supply. **WARNING: THIS PRODUCT IS FOR CONNECTION TO 1 PHASE SUPPLY ONLY, DO NOT CONNECT TO 3 PHASE SUPPLY.** **WARNING: THIS APPLIANCE MUST BE EARTHED.** All installations must be supervised by a qualified electrician. Installation and wiring must conform to current IEE regulations (UK), local or appropriate regulations (other countries). It is the Installers responsibility to ensure that the appropriate building codes of practice are adhered to. If there is damage to the fitted lead this must be replaced by the manufacturer or service agent. If you have any queries before installing these products or after they are installed, call the Xpelair Technical Hotline +44 (0) 8709 000430. Our engineers are there to help during normal office hours (UK only) and may be faxed at all other times on +44 (0) 8709 000530. Customers outside the UK please contact your local Xpelair distributor, details of which are available from the UK office. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

### Description

Xplus 250DC 8CV / Xplus 400DC 8CV

- Choice of 8 extraction speeds, selectable at installation according to house size.
- Boost speed available at each extraction speed when used with an appropriate controller (not supplied).
- Extract only.
- Suitable for continuous operation.
- Three 125mm diameter inlet spigot connections and a 125mm diameter outlet.

### What the installer will need

- A means for disconnection in all poles must be incorporated in the fixed wiring in accordance with the wiring rules.
- Ducting long enough to connect from the position of the air intake positions to the air outlet via the fan.
- Ducting accessories, including internal and external grilles and fasteners.

- For flexible ducting, you will need worm drive clips (available from Xpelair) to attach the ducting to the fan inlets and outlet.
- If installing in a position where condensation is likely to run back towards the fan, you will need a suitable condensation trap.

### Where to locate it

#### Position of air intake

- As far as possible from and opposite to the main source of air replacement to ensure airflow across the room (e.g. opposite an internal doorway).
- Near the source of steam or odours.
- Not where ambient temperatures are likely to exceed 50°C, or above a cooker hob or eye level grill.
- If installing in a room containing a fuel burning device, it is the installer's responsibility to ensure that there is enough replacement air to prevent fumes being drawn down the flue when the fan is operating up to maximum extract. Refer to Building Regulations for specific requirements.
- Exhaust air must not be discharged into a flue used for exhausting fumes from appliances supplied with energy other than electric. Requirements of all authorities concerned must be observed for exhaust air discharge.
- When installed for use in possible chemical corrosive atmospheres, consult our Technical Service Department. (For overseas markets contact your local Xpelair Distributor).
- The inlet grilles should be situated at least 0.5m distance from the discharge outlet of a flued heating or cooking appliance.

#### Position of the fan

- The fan can be mounted to a suitably strong wall or roof member.

#### Position of the air outlet

- At least 0.5m away from open door or window, or the inlet of another ventilation device.

### Installing the ducting

1. Detach the appropriate inlet covers after removing the fixing screws. **Note: do not detach cover from any inlet not being used.**
2. Install the ducting to connect the fan to the air intakes and to the outlet. If the ducting is suspended, ensure that it is adequately supported.
3. Fit intake and outlet grilles as required.
4. If installing in a position where condensation is likely to run back towards the fan, install a condensation trap as near to the fan as possible.

### Mounting the fan

1. Mount the fan, using appropriate fasteners through the mounting holes provided. For fan dimensions, see Fig.A.
2. Attach the ducting over the inlets and outlet and secure it with worm drive clips.

### Connecting the fan

1. Switch off the mains electrical supply and remove fuses.
2. Wire the fan as shown in fig. B. The fan can be wired for direct operation as fig B1 or through an Xpelair XRH (fig B2), AQS (fig B3), COS switch (fig B4), DT20B (fig B5) or XPIRA (fig B6), where the controller provides the Boost function to the fan.
3. Connect the cable from the isolating switch to the electrical supply wiring. Refit fuse before turning on the electricity supply.
4. Note: For fixed wiring circuits, the protective fuse for the appliance must not exceed 5A.

### Operating the fan

1. The fan should be set to provide the performance requirements according to the dwelling size by adjusting the switch on the side of the unit. The unit must be powered off if switch adjustment needs to be made. Altering the switch position when the unit is powered will not change the speed setting. The fan has 8 speed settings:

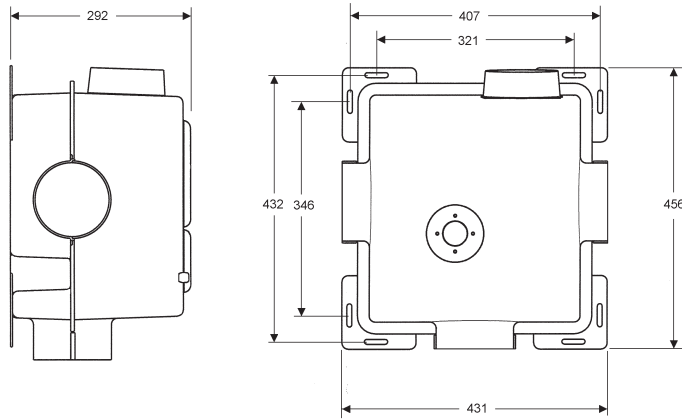
Setting	Performance (m³/h)	
	Xplus 250	Xplus 400
1	48m³/h	206m³/h
2	78m³/h	236m³/h
3	93m³/h	243m³/h
4	100m³/h	254m³/h
5	156m³/h	304m³/h
6	170m³/h	333m³/h
7	174m³/h	341m³/h
8	229m³/h	389m³/h

The fan provides constant volume performance for system pressures up to 300Pa

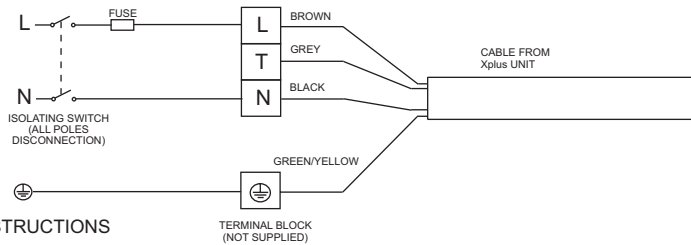
### Cleaning

1. Before cleaning isolate completely from the mains supply.
2. Wipe the inlet covers carefully with a damp cloth.
3. Dry thoroughly.
4. **Never use solvents to clean. Apart from cleaning, no other maintenance is required.**

**A**

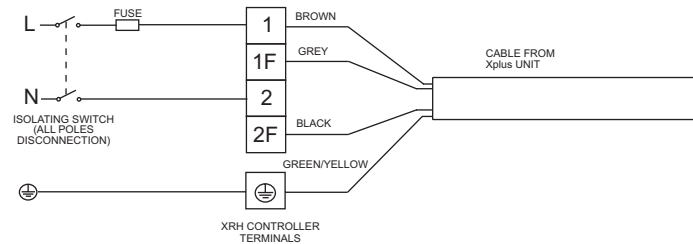


**B1**



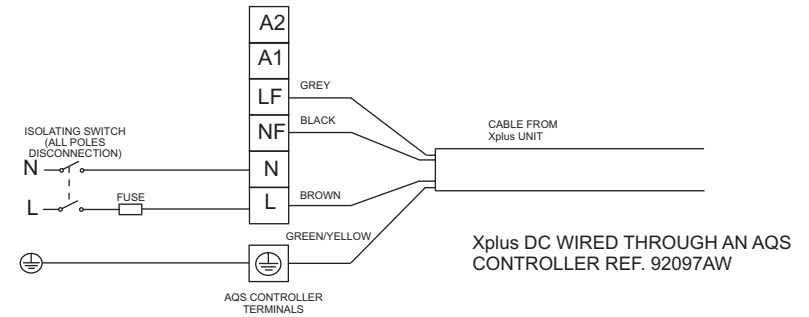
Xplus DC WIRING INSTRUCTIONS

**B2**



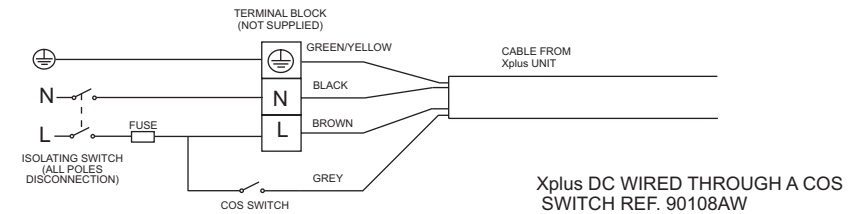
Xplus DC WIRED THROUGH AN XRH HUMIDISTAT REF.21856AW

**B3**



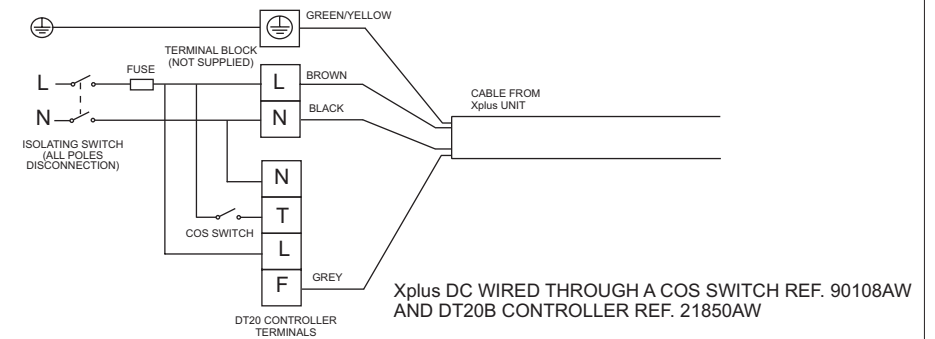
Xplus DC WIRED THROUGH AN AQS CONTROLLER REF. 92097AW

**B4**



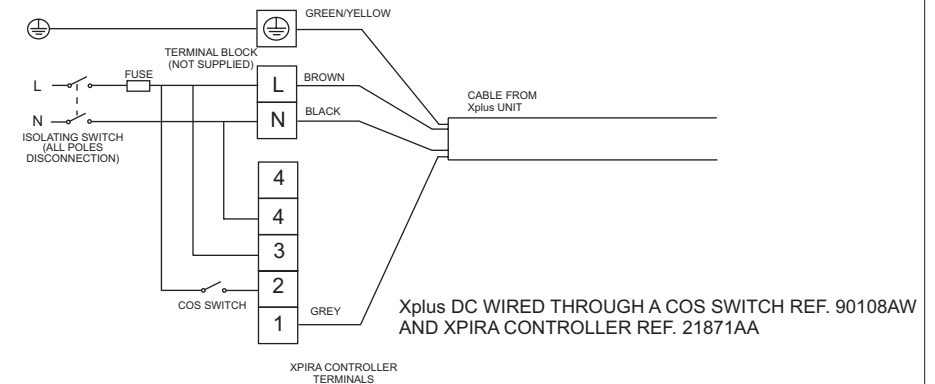
Xplus DC WIRED THROUGH A COS SWITCH REF. 90108AW

**B5**



Xplus DC WIRED THROUGH A COS SWITCH REF. 90108AW AND DT20B CONTROLLER REF. 21850AW

**B6**



Xplus DC WIRED THROUGH A COS SWITCH REF. 90108AW AND XPIRA CONTROLLER REF. 21871AA