MANROSE®

HEAT 'n VENT 4

MODEL NO. FAN0955

Dear customer,
Thank you for selecting MANROSE. Please read all instructions before commencing installation.

WARNING - ALL WIRING MUST BE CARRIED OUT BY A REGISTERED ELECTRICIAN

1. Use this HEAT 'n VENT 4 unit only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons. If you have questions, contact the manufacturer or local agent.
2. All wiring must be carried out by a Licensed Electrician in accordance with all applicable codes and standards.
3. Make sure the power is off before the installation.
4. When cutting into the ceiling, do not damage electrical wiring and other hidden utilities.
5. The HEAT 'n VENT 4 unit must be properly earthed.
6. The lamps are hot when in use. Do not touch the infrared lamps when in use.
7. For the purpose of avoiding any dangerous gas leaking into your bathroom, the ducting of the HEAT 'n VENT 4 unit must not be shared with the ducting of air-fueled water heater or other open-fire appliances in the same flue.
8. The HEAT 'n VENT 4 unit must be isolated from the power by means of a plug or a switch capable of disconnecting all poles with a contact separation of at least 3mm in each pole.
9. The power cable must be rated for a minimum 10A inductive load.
10. The 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.
11. Children should be supervised to ensure that they do not play with the appliance.

IMPORTANT CONSIDERATIONS BEFORE INSTALLING

A few minutes of planning can make a big difference to the installation time and ultimate satisfaction with the functioning of the unit.

1. The unit should not be installed directly above a shower or bathtub. The unit must not be installed in a position where water may splash onto the lamps.
2. The unit must not be installed beneath a fixed electrical socket.
3. The unit is designed for installation in flat ceilings only. Do not mount it on a sloping ceiling or a vertical wall.
4. The infrared lamps are most effective when you are standing directly beneath them, so generally the unit would be mounted above a place where you would stand to dry yourself.
5. For the exhaust fan to work efficiently, replacement air of a volume equivalent to what is being extracted mustbe able to enter the room. Generally this air would be drawn under the door. If the room is airtight, the fan will not exhaust air efficiently.
6. Before commencing any cutting, check in the ceiling space that there are no obstructions such as ceiling joists and that there is sufficient height clearance for the housing. Check that the electrical wiring can be routed from the wall switches to the mounting location.

INSTALLATION

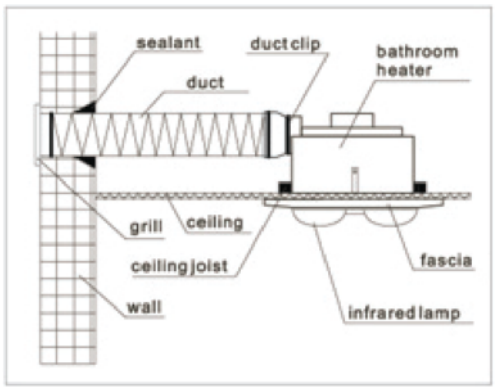
1. Locating the HEAT 'n VENT 4 unit

For the purpose of obtaining the best heating effect from the lamps there should be at least 2.3m overall height from unit to ground.

2. Prepare the ceiling

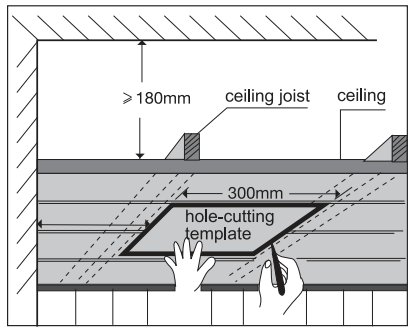
Select the mounting position for the unit. Check that it is possible to route the ducting from the unit to the outside of the house. This will generally be to the soffit but can be to a wall outlet location (as pictured).

Use this hole-cutting template to mark the hole on the ceiling. Make sure a distance between the edges of the unit and wall is no less than 250mm. There should be a minimum 220mm vertical distance between the ceiling and roof.



3. External Grille

Locate the position for the external grille and cut a 125mm diameter hole. Connect one end of the 120mm diameter duct to the spigot of the external grille.
Note: Since the length of each duct is 3.0m, make sure the centre of the installation hole is no more than 3.0m from the vent.
Note: In order to get an effective ventilation, it is suggested that the duct is no more than 3.0m in length.



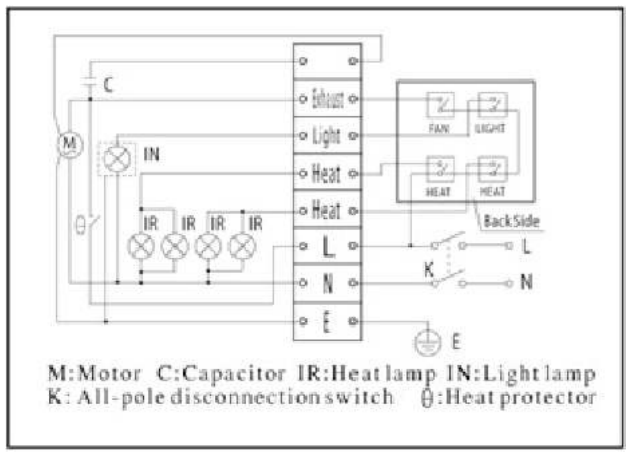
4. Remove the fascia

Remove all lamps from the HEAT 'n VENT 4 unit. Unclip the internal fascia-retaining springs inside the housing. Remove the fascia.
Note: Do not use excessive force when removing the heat lamps.

5. Wiring

Connect one end of the interconnecting wire to the wall switch panel, and bring the other end out of the hole in the ceiling. Open the terminal block cover on the unit's housing, make the connection as per the wiring diagram instruction below, then reposition the terminal block cover. Press excess wire back into the ceiling.

Note: Ensure that the power is turned off before carrying out any work on electrical installations.



6. Fit the tie-in into the fan outlet in the housing with Ø100mm duct clip. Fit the in-house end of the duct to the fan outlet, and fix the end with duct tap.

Note: Keep the route as straight as possible.

7. Position the housing into the hole

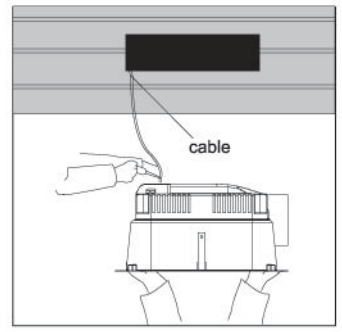
Choose an optimal direction to put the housing into the hole in accordance with the position of fan outlet. Use the spring clips to fix the housing. Ensure that the unit is held securely by the clips.

Note: Try to keep the redundant wire away from the housing.

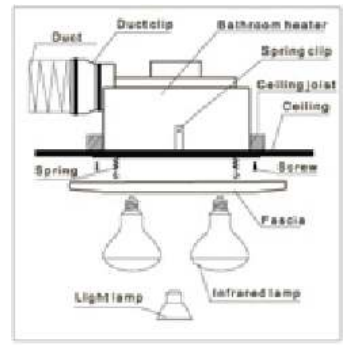
8. Final Installation

1) Replace the Fascia
Replace the fascia and retaining springs.

2) Replace the Lamps
Ensure the lamps are tightened sufficiently to make good electrical contact. Clean the lamps and fascia.







3) Fix the Switch Panel to the Wall
Fit the switch panel onto the wall, ensuring that in this position it is not subjected to splashed water.

Note: The switch wiring should be routed inside the wall. If it is necessary to run the wiring on the outside of the wall, use a suitable conduit and fixings to properly locate and hold the wiring used.

USE
Our bathroom HEAT 'n VENT 4 unit uses the infrared heating lamps as a source of heat. It also combines the functions of exhaust and light.

1. Heat
'HEAT' button On/Off
This model is supplied with two groups of infrared heat lamps. You can switch them on in banks of two for an optimal heating effect. Each individual infrared lamp has been sprayed with 4°C cold water to ensure that there are no flaws in the construction.

Note: Do not touch the infrared lamps with any part of your body when in use.

2. Exhaust
'FAN' button On/Off
This unit can exhaust odours and steam in a quick and efficient way by turning on the "FAN" button.

3. Lighting
'Light' button On/Off

Note: Do not switch on/off frequently when in use. Shut off the power if in long vacancy.

MAINTENANCE

1. Clean
1) Shut off the power before cleaning.
2) Wipe lamps and fascia with care using a soft cloth soaked with a neutral detergent.

Note: Ensure the lamps are cool to touch before handling.

2. Lamp Replacement
1) Check and tighten lamps regularly.
2) Shut off power before replacement.
3) Use an ES27 LED lamp for lighting.
4) Use ES27 275W infrared lamps for heating.

Note: It may affect operation (even cause danger) if lamps other than the designated ones are used.

WARRANTY - 3 YEARS / INFRARED LAMP - 2 YEARS
The main unit and fan motor is warranted against factory fault for a period of 3 years and the oiriginal supplied MANROSE infrared lamps for a period of 2 years. Labour costs are not covered. Please keep
and bring the original invoice to your place of purchase for warranty services.

This warranty does not cover damage or loss caused by:
1) LED lamp or failure of LED lamp.
2) Any consequential losses arising from incorrect installation or operation or maintenance of this product.
3) Any consequential losses arising from incorrect wiring of this product.
4) Any consequential losses arising from repairing of any part of this product by unauthorised persons.

MAIN TECHNICAL PARAMETERS

Model Number	FAN0995
Rated Voltage	220V-240V
Rated Frequency	50Hz
Rated Power	1080W-1180W

LIST OF ACCESSORIES

Operation unit	1 piece
Infrared lamp (ES27)	4 pieces
LED lamp (ES27)	1 piece
Installation instruction & hole-cutting template	1 piece
3.0 metres flexible ducting	1 piece
Grille	1 piece
Duct clip	2 pieces
Switch	1 piece
Tie In	1 piece

Fill out the following details and file with the purchase invoice for warranty service.

MANROSE HEAT 'n VENT 4

MODEL NO. FAN0955

Purchased from: _____

Date of purchase: _____

We reserve the rights to revise this instruction without any prior notice.

Read and save these instructions!

Please take this card as hole cutting template 300mm x 300mm.