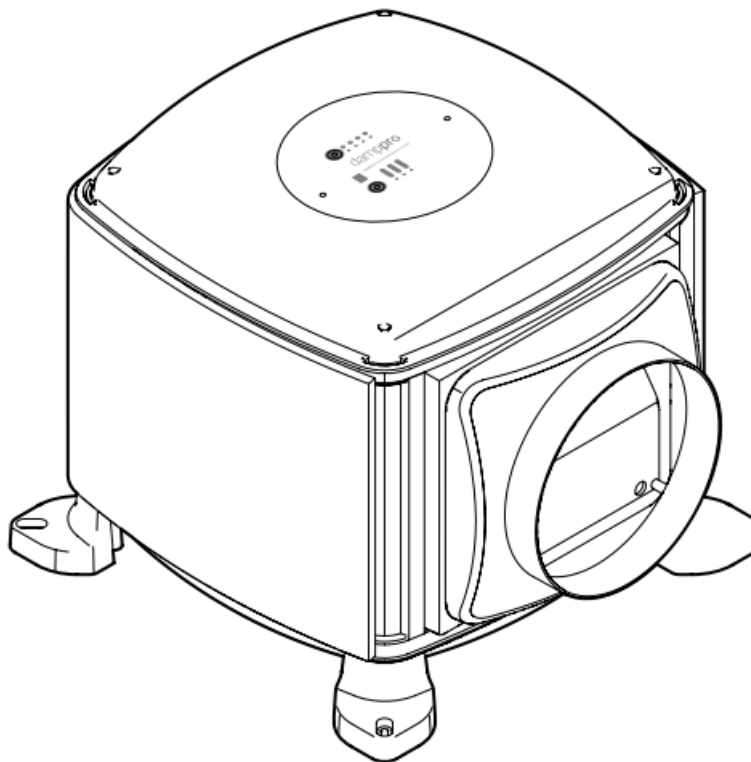




envirovent Damp Pro Ventilation Unit Installation Guide

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envirovent Damp Pro Ventilation Unit



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Safety

Read and understand these instructions before beginning installation. The unit should be installed by a competent person.

Location

Check there is space for the unit in your chosen location. The unit must not affect the operation of open-flue appliances. Consult local regulations or a qualified gas engineer. For inline units consider the external vent location in relation to open-flues from appliances e.g. boilers. You must ensure the vent is positioned a minimum of 300mm away in all directions.

The open sides of the diffuser must face a minimum 1m unobstructed path away from any smoke detectors. If the diffuser cannot be repositioned, up to two sides can be closed using the plastic blanking plates. In this configuration the open sides must face a minimum 1.5m unobstructed path away from any smoke detectors. In properties with a floor above 4.5m fire diffusers must be fitted a minimum of 1m away from the smoke detectors instead of the included plastic diffusers.

Partition walls between buildings must be complete with any breaks filled. In properties with a floor more than 4.5m above ground level the unit must be wired into a smoke alarm (see page 12 for wiring information) The appliance is considered suitable for use in countries with a warm damp equable climate, but may also be used in other countries.

Wiring Regulations

All wiring must comply with Building Regulations and the current IET Wiring Regulations (BS7671 in the UK) or equivalent standards for other countries. The final installation should be examined and tested by a qualified electrician.



This product is not suitable for use with a Type AC RCD

Electrical Connection

The unit requires a continuous electrical power supply through a residual current device (RCD) having a rated residual operating current not exceeding 30mA. Connection to the fixed wiring must be made outside the unit in a suitable location. The unit must be earthed and a double pole switch with minimum contact separation of 3.0mm must be used to provide insulation for the unit. The unit must be able to be disconnected from the mains supply after installation. When wiring the unit, the included unswitched fuse spur should be incorporated in the fixed wiring.

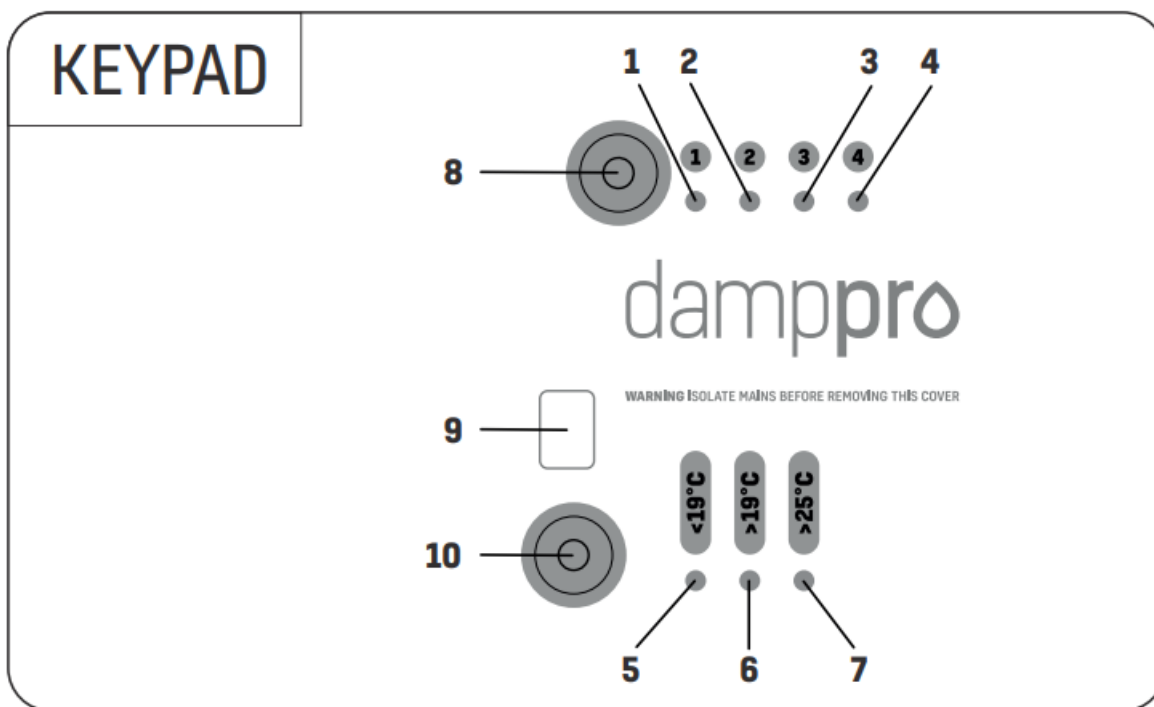
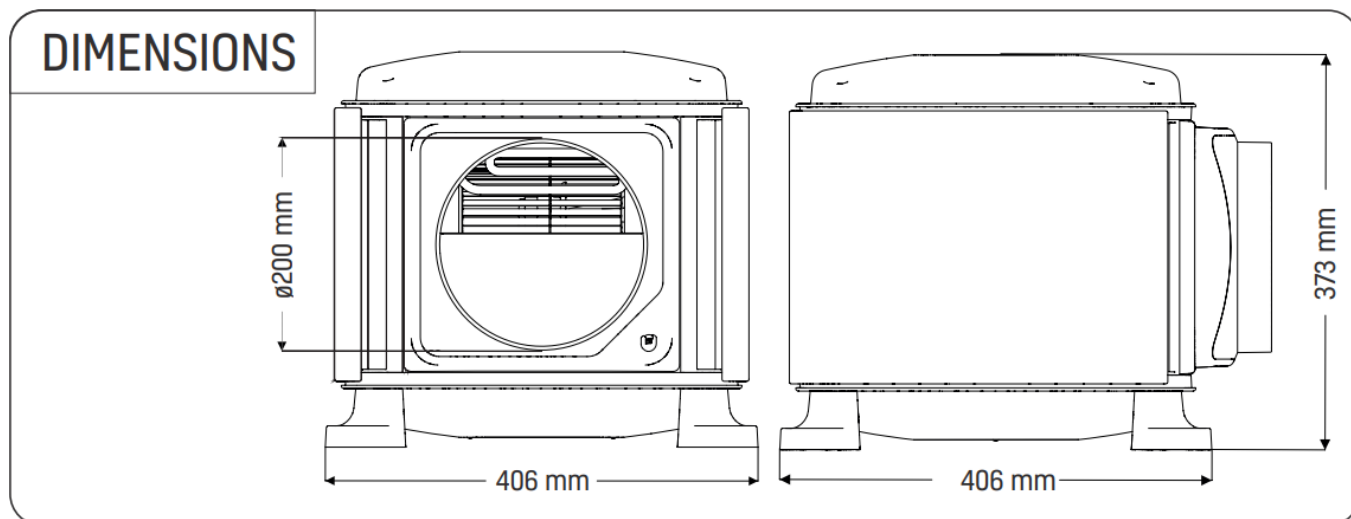
The power supply cable running into the unit must remain the supplied flexible cable (not a solid core lighting cable). If the power supply cable becomes damaged, it must be replaced by EnviroVent, an authorised service agent for your region/country, or a similarly qualified person in order to avoid a hazard. Do not remove or tamper

with any electronic components inside the product.

Users

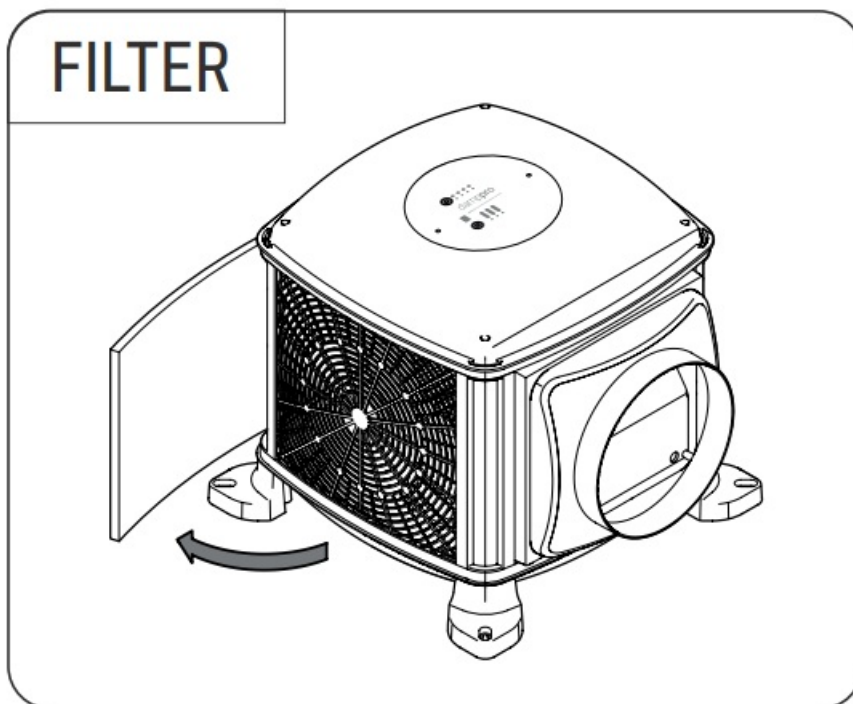
The unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision and usage instruction by a person responsible for their safety. Children should be supervised to ensure they do not play with the unit. Cleaning and user maintenance must not be performed by children.

Diagrams

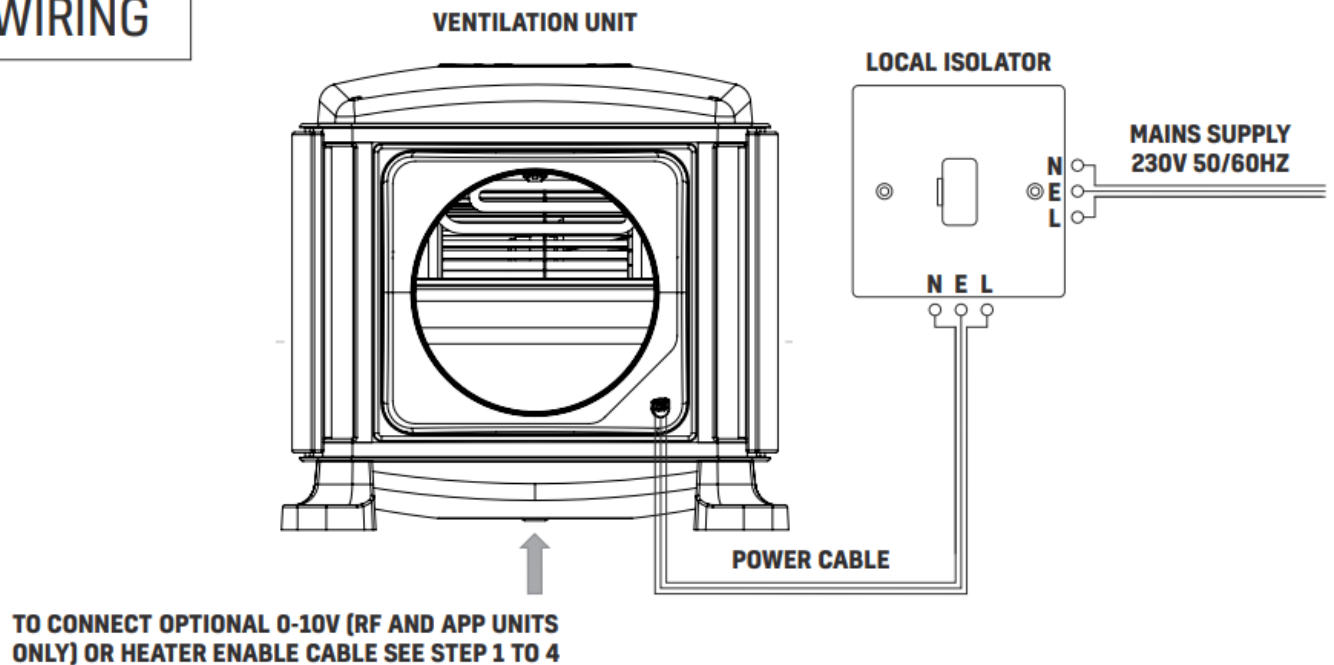


1. Airflow 1
2. Airflow 2
3. Airflow 3
4. Airflow 4
5. Temperature $<190\text{ C}$
6. Temperature $>190\text{ C}$

7. Temperature >250 C
8. Top button
9. Numeric Display
10. Bottom button

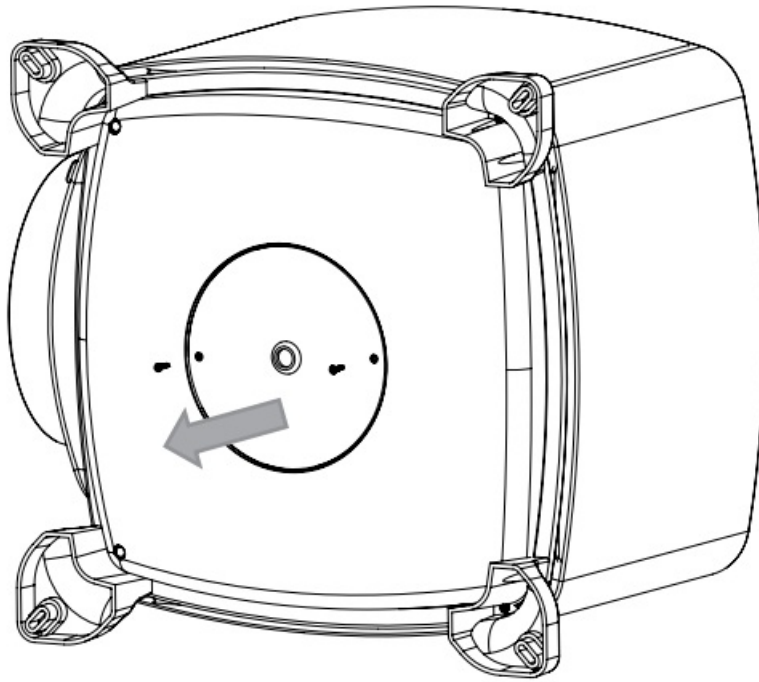


WIRING

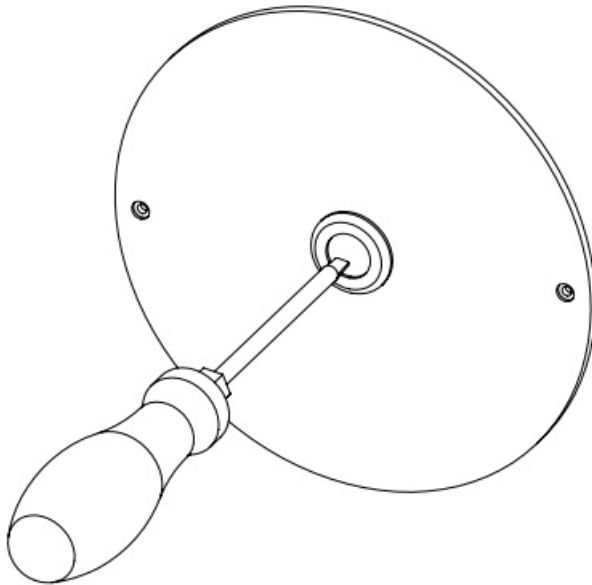


The local isolator must be connected to the mains as part of the fixed wiring. Connect the N, L and E cores of the power cable to the matching terminals on the local isolator.

1. Remove base cap (two screws)

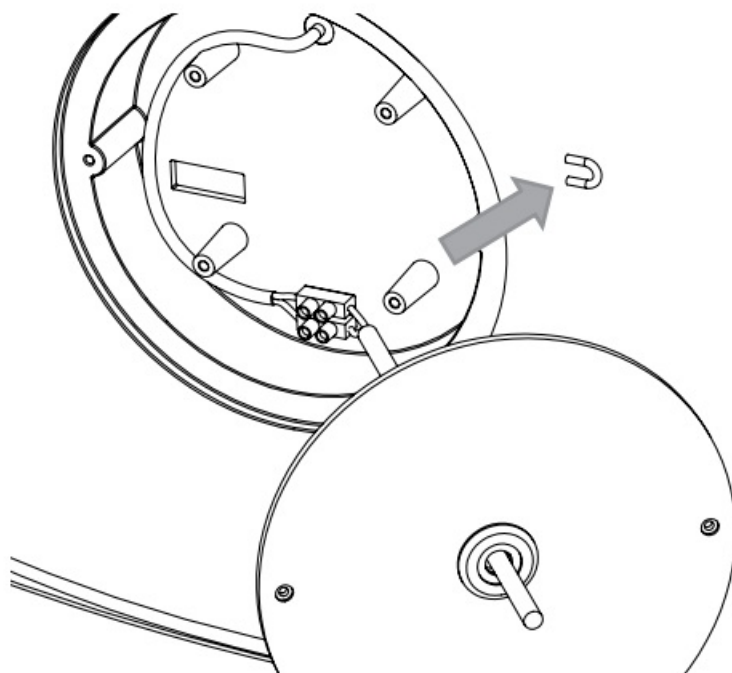


2. Make small hole in grommet Remove base cap (two screws) and thread 2 core cable through

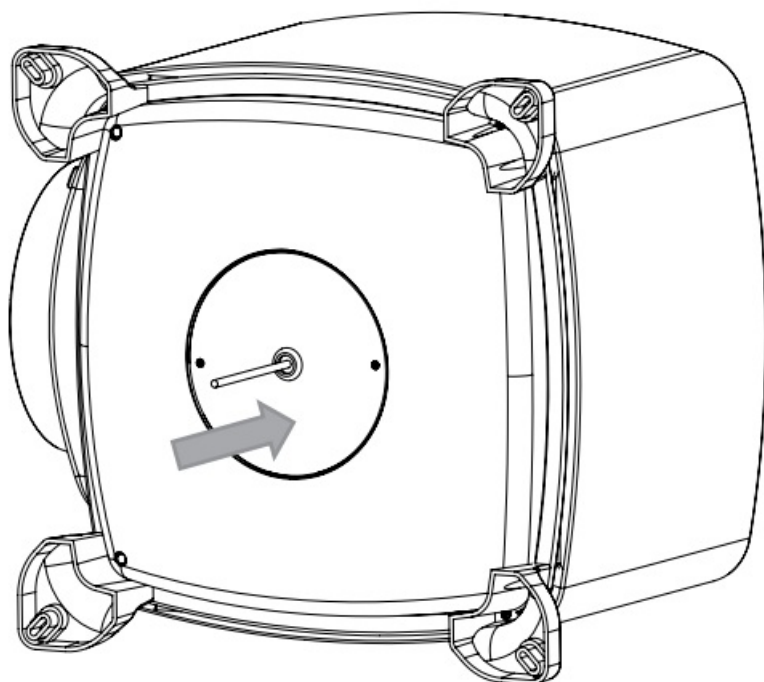


3. Remove link and wire in 2 core cable

0-10V
Red=+V
Blue=0V



4. Replace base cap (two screws)



Box contents

- 1x Ventilation unit
- 1x 200mm diffuser (+ 2x blanking plates)
- 1x Instruction guide
- 1x Diffuser mounting template
- 1x Flexible duct (1m x 200mm dia.)
- 1x Unswitched fuse spur
- 8x Foam pads
- 4x Washers
- 4x Screws 10g x 3"

- 4x Screws 10g x 1.5"
- 4x Screws 8g x 1.5"
- 4x Screws 8g x 1"
- 4x Plasterboard plugs
- 1x Roll of fixing tape

Pre – Installation Checklist

- Does the unit fit through the loft hatch?
- Check there are no obstructions in the hallway or landing where the diffuser is to be fitted and in the loft space above.
- Ensure the loft has adequate cross-flow ventilation to provide a supply of fresh air to the unit.
- Check that all partition walls are intact. Seek building advice if any are missing or broken.
- Check for flued appliances drawing air from the loft, the user should be made aware of any of these.
- Check that any flue passing through the loft is undamaged. Seek building advice if any are damaged or broken.
- Repair any ceiling gaps which allow air leakage into the loft.
- Ensure any loft water storage tanks are covered and sealed.

About the ventilation unit

The damppro loft unit is a Positive Input Ventilation (PIV) unit which creates fresh and healthy living environments by supplying filtered air into a property at a continuous rate through a ceiling mounted diffuser.

The diffuser is normally installed in a hallway or landing area.

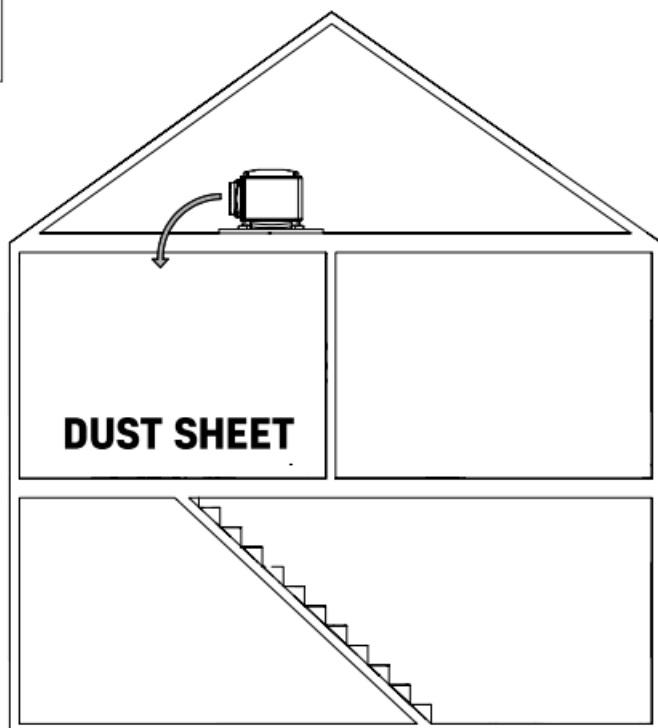
The units have been developed to improve indoor air quality and resolve condensation and mould problems. They are designed to operate continuously for 5 years with no requirement for maintenance other than general cleaning the filter must be replaced after 5 years usage.

In conditions between 19°C – 25°C the units will increase air flow rate by 10%. In hot conditions above 25°C the units will temporarily switch off to avoid bringing hot air into the property from the loft space.

Installation

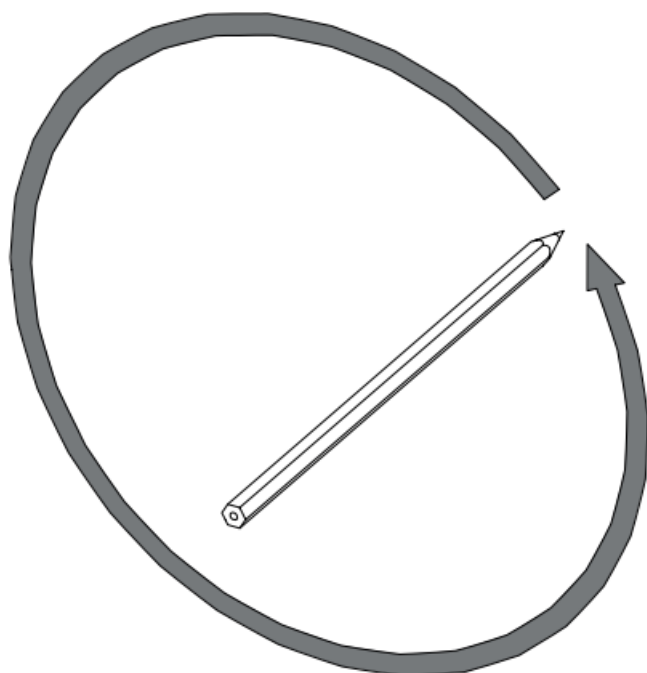
1. Place a dust sheet below the required ceiling diffuser position and check the ceiling below and loft space above are unobstructed.

1



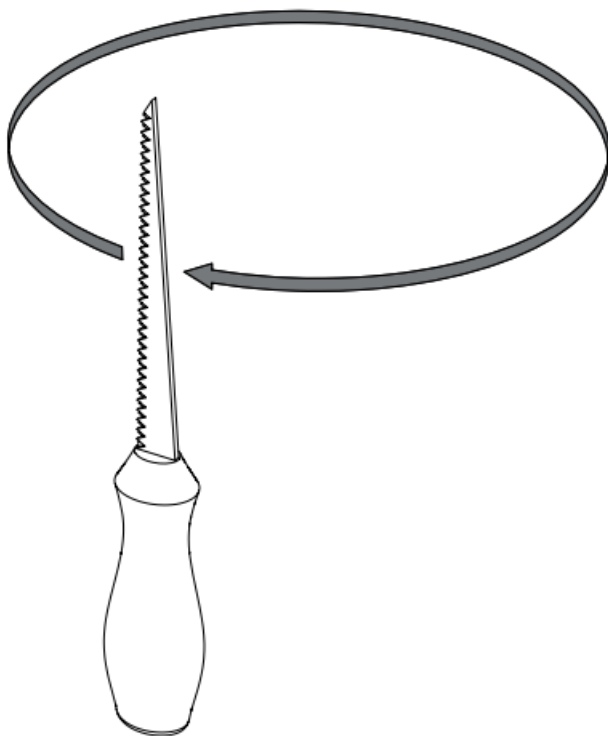
2. Mark a 222mm diffuser hole using the template.

2



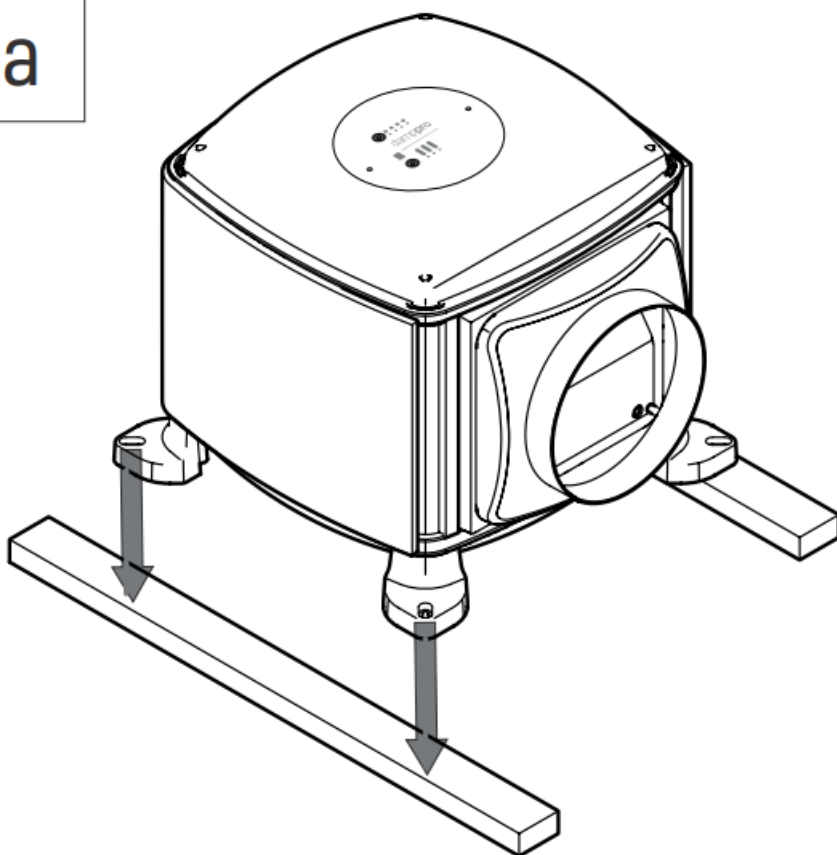
3. Wearing a dust mask and eye protection, cut out the hole

3

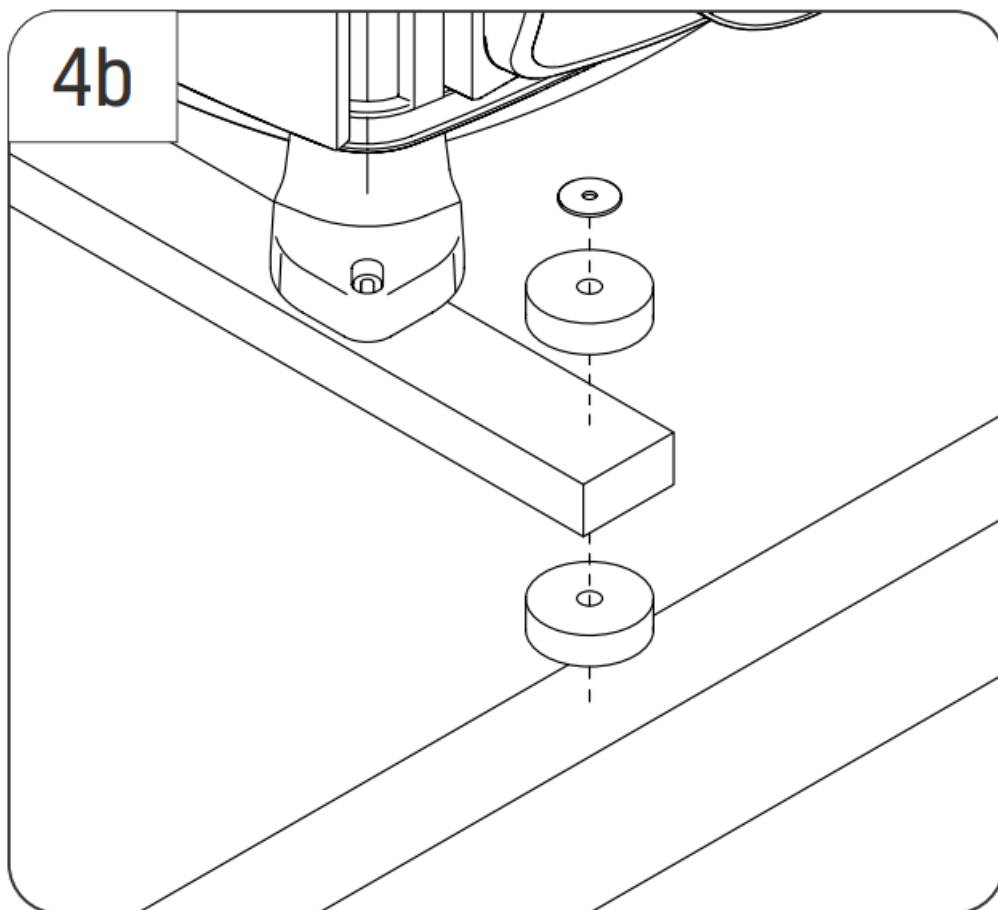


4. a) Screw the feet of the unit onto two 25mm x 50mm wood battens using the four 10g x 1.5" screws. (Battens not supplied).

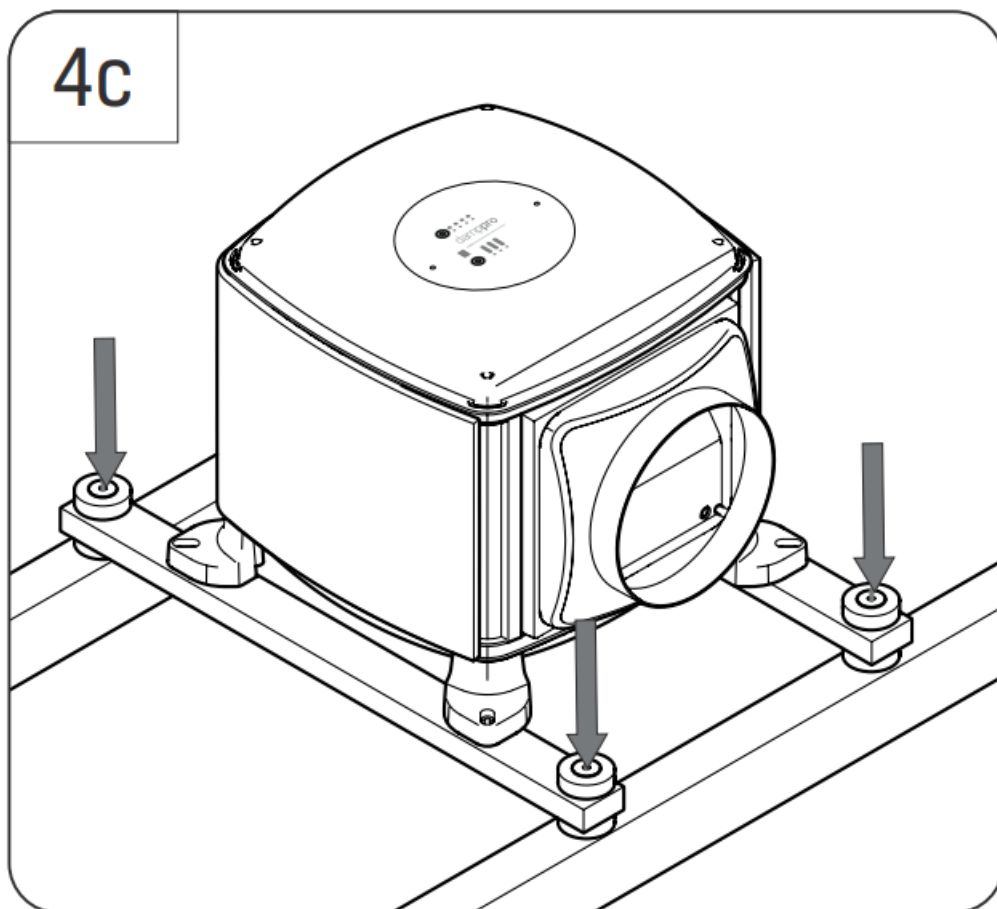
4a



4. b) Position the unit with anti-vibration pads and washers onto the loft ceiling joists as in the diagram.

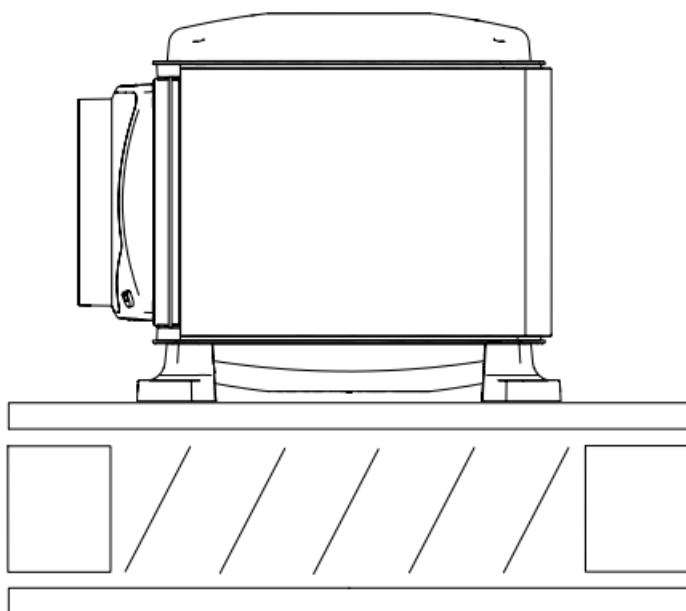


4. c) Screw the unit to the ceiling joists using the four 10g x 3" screws.



4.d) If the loft insulation sits above the joists and impedes the unit, create a raised wooden platform to mount onto.

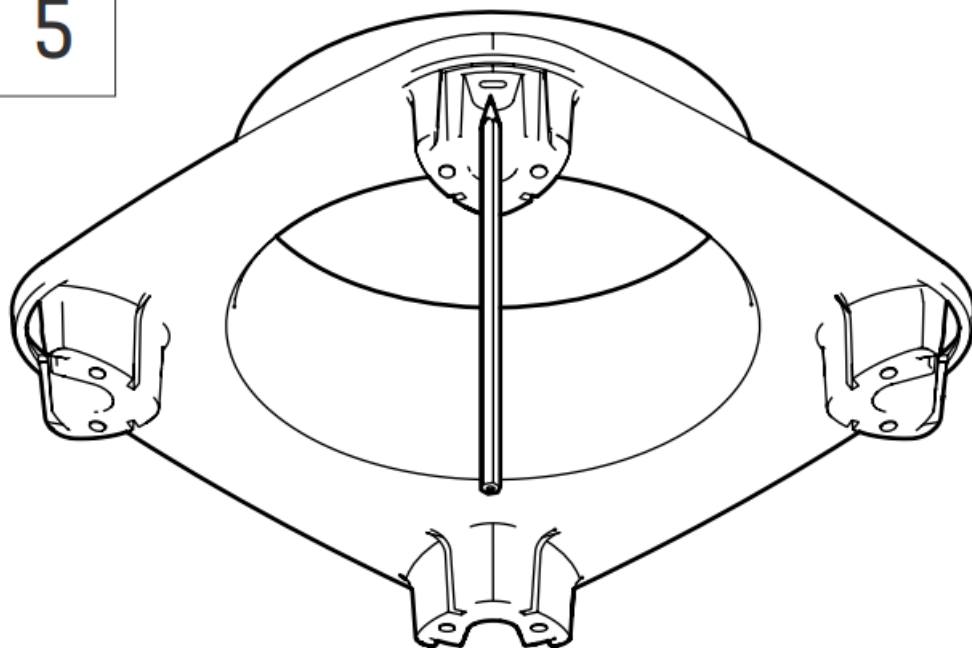
4d



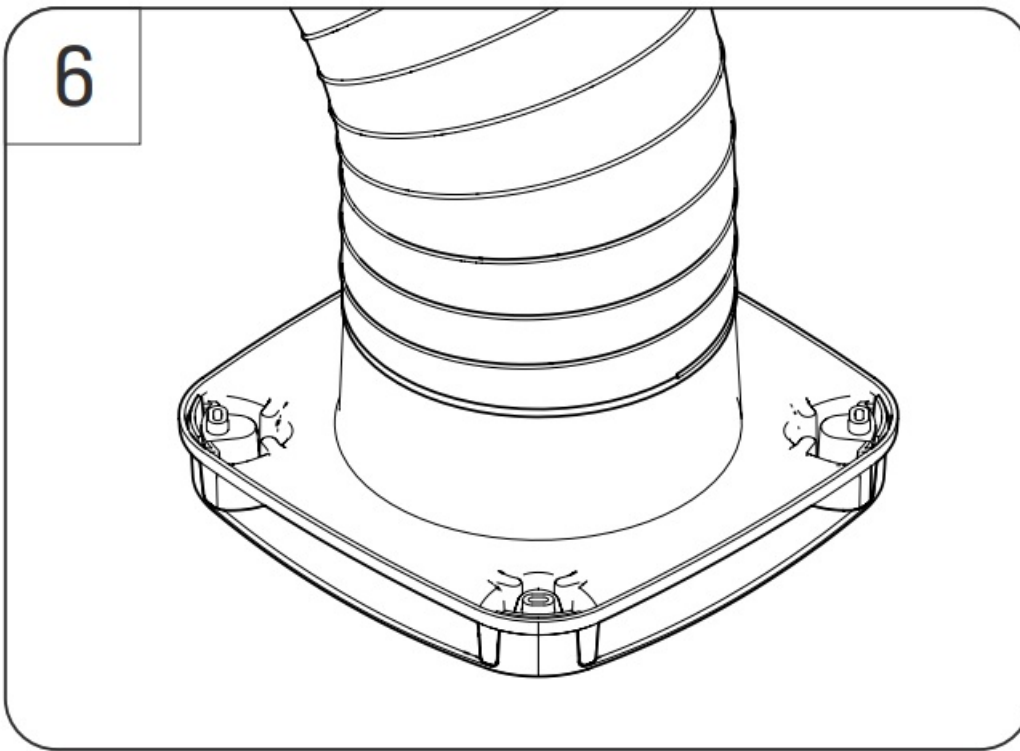
5.

Insert the diffuser spigot into the ceiling hole so that the diffuser outlets face towards the walls then mark the four fixing holes.

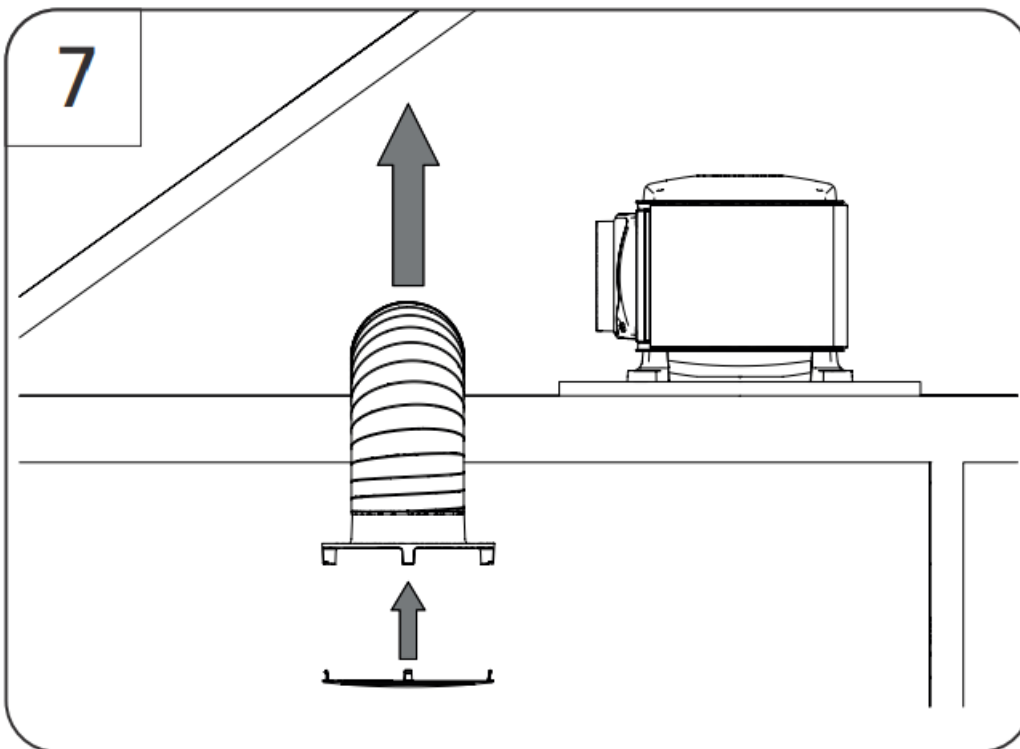
5



6. Attach the duct to the spigot of the diffuser and seal the connection using the tape supplied.

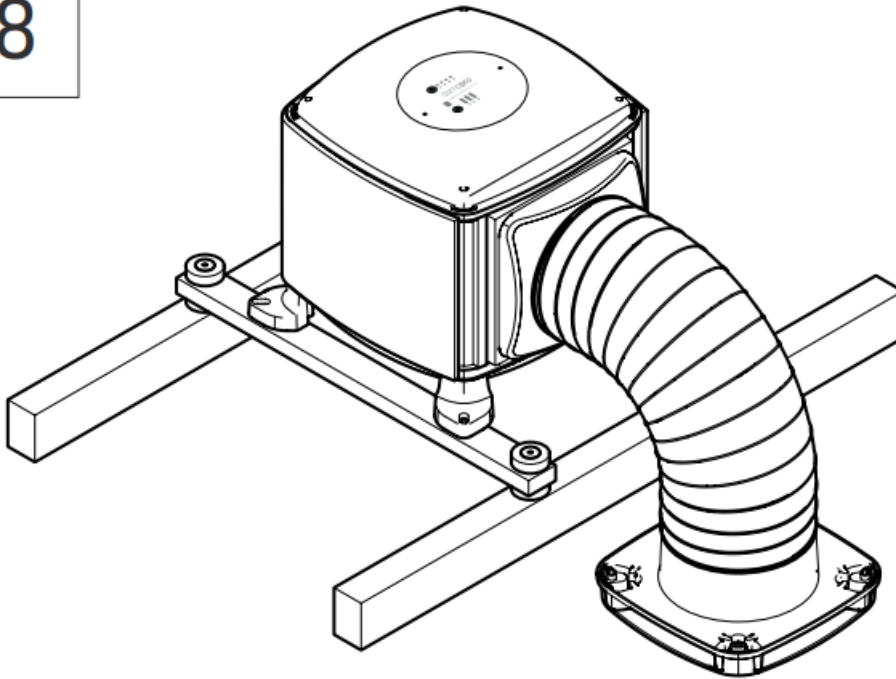


7. Insert the diffuser spigot into the hole then fix it in place. **Use the four plasterboard plugs and four 8g x 1.5".** Then clip the diffuser cover into the diffuser spigot.



8. Attach the flexible duct to the spigot on the unit and ensure it is pulled taut. Seal the connection tightly using the tape supplied. Cut the duct to length if required.

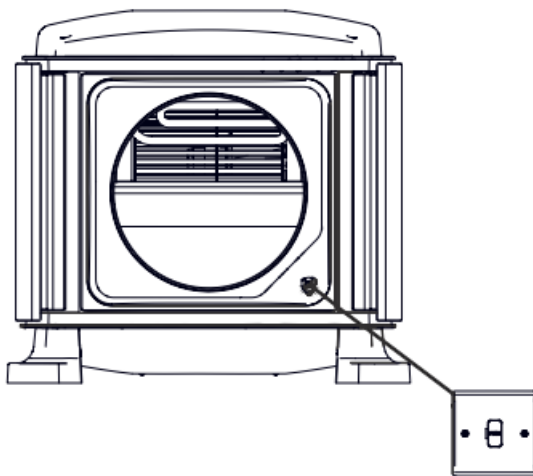
8



9. With the mains supply isolated, wire the power cable into the unswitched fuse spur then wire the unswitched fuse spur into the mains supply (see wiring diagram on page 4).

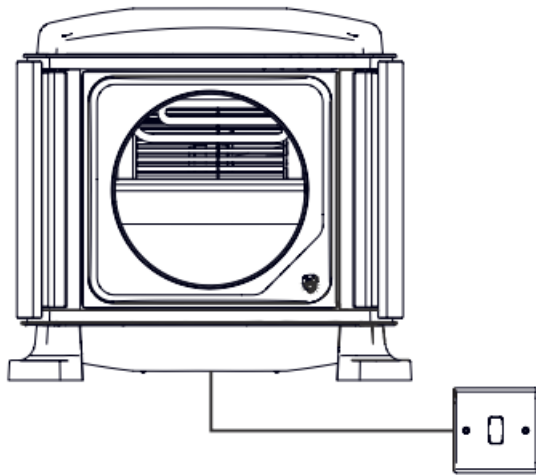
Use two of the 8g x 1" screws to attach the spur to a loft joist.

9



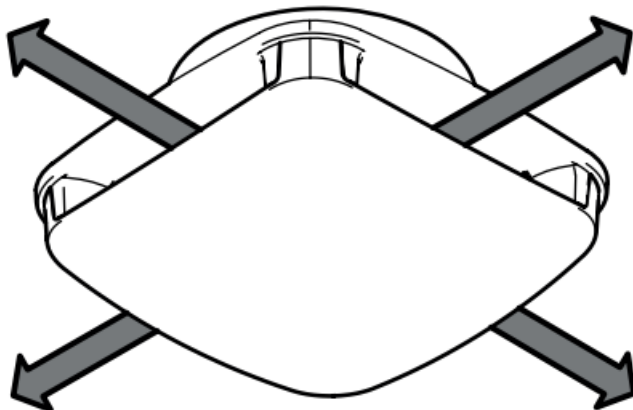
10. Heater units can be wired to a heater enable switch (not included). Connect it to the heater enable cable and fit it in an accessible area. Use two of the 8g x 1" screws to attach the switch to the wall.

10



11. Reconnect the mains supply at the local isolator. After a few seconds air will begin to flow from the diffuser (see page 13 for air flow rate settings)

11



Fire Safety

Smoke Kits

For installations with a floor more than 4.5m above ground, a compatible smoke kit must be fitted. The kits listed below contain all the extra parts and instructions required:

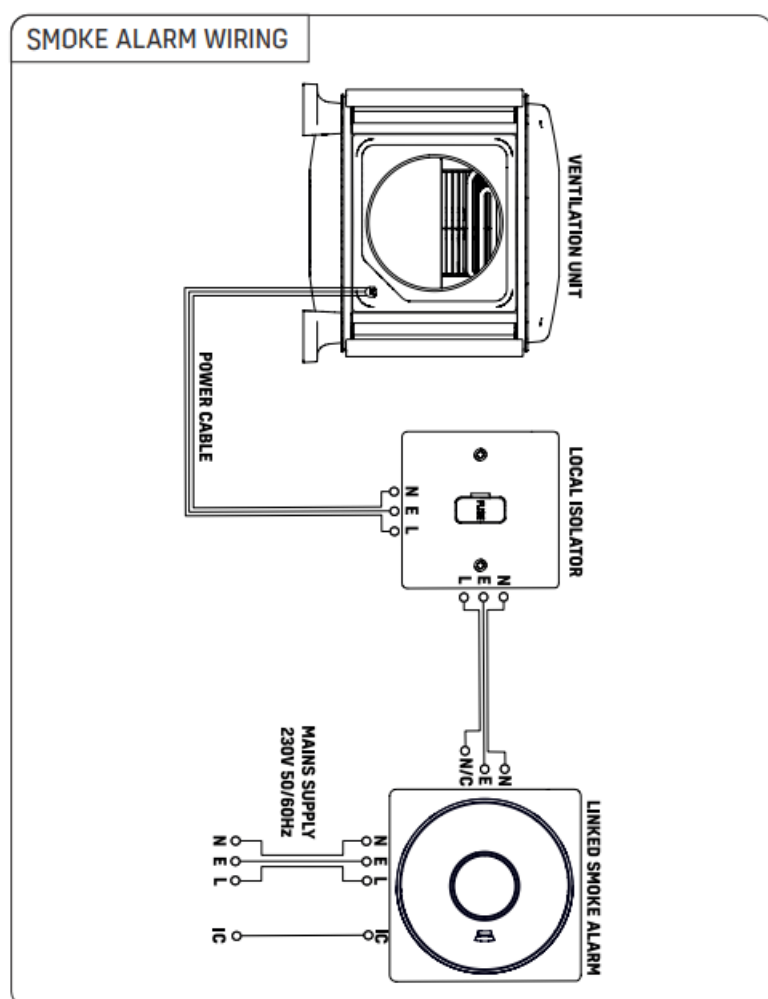
Order Code	Description
KIT-PIV-SMOKE-125	PIV smoke kit with 1x 125mm diffuser
KIT-PIV-SMOKE-150	PIV smoke kit with 1x 150mm diffuser
KIT-PIV-SMOKE-200	PIV smoke kit with 1x 200mm diffuser
KIT-MIV-SMOKE-125	MIV smoke kit with 2x 125mm diffusers

Smoke Alarms

For installations with a floor more than 4.5m above ground, the unit must be wired into a smoke alarm in order to switch the unit off upon the detection of smoke.

The unit can be wired into an existing smoke alarm (check compatibility with the smoke alarm manufacturer). All wiring should be completed by a competent person.

To test the installation, press the TEST button on top of the smoke alarm and keep it pressed until the PIV unit switches off (LEDs on the board go out).



SETTINGS

Top button

- Press to show the current air flow rate setting.
- The corresponding LED will illuminate on the keypad.
- Further presses scroll through the air flow rate settings 1, 2, 3 and 4 on a loop.
- Adjust this according to the size, type and occupancy of the property.

Bottom button

- Press to show the total running time.
- The numeric display will illuminate to show the total amount of time the unit has been running. e.g. '1234' (hours)

Wired comfort heater enable/disable

A switch to enable/disable the heater function can be connected up to 3 metres away from the unit. This must be a volt free contact.

Do not wire the cable or switch into the Mains. When the switch is pressed on, the comfort heater function is enabled and the system will maintain the incoming air temperature at 10 °C. When the switch is pressed off, the automatic comfort heater function is disabled.

Energy Usage and Airflow Performance

House size setting	Max air flow rate (l/s) ^a	Power usage (Watts) ^b
1.	21	4
2.	29	4
3.	38	6
4.	49	9

a Diffuser installed without blanking plates fitted.

b Power usage shown with heater function disabled.

Running costs

Please scan our QR code to see the annual running costs of this product.



Or [visit: envirovent.com/annual-running-costs](http://visit.envirovent.com/annual-running-costs)

Maintenance

The damp pro loft unit is designed to operate for 5 years before requiring a full service.

It is recommended that the filters are replaced after 5 years usage.

If there are very high amounts of particulate matter in the air and loft space, the filter will need to be replaced more frequently.

Spares/Accessories

Item Description	Order Code
Replacement coarse particle filter (ISO Coarse 65%)	FILTERPIV-COARSE
Replacement medium particle filter (ePM10 50%)	FILTERANC-MEDI
Replacement fine particle filter (ePM2.5 50%)	FILTERANC-FINE
Replacement coarse particle filter including carbon (ISO coarse 65% including carbon)	FILTERANC-COARSE+C
Replacement diffuser	1DIFEVLDF
Fixing kit	FIXINGKITEVL
Heater switch	SWHHEATER
Smoke alarm	1ACSMOKEALARM-KIT

Warranty

We appreciate you choosing this quality product, which is designed and manufactured to the highest specification in Harrogate, North Yorkshire. We are confident that you will be delighted with the performance of the system and the resulting improvement in air quality in your home after the installation of the unit.

This unit is covered by a full 5-year warranty. There is no requirement for maintenance within the first 5-year period other than general cleaning.

The warranty covers any defect or break down that arises due to faulty materials or construction. Please note that a receipt will be required as proof of purchase. Any units bought from an unapproved source, including but not limited to auction websites, are not covered by this warranty.

Your unit serial number

You should not dismantle or remove any parts of the product other than those instructed in this guide. Tampering with the unit will void the warranty.

For all enquiries including faults, please contact your supplier.

CUSTOMER SUPPORT

AFTER COMPLETING INSTALLATION, PASS THIS GUIDE ONTO THE END USER FOR FUTURE REFERENCE
DO NOT THROW AWAY

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E&OE | MKT ENV357 – V8 – 06.06.23

Due to our policy of continuous innovation and improvement EnviroVent reserves the right to alter products specification and appearance without notice.


We want to hear from you

Your feedback is important to us as we strive to improve our products, services, and overall customer experience. Please email us to help us serve you better: feedback@envirovent.com

damppro

VENTILATION UNIT INSTALLATION GUIDE

Documents / Resources

	envirovent Damp Pro Ventilation Unit [pdf] Installation Guide Damp Pro Ventilation Unit, Damp Pro, Ventilation Unit, Unit
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References

- [UK Manufacturer Of Ventilation Systems & Extractor Fans | EnviroVent](#)
- [Ventilation System Annual Running Costs | EnviroVent](#)