



SmartVent
tempra



5 YEAR
WARRANTY

220-240V~50 Hz

Tempra

Single Room Heat Recovery Fan

FAN4439

Installation and Wiring Instructions

PLEASE READ INSTRUCTIONS IN CONJUNCTION WITH ILLUSTRATIONS.

Installation and Wiring Instructions for the Temptra Single Room Heat Recovery Fan



IMPORTANT:

READ THESE INSTRUCTIONS BEFORE COMMENCING THE INSTALLATION

DO NOT install this product in areas where the following may be present or occur:

- Excessive oil or a grease laden atmosphere.
- Corrosive or flammable gases, liquids or vapours.
- Ambient temperatures higher than 40°C or less than – 5°C.
- Possible obstructions which would hinder the access or removal of the fan.

Safety and guidance notes

- A. All wiring to be in accordance with the current NZ/AUS Regulations, or the appropriate standards of your country and **MUST** be installed by a suitably qualified registered electrician.
- B. The fan should be provided with a local isolator switch capable of disconnecting all poles, having a contact separation of at least 3 mm.
- C. Ensure that the mains supply (Voltage, Frequency, and Phase) complies with the rating label.
- D. The fan should only be used in conjunction with the appropriate Simx Limited products.
- E. The fan should only be used in conjunction with fixed wiring.
- F. When the fan is used to remove air from a room containing a fuel-burning appliance, precautions must be taken to avoid back-flow of gases into the room from the open flue of gas or other appliance. Ensure that the air replacement is adequate for both the fan and the fuel-burning appliance.
- G. The fan should not be used where it is liable to be subject to direct water spray for prolonged periods of time.
- H. The horizontal duct should be arranged to slope slightly downwards to the exterior away from the fan.
- I. This appliance is not intended for use by young children or infirm persons without supervision.
- J. This product is suitable for use only with a supply voltage of 220-240V AC 50 Hz. All electrical work must be carried out in accordance with local and national electrical codes as applicable. We strongly recommend that this fan is installed by a registered electrician. Always switch power off prior to installation. A means of mains power isolation must be installed on the circuit for the purpose of safe access for any internal cleaning, recalibration, or maintenance.



Disposal

This product should not be disposed of with household waste.

Please recycle where facilities exist.

Check with your local authority for recycling advice.

Product Description

Single Room Heat Recovery Fan (SRHR)

Suitable for Heat Recovery Ventilation of single rooms including:

Residential (retrofit & new builds), Apartments, Elderly Care Facilities, Education Accommodation, Hotels/Motels, Classrooms and Military Barracks.



Tempra SRHR - FAN4439

Constant trickle speed with Pull Cord or switch to boost airflow.

A. INSTALLATION WALL MOUNTING

This fan is designed for use in a wall of maximum thickness 318 mm.

1. Using the template provided mark the 4 wall fixing positions, the hole for the wall pipe and mains cable entry point.
2. Cut a hole through the wall (Template A - Fixing Template) with a diameter of 117 mm.

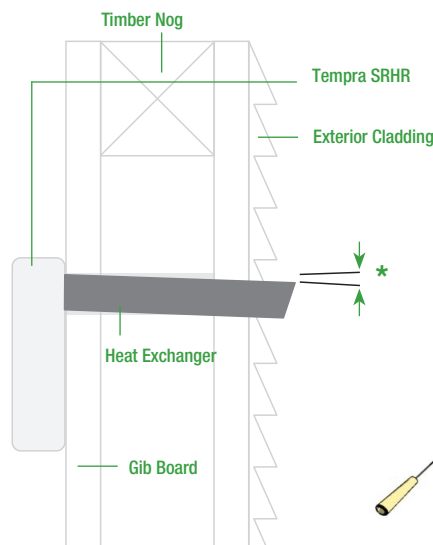


Figure 1.

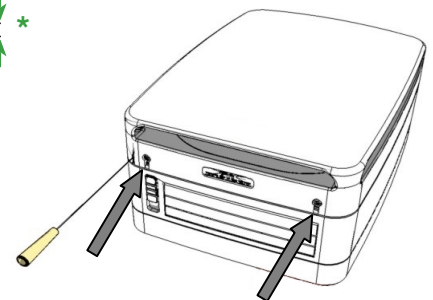


Figure 2.

* Slight gap required so there is a downward slope on the heat exchanger tube.

3. Undo 2 fixing screws and lift off Cover Plate - Figure 2 & Figure 3.
4. Remove 2 screws and detach Electrical Cover - Figure 4.

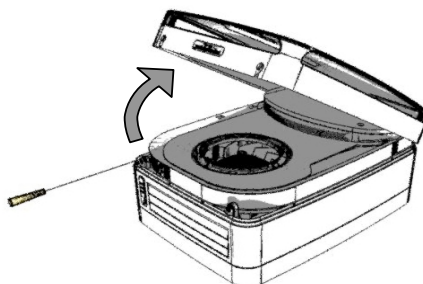


Figure 3.

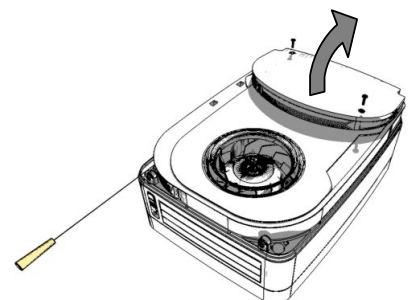


Figure 4.

A. INSTALLATION WALL MOUNTING

5. Lift where indicated to engage hinges
- Figure 5 and open Door - Figure 6.

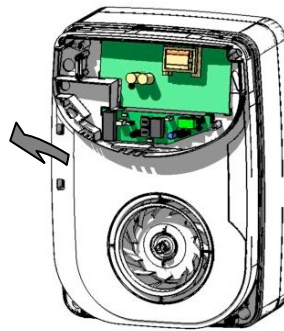


Figure 5.

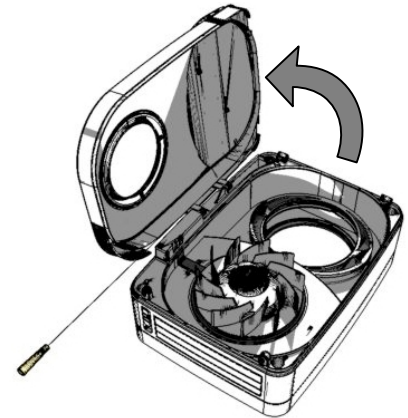


Figure 6.

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6. Feed flexible mains cable through one of the rear entry points or the side entry point as required. And then the door - Figure 7 & Figure 8.

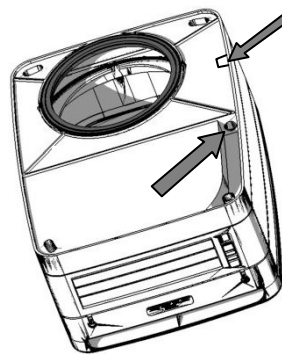


Figure 7.

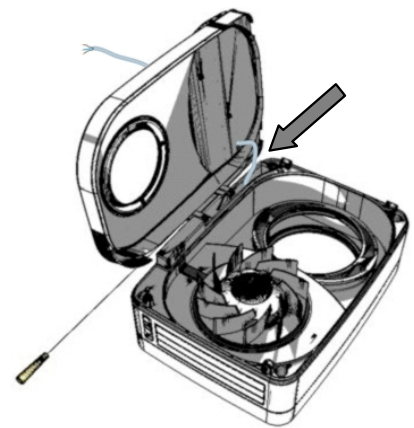


Figure 8.

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7. Fit Chassis to wall with 4 fixing screws carefully aligning the hole in the back of the Tempra SRHR with the hole already cut into the wall - Figure 9.
 8. Remove screws and Heat Exchanger Retaining Clamp kit from bag in carton - Figure 10.

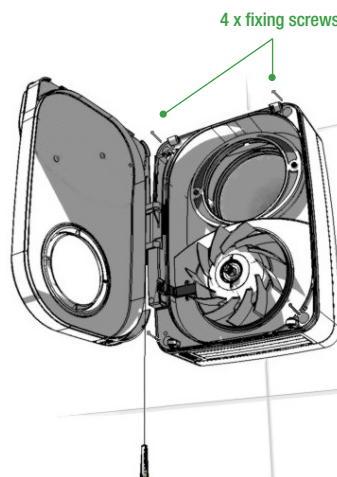


Figure 9.

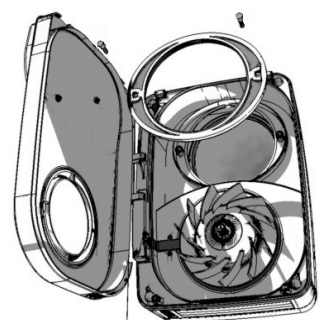


Figure 10.

A. INSTALLATION WALL MOUNTING

9. Insert Heat Exchanger through Chassis and into the hole already cut - Figure 11.

Note: Line up key on top of Heat Exchanger with slot in Chassis.

10. Fit Heat Exchanger Retaining Clamp with screws provided - Figure 12.

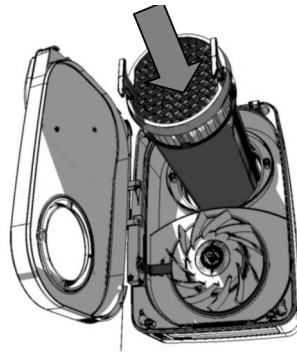


Figure 11.

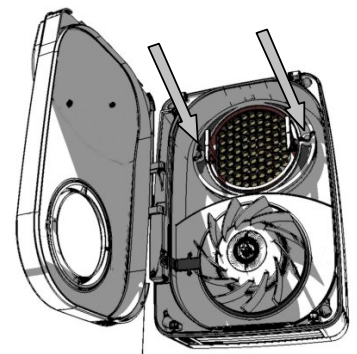


Figure 12.

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11. Close Door and Connect flexible mains cable as described in section B – Wiring, ensure cable clamp is used adjust any settings as required see section C – Setup - Figure 13.

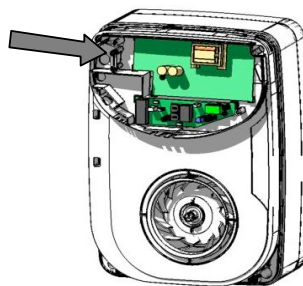


Figure 13.

12. Re fit Electrical Cover with 2 screws indicated - Figure 14.

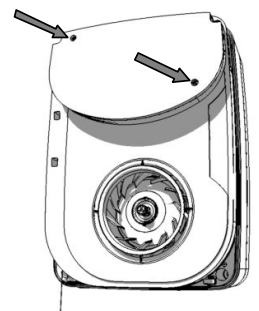


Figure 14.

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13. Re fit Cover Plate and tighten 2 screws - Figure 15 & 16. Ensure Pull Cord is engaged in Lower Slot.

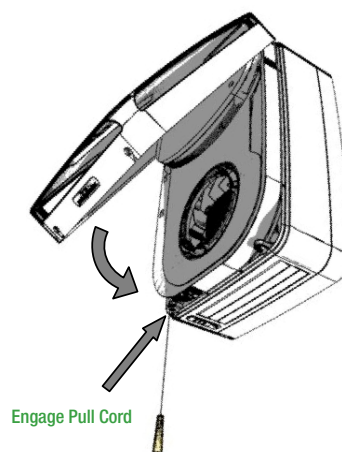


Figure 15.



Figure 16

A. INSTALLATION WALL MOUNTING

14. Make good on outside wall with the Wall Cover Bezel provided, ensure the arrow on the bezel is at the top.

Fix/seal to the wall with a suitable sealant.

Apply sealant in outer groove on rear of bezel.

Important: Please ensure that you apply sufficient sealant to hold the bezel to the wall. (If the wall surface is not suitable for using sealant 2 screws can be located through the 2 bosses provided).

Note: Do not seal the bezel to the heat exchanger, this needs to be removed for cleaning at regular intervals.

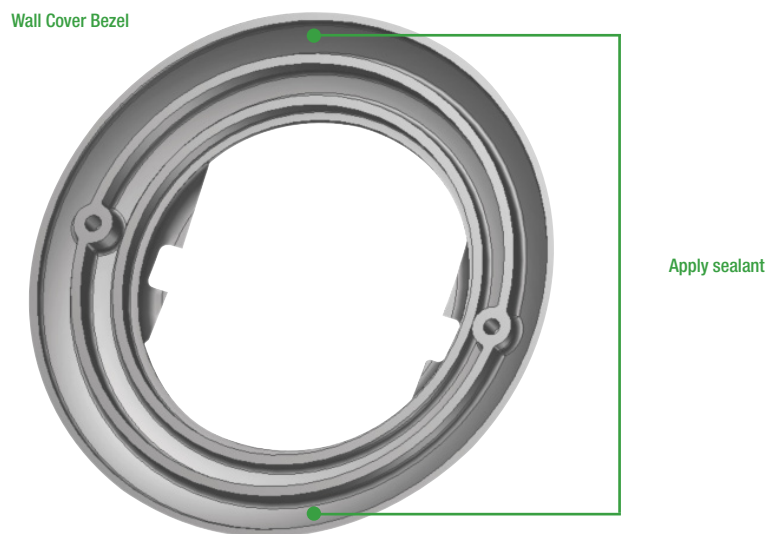
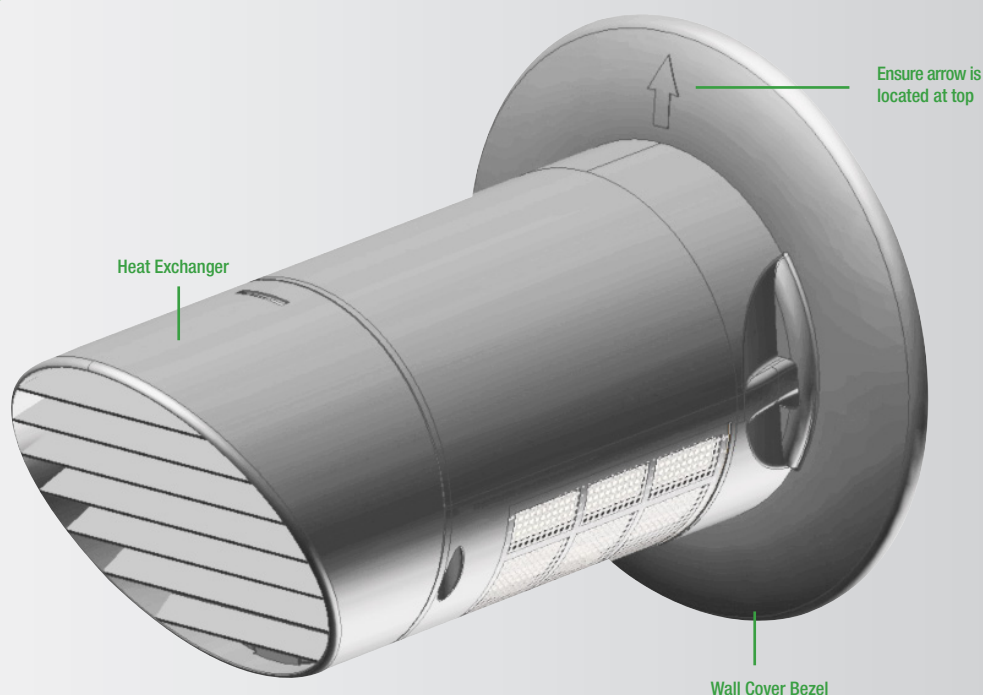


Figure 17.



B. WIRING



WARNING:

THE FAN AND ANCILLARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING THE INSTALLATION / OR MAINTENANCE.

- The fan should only be used in conjunction with fixed wiring.
- The cross - sectional area of supply cord used should range from 1-1.5 mm².
- Cable entry can only be made from the rear of the fan.
- Allow sufficient flexible mains cable when connecting fan, to ensure hinged door opens freely.
- The fan is suitable for connection to 220-240 V 50 Hz supply.
- The fan is a class II double insulated product and **MUST NOT** be earthed.

1. Select and follow the appropriate wiring diagram (Figure 18 or 19).
2. Check all connections have been made correctly and ensure all terminal connections and cable clamps are securely fastened.

Figure 18. Continuous trickle (6 l/s or 9 l/s) with Pull Cord boost facility (applicable to FAN4439) models.

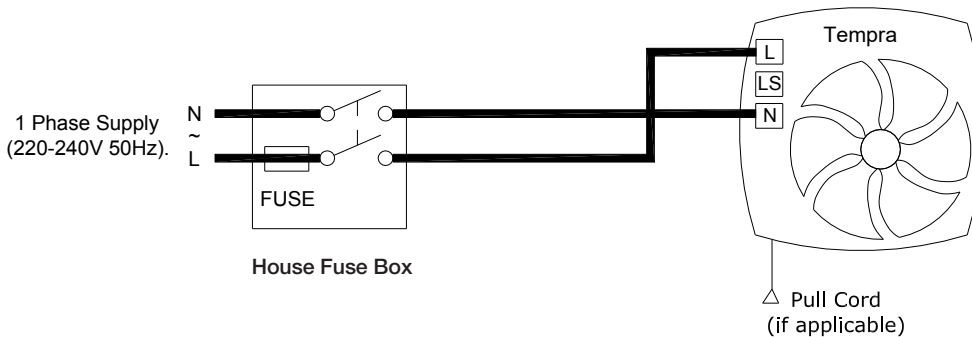
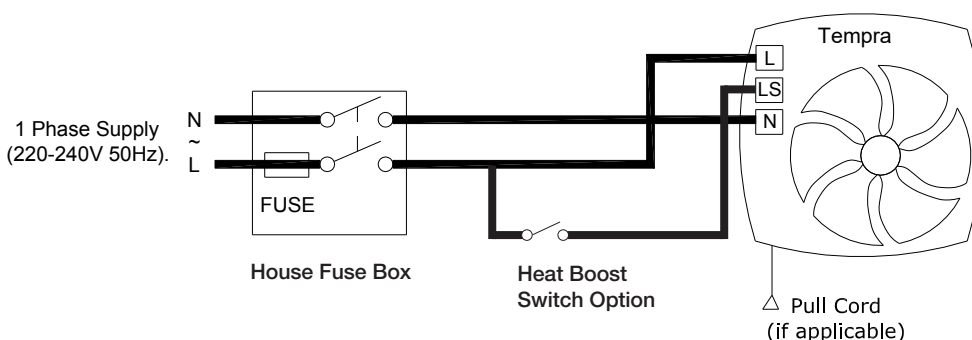


Figure 19. Continuous trickle (6 l/s or 9 l/s) with Pull Cord boost facility (applicable to FAN4439) models and with additional boost speed switch* wired.



* Switch (not supplied) works in parallel to Pull Cord.

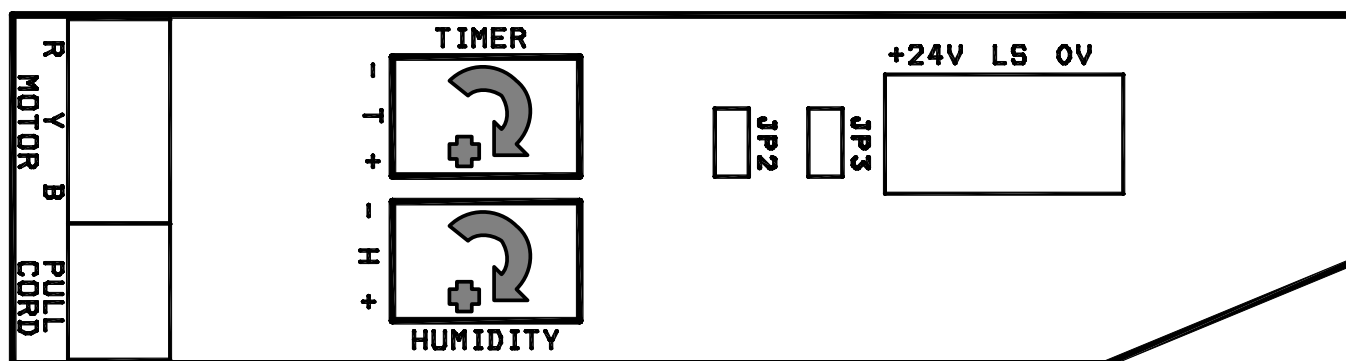
C. SETUP



WARNING:

THE FAN AND ANCILLARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING THE INSTALLATION / OR MAINTENANCE.

Figure 20. Trickle Speed Selection (6 l/s or 9 l/s).



In Trickle running mode the fan can extract at either 6 l/s (22 m³/h) or 9 l/s (32 m³/h) flow rate. The fan will boost to 15 l/s (54 m³/h) when the Boost Speed/Pull Cord switch is switched or humidity* setting is reached.

- Trickle; factory set at 6 l/s (22 m³/h).
- Remove jumper connector (JP2) if 9 l/s (32 m³/h) extract flow rate is required.

*If fitted to the model - humidity only in some versions.

D. Maintenance



WARNING:

THE FAN AND ANCILLARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING MAINTENANCE.

The fan should be cleaned to ensure there is no build up of dirt or other deposits.

1. Remove 2 screws and lift off Cover Plate assembly - Figure 21 & 22.

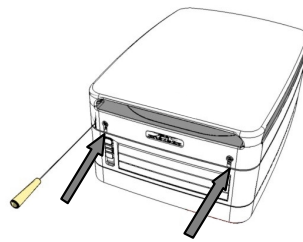


Figure 21.

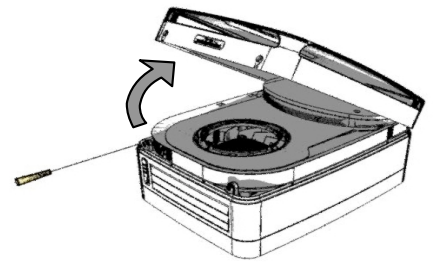


Figure 22.

2. Lift where indicated to engage hinges - Figure 23 and open Door - Figure 24.

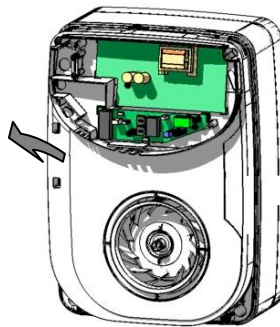


Figure 23.

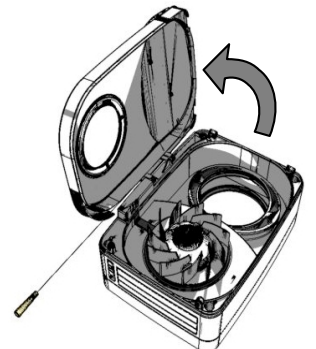


Figure 24.

3. Remove Retaining Plate, Carefully slide out the Heat Exchanger - Figure 25 & 26 and wash in warm water using a mild detergent, dry thoroughly and reassemble in reverse order to above.

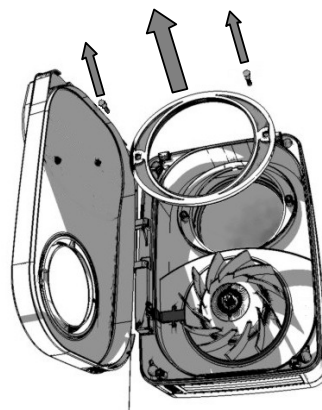


Figure 25.

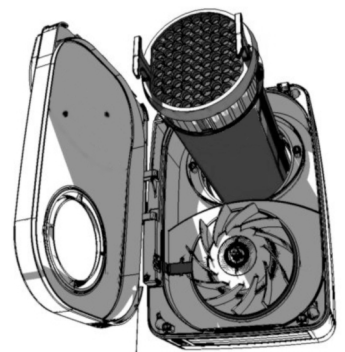


Figure 26.

5 YEAR WARRANTY

Simx Limited warrants to the purchaser that this product is free from defects for a period of five years (5) from the date of the original retail purchase. This warranty is only valid if proof of purchase in the form of a bill of sale, invoice or purchase receipt is presented at the time of request of service.

The customer shall ensure that the goods are fit and suitable for the purpose for which they are required and the company is under no liability if they are not.

The Warranty is in addition to all other conditions, warranties, guarantees, rights and remedies which may be applied by relevant legislation in New Zealand and Australia.

This warranty will not be applicable if the product has not been operated and maintained in accordance with the ***Installation and Wiring Instructions*** and recommendations contained in the ***Installation and Wiring Instructions*** provided with the product, or if the product has been used in a manner other than for which it was originally designed, or if the damage, malfunction or failure has resulted from incorrect voltages, alterations, accident, misuse, neglect, abuse, faulty or improper installation or main supply problems.

We recommend that you keep all the original packaging as it provides the best protection should you have to store or transport this unit in the future.

Simx Limited does not warranty the workmanship of the qualified electrician who installs this product.



Distributed by Simx Ltd

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We reserve the right to alter technical specifications without notice.



Manufactured in the U.K by

Vent-Axia