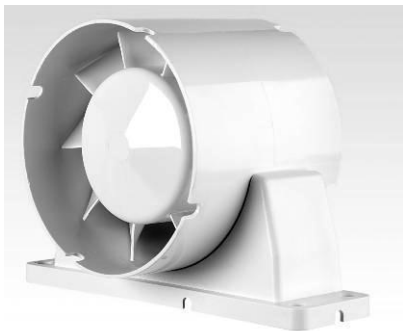


INSTALLATION & OPERATING INSTRUCTIONS



Aura In-Line 100mm Axial Fan

Introduction

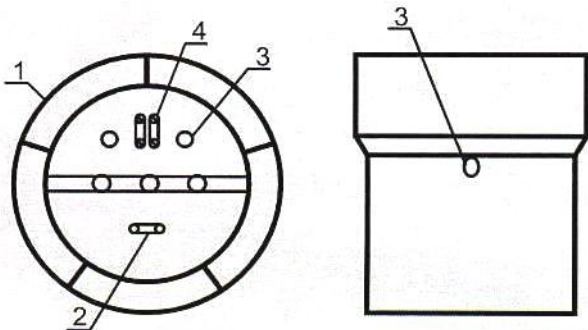
Please read these instructions before commencing installation and retain for householder.

Designation

Fans are designed for the ventilation of domestic and light commercial similar premises (apartments, offices, stores, garages, kitchens, bathrooms, toilets and other rooms, heated in wintertime).

Fans are designed for wall or ceiling mounting. They are designed for a long-duration operation, without disconnection from the mains supply.

The fan design is being constantly improved therefore some models may slightly vary from those described in the present specification.



1. Housing;
2. Clip for power supply cords;
3. Holes for power supply cords;
4. Clamp terminal.

Control options for the fans is given in the table 1

Table 1

Model: AUINL100B	Basic Switching	100mm Axial Fan
Model: AUINL100T	Adjustable Timer 2-30 minutes	100mm Axial Fan

Key features

- Designed for ventilation of small and medium size rooms
- Use for both supply or extraction
- Powerful ventilation up to 108m³/hr
- Compact and quiet in operation
- Fastening bracket
- 230 volt/1ph/50 Hz
- CE, IPX4 rating and double insulated
- Complies with Building Regulations
- Ductable up to 3m
- 3 year warranty

Table 2

	Max Air Flow	Nominal Power (watts)	Noise Level dB(A)
Model: AUINL100B	108	16	39
Model: AUINL100T	108	16	39

Maximum ambient operating temperature 45 °C

These fans do not interfere with Radio, Television or Video equipment.

Dimensions

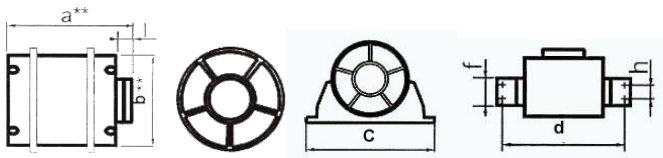


Table 3

	a	b	c	d	e
AUIN100	113	104	160	144	10

Safety requirements

The fan “Aura In-line” complies with the requirements according to the EU norms and directives.

Level of protection from access to hazardous parts and waterproof is to IPX4

Connection of fans supplied with the electric cords to power supply as well as replacement of electric cord should be performed by a competent person (Part P) and in accordance with latest IEE wiring regulations. A 3 amp fused isolator should be fitted.

Fan operation beyond the operational temperature range as well as in rooms with ambient air containing aggressive mixture is prohibited.

Precautions must be taken to avoid the back -flow of gases into the room from the open flue of gas or other fuel-burning appliances.

Attention:

Ensure impeller rotates freely. Do not over tight on ductwork connection to fan spigot.

Precautions must be taken to avoid the back -flow gases into the room from the open flue of gas or other fuel- burning appliances.

Preparation of device operation

Attention:

All work must be carried out with the equipment fully isolated from the power supply. The electrical connection is to be carried out in accordance with the relevant wiring diagram and are only to be done by a certified electrician. The electrical connection must be

fully isolated from the supply up to the final assembly!

All relevant safety regulation, national standards and norms are to be adhered to. An appliance is required for cut off from the supply with a minimum of 3mm contact opening of each pole.

The rated voltage and frequency must correspond with the data on the type plate. The insertion of mains supply cable is carried out via a cable grommet which is included in the delivery. Never lead cable over sharp edges. The equipment corresponds to protection IPX4

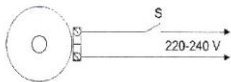


Diagram of connection of fan without built-in switch to circuit, where switch installed externally

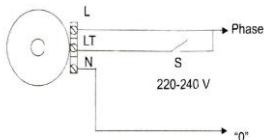


Diagram of connection of fan equipped with timer relay and without built-in switch.

Warranty:

Applicable to units installed and used in the United Kingdom

Airflow guarantees the Aura eco-air for 2 years. The guarantees can be upgraded to 3 years upon registering on our website airflow.com from date of purchase against faulty material or workmanship.

In the event of any defective parts being found, Airflow Developments Ltd reserve the right to repair or at our discretion replace without charge provided that the unit

1.) Has been installed and used in accordance with the fitting and wiring instructions supplied with each unit.
2.) Has not been connected to an unsuitable electrical supply.
3.) Has not been subjected to misuse, neglect or damage.
4.) Has not been modified or repaired by any person not authorised by Airflow Development Ltd
5.) Has been installed in accordance with Building Regulations (IEE wiring regulations).

Airflow Developments shall not be liable for any loss, injury or other consequential damage, in the event of a failure of the equipment or arising from or in connection with the equipment excepting only that nothing in this condition shall be construed as to exclude or restrict liability for negligence .

This warranty does not in any way affect any statutory or other consumer rights

AIRFLOW 

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Cressex Business Park
High Wycombe
Bucks. HP12 3QP. U.K

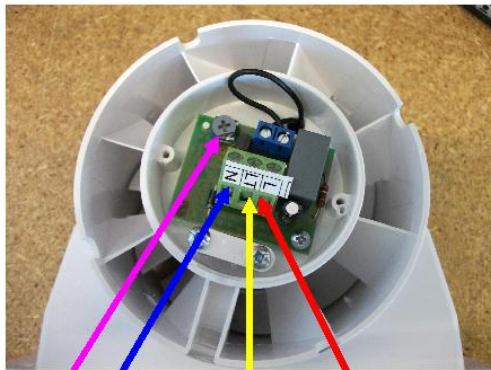
Tel: +44 (0) 1494 525252

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E-mail: info@airflow.com

Web: airflow.com

100T AURA INLINE FAN WITH TIMER



NEUTRAL

SWITCHED LIVE

LIVE

TIMER CLOCKWISE TO INCREASE
ANTI CLOCKWISE TO DECREASE
MINIMUM 2 MINUTES
MAXIMUM 20 MINUTES

3 AMP FUSE REQUIRED
SAME INSTRUCTIONS FOR BOTH

MODEL	PART NUMBER
100 B	9041355
100 T	9041356

MODEL No 9041355 IS BASIC LIVE & NEUTRAL ONLY WITH NO TIMER PCB

Addendum – 10/2016

The Building Regulations 2010, Statutory Instrument Part 9, paragraph 42, imposes a requirement that testing and reporting of mechanical ventilation performance is conducted in accordance with an approved procedure.

Compliance with this requirement by an assessed and registered 'Competent Person' should follow a 'Best Practice' process and adopt air flow measurement, Method A – The Unconditional Method – using a suitable UKAS certified measuring instrument. Generically referred to as a 'Zero Pressure Air Flow Meter' or 'Powered Flow Meter'.

Further information on this method is detailed in NHBC Building Regulations Guidance Note G272a 10/13 and BSRIA 'A Guide to Measuring air flow rates' document BG46/2015