

- 7.4 Make the appropriate electrical connections as shown in fig. 2, 3 and 4. Surface wiring, must be securely clipped to the mounting surface close to the controller.
- 7.5 The LuminAir fan/light is supplied with flying leads. Connections between the controller and the LuminAir should be made in a mains voltage rated junction box or similar.
- 7.6 Make sure all connections are secure. Fix the controller back to the mounting box. Do not over-tighten the screws and take care not to trap any wires when fitting the two pieces together.
8. **TIMER ADJUSTMENT (LUMINAIR T MODELS ONLY)**
The electronic timer fitted to the LuminAir T is triggered automatically when the unit is switched on by means of a remote switch eg. a light switch. The fan will run for an adjustable preset period (between 3 and 25 minutes) after the lamp is turned off via the remote switch. The timer is factory preset at approximately 15 minutes.
- 8.1 The adjuster is located adjacent to the mains terminal block inside the transformer controller.
- 8.2 Using a small screwdriver turn the adjuster clockwise to increase or anti-clockwise to decrease the over-run period.
9. **LAMP REPLACEMENT BEFORE REMOVING OR REPLACING THE LAMP ISOLATE THE TRANSFORMER CONTROLLER FROM MAINS SUPPLY**
The Vent-Axia LuminAir is specially designed for use with the supplied 12V dichroic flood lamp rated at 20W. The lamp is a straight push in/pull out type. Any twisting movement, when removing/replacing the lamp, should be avoided.
- 7.1 Ensure that the mains supply is switched OFF before starting any wiring.
- 7.2 The mains supply should be via a switched spur with a 3A fuse (UK) to provide double pole isolation switch with a contact separation of at least 3mm. The switch should be located outside the room if it contains a fixed bath or shower, or in accordance with mandatory wiring and safety regulations.
- 7.3 The SELV wiring MUST be with mains voltage rated cable. The SELV wiring should be physically separated and insulated from any mains supply or other cabling. Cut the outer sheathing sheath almost reaches the terminal block. 1.5mm² cable is recommended for cable runs up to 8m. Cable runs over 8m are not recommended.

**VENT-AXIA CONTACT NUMBERS
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Domestic & Commercial Tel: 01293 526062 Fax: 01293 551188	Industrial Tel: 01293 455196 Fax: 01293 455197
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The Vent-Axia Guarantee
Applicable only to products installed and used in the United Kingdom. For details of guarantee outside the United Kingdom contact your local supplier.

Vent-Axia Limited guarantees its products for two years from the date of purchase against faulty materials or workmanship. In the event of any part found to be defective, the product will be repaired, or at the Company's option replaced, without charge, provided that the product:

- has been installed and used in accordance with the instructions given with each unit.
- has not been connected to an unsuitable electricity supply. (The correct electricity supply voltage is shown on the product rating label attached to the unit).
- has not been subjected to misuse, neglect or damage.
- has not been modified or repaired by any person not authorised by the company.

IF CLAIMING UNDER TERMS OF GUARANTEE
Please return the complete product, carriage paid to your original supplier or nearest Vent-Axia Centre, by post or personal visit. Please ensure that it is adequately packed and accompanied by a letter clearly marked 'Guarantee Claim' stating the nature of the fault and providing evidence of date and source of purchase.
This guarantee is offered to you as an extra benefit, and does not affect your legal rights.

As part of the policy of continuous product improvement Vent-Axia reserves the right to alter specifications without notice.

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1. **GENERAL**
Unpack taking care to note the product model reference on the outside of the carton eg. LuminAir T. The installation details apply to all fan/light units and controllers, but the wiring and functions vary.
2. **SAFETY**
ONLY CONNECT TOGETHER THE PRODUCTS SUPPLIED FROM LUMINAIR RANGE AS THESE ARE SPECIALLY DESIGNED TO OPERATE AT 12V AC AND ARE NOT COMPATIBLE WITH OTHER VENT-AXIA CONTROLLERS. DO NOT CONNECT MORE THAN ONE FAN/LIGHT UNIT TO THE CONTROLLER.
WARNING: Ensure that the mains supply is disconnected before making any electrical connections. All electrical connections should be made by a properly qualified electrician. The siting and installation MUST comply with current IEE Regulations, BS7671 (U.K.) or the appropriate standards in your country.
All regulations and requirements MUST be strictly followed to prevent hazard to life and property, both during and after installation, and while carrying out any subsequent servicing and maintenance.
3. **SITING THE LUMINAIR**
The electrical supply to the LuminAir fan/light is 12V AC SELV from the mains transformer assembly. This allows the LuminAir fan/light to be installed within reach of a person using a fixed bath or shower ie. in the ceiling above. However, direct water spray on to the LuminAir should be avoided as this will reduce the life of the unit.
- 3.2 Site away from direct sources of heat. Do not site in areas containing excessive levels of grease. If the LuminAir is installed in a room containing a fuel burning appliance the installer must ensure that air replacement is adequate for both the fan and the fuel burning appliance (Please refer to fig. 5 for performance details).
- 3.3 **Ducting**
The LuminAir must be ducted to the outside to extract moisture laden air which could cause damage to property. LuminAir Ventilation Kit is supplied with 3 metres of flexible ducting.
4. **SITING THE TRANSFORMER CONTROLLER.**
4.1 THE TRANSFORMER CONTROLLER MUST NOT BE SITED IN A SHOWER CUBICLE OR WITHIN REACH OF A PERSON USING A FIXED BATH OR SHOWER. (ARMS LENGTH = 1.25m).
4.2 Site away from heat. The controller requires free air circulation and must not be covered with any insulating material such as might be in a ceiling or roof void. The controller should be mounted vertically as indicated by an arrow on the controller. Ambient temperature range of both the LuminAir Fan/Light and transformer controller is 0 to 40°C.
4.3 Decide where to mount the LuminAir and its controller and work out the cable runs.
4.4 LuminAir H models
In addition to the above please refer to the fitting and wiring instructions supplied with the SELV electronic humidistat for appropriate siting details.
5. **FITTING THE LUMINAIR FAN/LIGHT**
5.1 Using the template supplied mark and cut the 110mm hole in the ceiling surface where the LuminAir is to be fitted.
5.2 Drill and plug the fixing holes if these are to be used (See 5.4 below).
5.3 Pull the LuminAir Bezel from the main assembly by gripping it firmly around its centre. Do not prise the Bezel from the unit as this may damage its clip fastenings.
5.4 Loosen the two screws on the Lamp Housing until the Securing Clamps allow sufficient clearance to accommodate the ceiling thickness. Position the Securing Clamps against the Lamp Housing and fit the LuminAir through the hole. Retighten the screws to clamp the LuminAir in place.
From the outside cut a 110mm hole in the soffit and secure the soffit grille using the screws recommended.
6. **FITTING THE TRANSFORMER CONTROLLER - LUMINAIR T AND H**
6.1 Break out the desired cable entry opening(s) in the mounting box. Cable entry glands or grommets should be used to ensure that the enclosure retains its integrity against dust and moisture penetration.
6.2 The mounting box should be fixed to the mounting surface using screws compatible with the surface.
6.3 Should be fixed to the mounting surface using screws compatible with the surface.
7. **WIRING THE LUMINAIR AND TRANSFORMER CONTROLLER**
7.1 Ensure that the mains supply is switched OFF before starting any wiring.
7.2 The mains supply should be via a switched spur with a 3A fuse (UK) to provide double pole isolation switch with a contact separation of at least 3mm. The switch should be located outside the room if it contains a fixed bath or shower, or in accordance with mandatory wiring and safety regulations.
7.3 The SELV wiring MUST be with mains voltage rated cable. The SELV wiring should be physically separated and insulated from any mains supply or other cabling. Cut the outer sheathing sheath almost reaches the terminal block. 1.5mm² cable is recommended for cable runs up to 8m. Cable runs over 8m are not recommended.

Vent-Axia
LuminAir VENTILATION KIT

FITTING AND WIRING INSTRUCTIONS

● LuminAir Vent Light ● LuminAir Bend ● LuminAir Axial Fan

● 3 metres of Flexible Ducting when fully extended ● 2 Duct Ties

● Soffit Grille ● Necessary fixings

Fig. 1

LUMINAIR VENTILATION KIT L Transformer controller	LUMINAIR VENTILATION KIT T Transformer controller/Timer	LUMINAIR VENTILATION KIT H Transformer controller Ecotronic SELV 12 Ambient Response Humidity controller
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**Supply voltage to transformer/controller 220-240V/50Hz.
Output to fan 12V SELV/1/50Hz.**

10. WIRING DIAGRAMS

Fig.2 LuminAir L Ventilation Kit - Stock Ref. No. 45 34 10 - White
45 34 11 - Chrome
45 34 12 - Gold

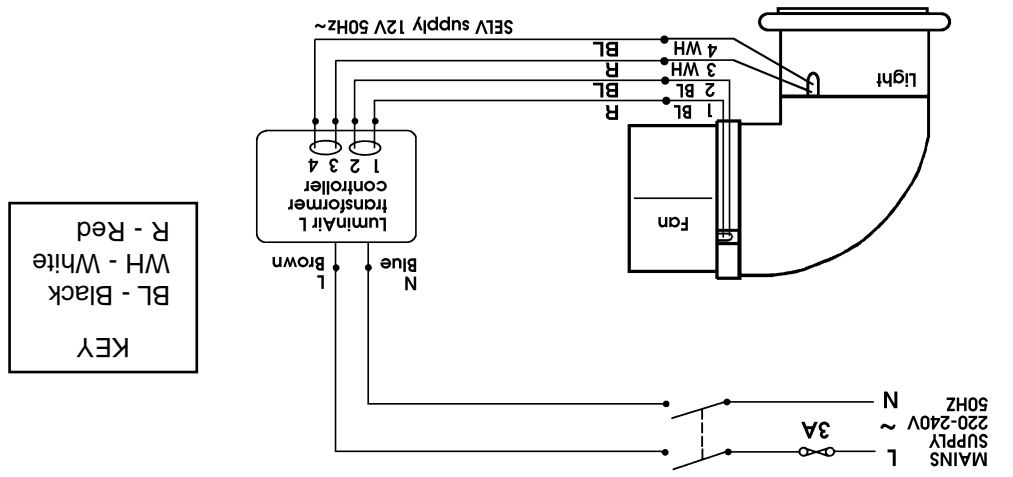


Fig.3 LuminAir T Ventilation Kit - Stock Ref. No. 45 34 13 - White
45 34 14 - Chrome
45 34 15 - Gold

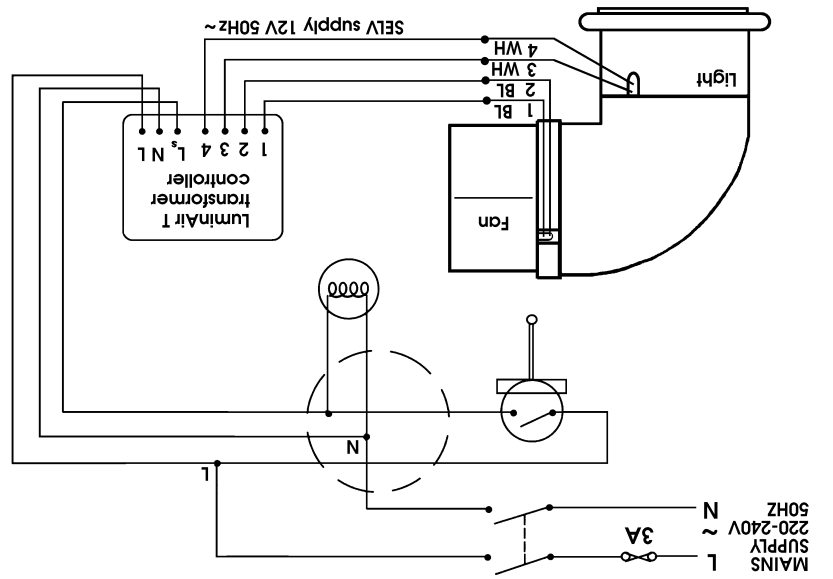


Fig.4 LuminAir H Ventilation Kit - Stock Ref. No. 45 34 16 - White
45 34 17 - Chrome
45 34 18 - Gold

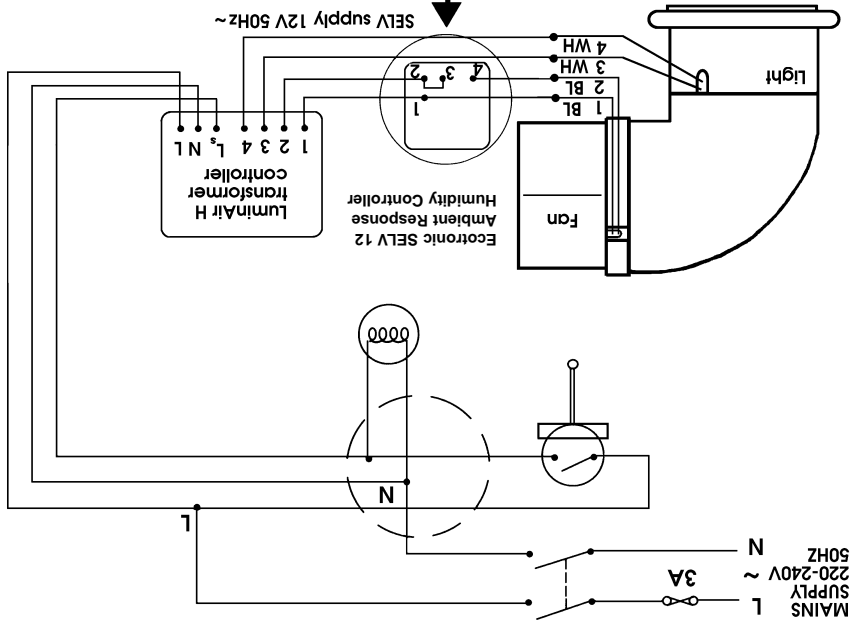


fig. 5 PERFORMANCE

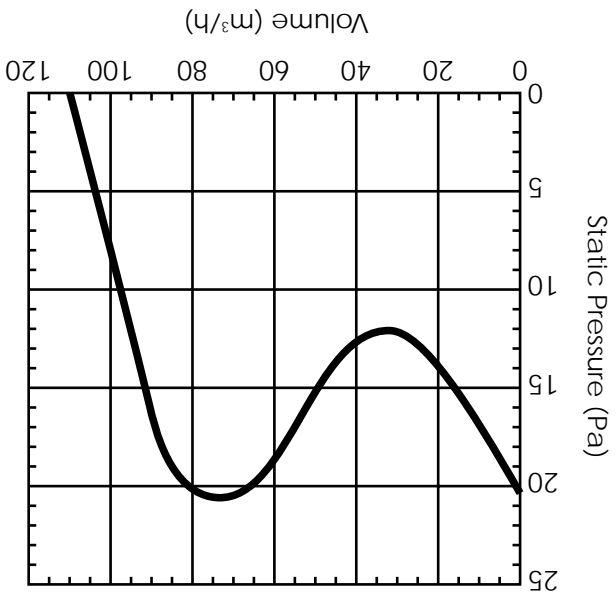


fig. 6 DIMENSIONS

mm	A	B	C	D	E	F
150	192	215	98	103	10	

TEMPLATE FOR MOUNTING VENT-AXIA LUMINAIR

Mounting holes 130mm dia. centres

