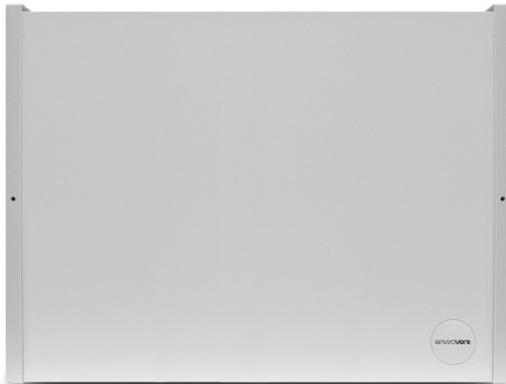


# envirovent®

## WALL MOUNTED UNIT INSTALLATION GUIDE FOR ENGINEER / INSTALLER



Lifetime Range®

# THANK YOU FOR CHOOSING ENVIROVENT

THE FASTEST GROWING VENTILATION COMPANY IN THE UK.

## IMPORTANT

Be sure to have read and understood these instructions before beginning the installation process.

You are about to install a product that is designed to outlast the life-cycle of the building. Once installed the unit will operate continuously for 5 years and beyond without a major service. Please therefore ensure that this product is treated with care and installed properly i.e. for the life of the building. If the unit is mishandled you might break it! This invalidates the warranty.

And remember, if you have any problems please call our dedicated Technical Team. We are always pleased to help and in an emergency will come out to site quickly, completely free of charge.

**HOTLINE: 0345 27 27 810**

## SAFETY AND RECOMMENDATIONS

All wiring must comply with Building Regulations and the current I.E.E. Wiring Regulations (BS7671) or the equivalent standards for your country. The final installation should be examined and tested by a qualified electrician. This appliance is not intended for use by any person 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. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



**Do not remove or tamper  
with electronic circuit board**

This is not a user function

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

# Pre-Installation Checklist

## Objective

The EnviroVent Wall Mounted Unit should be positioned on an external wall to deliver air to the centre of the dwelling through ducting bends and grilles.

1. Choose the position of the unit and establish that the route of ductwork is free from obstruction i.e. cables/ pipes etc.
2. Do not position the unit within the bathroom.
3. Check that the air intake is not within 3m above a boiler flue outlet or within 1m if to the left, right or below.
4. Ensure that the duct run is kept as straight as possible.
5. Ensure that rigid duct is used throughout the installation.
6. Ensure that the air supply is central in the dwelling (i.e. central hallway) and is as high as possible.
7. Ensure that the duct runs are no more than 10m long.
8. Keep the core hole 150mm away from a window reveal.
9. Check the ductwork used does not significantly affect the delivered airflow. We would recommend the use of 100mm round rigid duct.

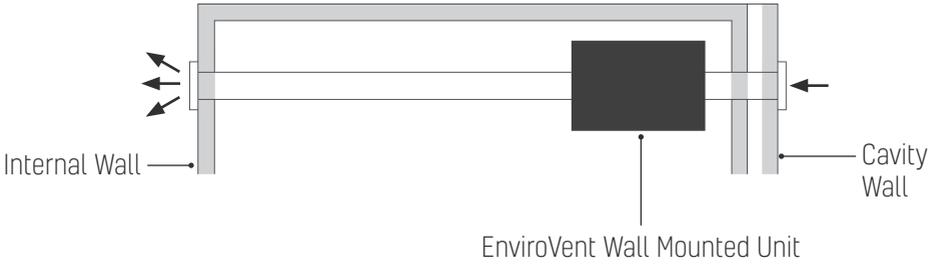
Description	Item
4 X Pine Trees	
4 X Self Tapping Screws	
8 X Push Rivets	
1 X Blank Plug	

SHOULD YOU ENCOUNTER ANY PROBLEMS  
INSTALLING THIS UNIT, CALL US ON:

**0345 27 27 810**

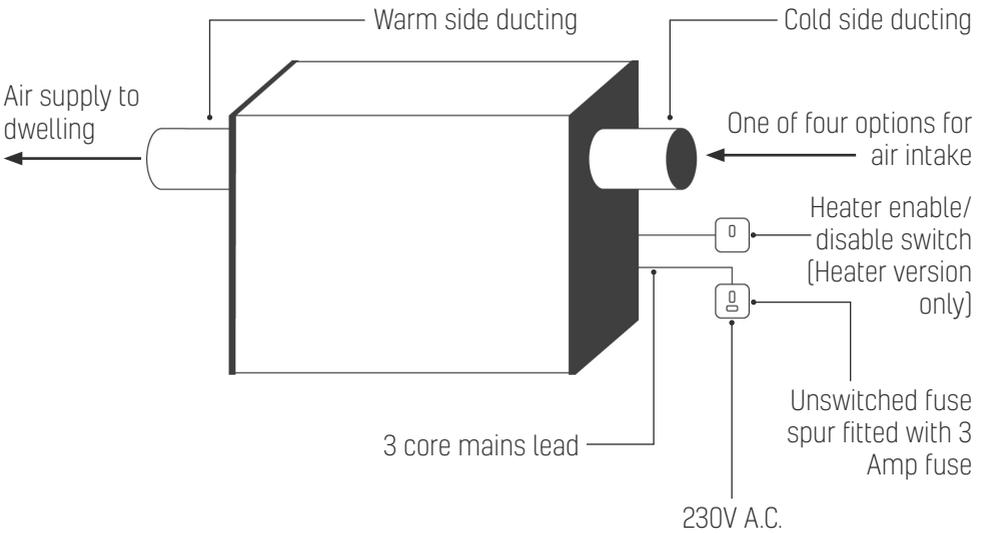
# Installation Diagrams

## Standard Installation



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## View of whole unit assembled

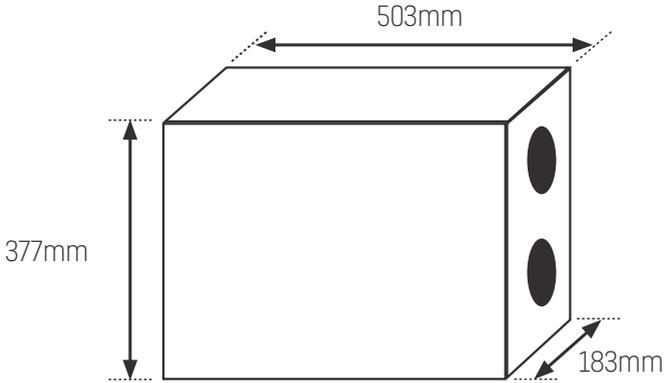


AFTER INSTALLING THIS UNIT,  
PLEASE PASS ON TO END USER

**DO NOT THROW AWAY**

envirovent®

# Unit Dimensions



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## Installation Instructions

### First Stage

1. Choose the desired position of the EnviroVent Wall Mounted Unit using the pre-installation check list.
2. Decide if the installation required is a left-handed or right-handed unit. This can be determined by using the back panel [figure 1, option 1 or 2] and the central carcass [figure 2].

Fig. 1

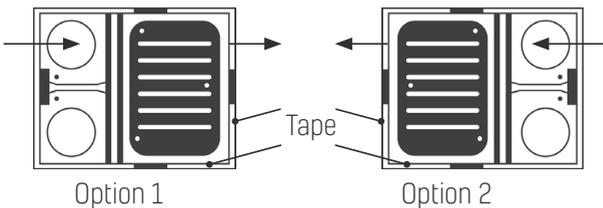
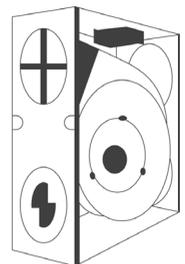


Fig. 2



Central  
Carcass

Figure 1: Back panel showing direction of air flow

SHOULD YOU ENCOUNTER ANY PROBLEMS  
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0345 27 27 810

## Second Stage

1a. If the air intake is through the side panel, it is necessary to use end panel A [figure 3] as a template by removing the knock out, ensuring the cable exit is closest to the wall. Mark up the wall. Ensure that you leave enough space around the template for the unit and panels to fit.

Or

1b. If the air intake is through the back panel it is necessary to use the assembled back panel/ central carcass as a template and mark up the wall. Ensure that you leave enough space around the template for the unit and panels to fit [figure 4].

## Third Stage

1. Drill a hole with a 107mm core in the marked position. If the air intake is through the end panel A, cut a length of ducting\* that equals the thickness of the outer wall plus 80mm. If the air intake is through the back panel, cut a length of ducting\* that equals the thickness of the outer wall plus 15mm.
2. Insert the duct\* into the hole through the outer wall and attach the outer grille\*.

\*Duct, ducting and grilles are not included with the EnviroVent Wall Mounted Unit.

Fig. 3

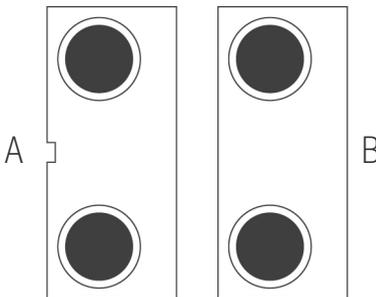
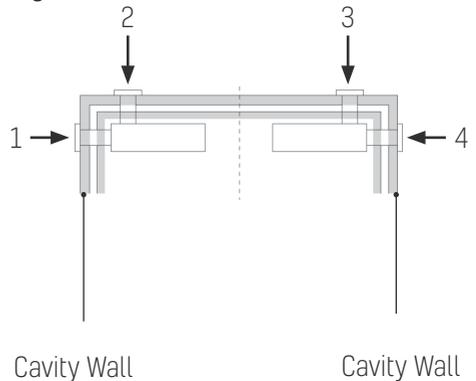


Figure 3a  
End panel with cable outlet

Figure 3b  
End panel

Fig. 4



Cavity Wall

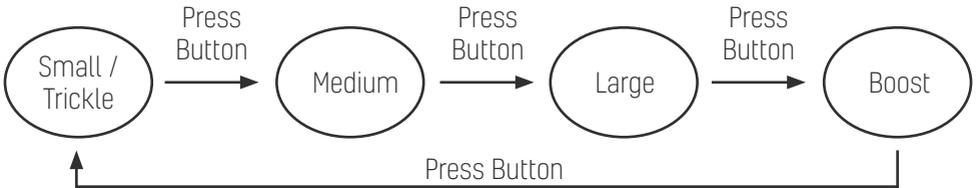
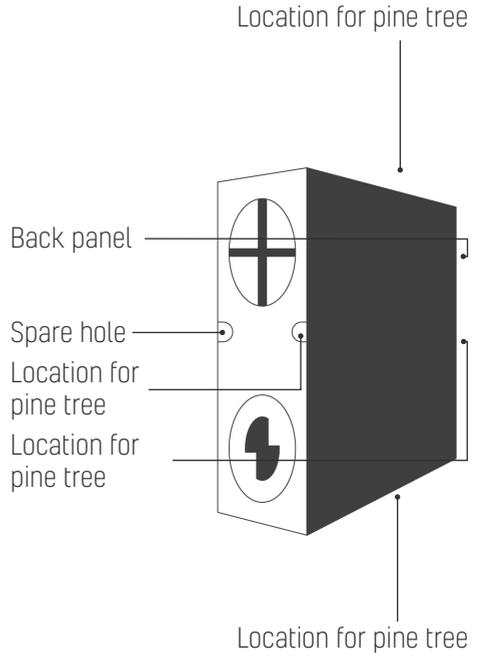
Cavity Wall

## Installation Instructions

1. Remove the backing tape from the back panel (figure 1) and offer up to central carcass (figure 2) ensuring that the filter guides match up.
2. Insert the 4 x pine trees from the fixing kit into the central carcass into the back panel as shown in the diagram. For left handed units the pine trees should be inserted on the opposite side than the side shown in the diagram.
3. Insert the blank plug in the spare hole in the front panel of the central carcass.
4. Offer up the back panel and the central carcass to the ducting\* (also end panel A if the air intake is through the end). Ensure that the cables leave the unit through the cable exit on side panel. Fix the unit using the five fastening points on back panel (figure 1).
5. Fit the inner front cover by lining up the eight holes for the push rivets. Separate the push rivet body and head. Insert the body of push rivet through the front cover and central carcass unit then insert the head and push firmly. Ensure that the filter is in place.
6. Connect the 3 core white cable to the switch spur and back box usually mounted adjacent to the unit.
7. Connect the low voltage 2 core black cable to the heater switch and back box, usually mounted at light switch level.
8. Fit front outer cover, fixing on the front and underside, using screw caps to conceal screws.
9. The EnviroVent Wall Mounted Unit must only be installed by a competent person and should be connected to an electrical supply in accordance with the current electrical regulations. A disconnection device should be used in the fixed wiring.

## Setting the Unit

Check the unit is working correctly. Set the unit's controls according to the house size. Adjust the settings on the top of the unit by pressing the house setting button with the point of a pen or similar. By pressing the button, the correct ventilation rate for the size of the house can be selected i.e. if the unit is on TRICKLE and the button is pressed, the unit will then switch to MEDIUM. Similarly, if the unit is on BOOST and the button is pressed, the unit will then switch to TRICKLE.



As a rule of thumb, the setting on the EnviroVent Wall Mounted Unit should match the number of bedrooms i.e 1 - 4

\*Duct, ducting and grilles are not included with the EnviroVent Wall Mounted Unit.

# Installation Instructions

## T-Piece

There will be some occasions where it is necessary to fit a T-piece to the EnviroVent Wall Mounted Unit. This will be due to the dwelling having a remote kitchen/bathroom away from the central hallway which will not directly benefit from the air supply being delivered to the zone.

## Plan View

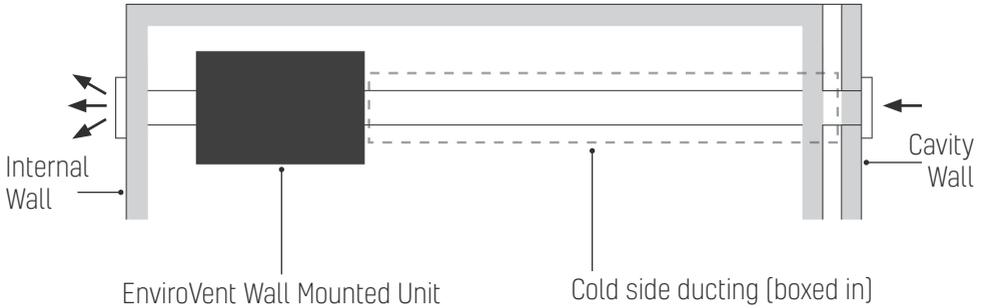


## Cold Side Ducting

Due to the layout of some properties, there may be occasions where it is necessary to install the EnviroVent Wall Mounted Unit in a central position within the dwelling i.e. away from the external wall surface. This will result in a length of “cold side ducting” being installed between the external wall and the unit, running through the dwelling.

In the event of “cold side” ducting being required, an insulated sleeve should be used to ensure condensate does not form on its surface. To improve the aesthetic appearance of this ducting, we recommend that it is boxed in on completion of the installation.

# Installation Instructions



## After Sales Service

We recommend you do not dismantle or remove any other parts than those mentioned, as any tampering would automatically cancel the guarantee. If you detect any fault, contact EnviroVent on 0345 27 27 810.

## Maintenance

Should be achieved by replacement of filters and consumable items. There should be a filter exchange after 3 years.

## User Guide

### About Wall Mounted Unit

Do you know what's going on in your own home?



#### Moisture

The typical household creates around 100 pints per week - from showers, baths, cooking etc.



#### Chemical Emissions

From everyday household furnishings, building products etc.



#### Fumes

From tobacco products, exhaust gases etc.



#### Dust

From furniture, carpets, bedding etc.

**= Poor Air Quality = Condensation, Damp & Mould**

### The cause of condensation, damp and mould

In a dwelling of 4 people, each will contribute approximately 4 pints of moisture per day - through showers, boiling kettles, cooking etc totalling over 100 pints of liquid per week.

Other airborne contaminants which exist in a typical dwelling like dust, tobacco products, exhaust gases - even chemical emissions from furnishing and building products further deteriorate air quality.

In older, less energy efficient dwellings, there is a natural escape for this hot, damp problem air - through ill-fitting windows and doors, uncarpeted floorboards, lofts without insulation and so forth.

Improved building features such as cavity wall insulation, double - glazing and draft proofing prohibit 'natural ventilation'. Stale, humid air is trapped - increasing the condensation problem in the dwelling.

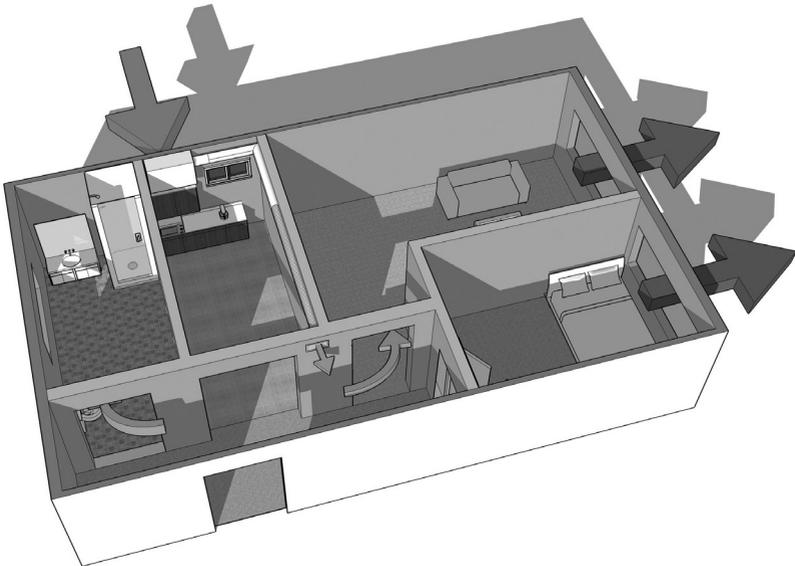
## The Benefits

### Say goodbye to condensation & mould

- Whole house ventilation
- Condensation control
- Improved air quality
- Enhanced heat distribution
- Musty odours removed
- Benefits allergy and asthma sufferers
- Streaming windows stopped

### How does my Wall Mounted Unit work?

The Wall Mounted Unit work by supplying fresh, filtered air throughout the home to transform a stagnant and stale atmosphere into a fresh, healthy and condensation-free environment. The Wall Mounted Unit delivers air into a home via a single input, usually located in a central hallway.



AFTER INSTALLING THIS UNIT,  
PLEASE PASS ON TO END USER

**DO NOT THROW AWAY**

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## How does my Wall Mounted Unit help?

It prevents the build-up of moisture in the house, controlling steam/condensation during bathing and cooking to prevent the formation of black mould on walls, behind cupboards etc. It will also help to stop general dampness and musty smells caused by poor ventilation.

### Energy Saving Benefits

Your Wall Mounted Unit also helps to save energy in the following ways:

#### Minimum Energy Consumption

- Using the latest technology, the units are powered by ultra-low watt motors to achieve low running costs.

#### Heat Distribution

- Warm air accumulates at ceiling level. This air can be up to 7°C higher than the internal air at ground level. By introducing an air supply, the Wall Mounted Unit helps to redistribute heat around the home to further reduce heating costs.

#### No need to open windows

- To reduce humidity and condensation during the heating season, significant energy loss occurs by opening windows. The Wall Mounted Unit provides fresh, filtered air to the home and reduces humidity without the need to open windows, saving energy and heat loss.

#### Health Benefits:

- Reduces mould spores, a trigger for respiratory problems and allergies.
- Reduces house dust mite populations by lowering humidity levels - a main trigger for asthma and allergies.

## How do I control my Wall Mounted Unit?

Standard automatic mode: On auto the flow rate of the unit will be set at the appropriate level for your home during installation. To enable or disable the heater press the heater enable switch on or off.

## What features does my Wall Mounted Unit have?

The intelligent low temperature comfort heater\* is designed to temper the air during periods of low external temperatures. It is capable of holding incoming air temperatures accurately at 10°C. With the function enabled, the heater may be on 10% of the time, depending on the fan speed setting and only at loft temperatures at or below 10°C. The unit has an automatic increased airflow setting. This function increases airflow rates per setting by 10% to deliver additional air into the property at temperatures above 19°C.

\*Heater may be omitted on request by the customer.

## Maintenance

- After 3 years the filter located in the unit must be replaced. Screws located on the edge of the cover must be removed and the cover loosened and removed. Pull on the foam pad on the side of the unit to remove the filter. Replace the filter and covers ensuring all duct work is securely in place. Work to be carried out by a technically competent person. When carrying work out to this unit it should be isolated from the main power supply at the fuse spur.

## How much does my Wall Mounted Unit cost to run?

The Wall Mounted Unit is very energy efficient. On a constant medium setting with the heater enabled, the unit will cost around £30\* a year to run. With the heater disabled the unit will cost less than £6\* a year.

\*Based on an average electricity unit price of 15p.

Costs will vary year on year depending on atmospheric conditions and unit settings.

## Helpful hints and tips

Keeping your home condensation free:

- Try to keep the house as warm as possible for as long as possible
- Do not dry clothes over any radiators
- Vent your tumble dryer outside
- Do not use paraffin / Calor gas type heating

## Energy bills:

- To minimise energy bills you may need to adjust the central heating down if the input is in the same room as your thermostat.

## Warranty Conditions and Exclusions

- The Wall Mounted Unit is covered by a 5 year warranty [7 Year with Rapid Response].
  - Do not turn your unit off. It is important that the unit runs continuously.
  - EnviroVent offer customers a full Supply and Fit service. This service also entitles our customers a unique 5 years parts and labour guarantee [7 Year with Rapid Response] and if within the 5 years of installation the unit breaks down, we will repair it - FREE of charge.
- Should you buy the fan from an approved wholesaler the product is protected by a 5 years parts guarantee [7 Year with Rapid Response] and in the highly unlikely event of any problems you can call our helpline number or return it to the approved wholesaler.
  - Please note that proof of purchase by the way of a receipt is required and that any fans bought from an unapproved source, including but not limited to Ebay, will render the guarantee invalid.

## What should I do if I have a problem?

If, after thoroughly reading this booklet, you feel that your unit is not working correctly, you can telephone the number shown at the bottom of this page (operational from 8:30am to 5:00pm Monday to Friday), and ask for technical assistance.

Serial number of the unit.....

## Terms of Warranty

- The system must be correctly installed and operated according to the instructions contained in the user guide supplied.
- Periodic cleaning and maintenance must be carried out by a technically competent person.
- The warranty will be rendered invalid if the unit is turned off. Turning the unit off can damage it.
- The warranty does not cover accidental damage, misuse or abuse.
- The warranty is in addition to your statutory or legal rights.
- The warranty will only be honoured from approved suppliers.
- A further 5 year warranty can be obtained subject to the level of service carried out at the 5 year point [7 Year with Rapid Response].

We appreciate you choosing this quality EnviroVent 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.

Your warranty covers any defect or break down that arises due to faulty materials or construction.

# envirovent®

Delivering innovative and sustainable  
ventilation solutions worldwide

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E / [info@envirovent.com](mailto:info@envirovent.com)  
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Please read carefully to ensure  
simple installation and a long  
trouble free life for the user.

AFTER INSTALLING THIS FAN PLEASE PASS ONTO END USER  
**DO NOT THROW AWAY**

**E&OE | MKT ENV241-V8-20.01.17**

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](mailto:feedback@envirovent.com)