

## Installation and Wiring Instructions for the ILVC2 Controller.



**IMPORTANT:**  
READ THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION.

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

- Excess oil or grease laden atmosphere.
- Corrosive or flammable gases, liquids or vapours.
- Ambient temperatures higher than 40°C or less than -5°C.
- Relative humidity above 95%.

### SAFETY AND GUIDANCE NOTES

- All wiring must be in accordance with the current I.E.E. Regulations, or the appropriate standards of your country.
- Ensure that the supply to this controller is 10Vdc.
- The Controller should only be used in conjunction with the appropriate Vent-Axia products.
- It is recommended that the connection to the controller back box be made with flexible cable/conduit.
- This Controller should not be used where it is liable to be subject to direct water spray from hoses etc.

### INSTALLATION.

The Controller is designed to be surface mounted using the back box supplied. The controller uses a 10Vdc supply from the motor of an EC fan. The mains power supply should not be made to the ILVC2 controller.

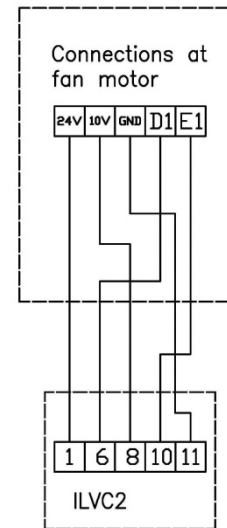
### WIRING INSTRUCTIONS



**WARNING: THE FAN AND CONTROLLER MUST BE ISOLATED FROM THE POWER SUPPLY DURING THE INSTALLATION / MAINTENANCE.**

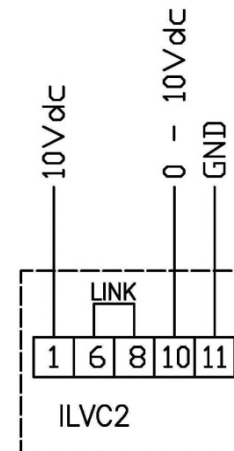
1. Refer to diagrams on the next page for the wiring details.
2. Check that all connections have been made correctly. Ensure that all terminal screws and cable clamps are securely fastened.
3. The cable entry must be made using a suitable grommet or cable gland.
4. Switch the supply on and check the system is operating correctly.
5. Some fans may require a minimum voltage to run and may not start up if the controller is set below that minimum voltage.

**Fig. 1.**  
**ILVC2 CONTROLLER CONNECTED TO AN EKF FAN**



The EKF control connections include a 24V output & D1 input. The D1 input requires 24V for the fan motor to run. This is used to enable the ON/OFF switching through terminals 1 & 6 of the controller.

**Fig. 2.**  
**ILVC2 CONTROLLER CONNECTIONS TO OTHER VENT-AXIA PRODUCTS**



This arrangement takes the 10Vdc input through the ON/OFF switch. The ON/OFF switch does not isolate the fan motor. The link is not supplied with the controller!

If the ON/OFF switch is not required, i.e. when the controller is used for commissioning only, the 10Vdc input should be connected to terminal number 8 and the link omitted.



**Note: THE ON/OFF SWITCH ON THIS CONTROLLER DOES NOT ISOLATE THE FAN MOTOR!**

# ILVC2

## 0 – 10Vdc controller

### Installation and wiring instructions

### 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.

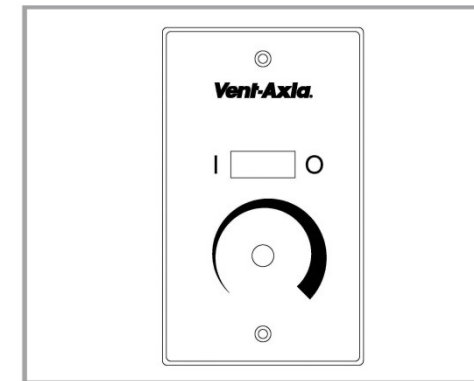
Vent-Axia guarantees its products for two years from date of purchase against faulty material or workmanship. In the event of any part being found to be defective, the product will be repaired, or at the Company's option replaced, without charge, provided that the product:-

- 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.

The guarantee is offered to you as an extra benefit, and does not affect your legal rights



Stock Ref. N<sup>c</sup>

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