

AIRBUS DC

24/7 HEALTHY VENTILATION

AIRBUS DC INSTRUCTION MANUAL



This image is for reference only and does not depict the exact product you are purchasing. Styles may vary depending on the model.

Instruction Manual - Revision 1.3.4

Models (Including all fascia options):

PVPXDC200, PVPXDC200WHRDLEDR, PVPXDC200WHRDR,
PVPXDC200WHSQLEDR, PVPXDC200WHSQR,
PVPXDC250, PVPXDC250WHRDLEDR, PVPXDC250WHRDR,
PVPXDC250WHSQLEDR, PVPXDC250WHSQR

CAUTION



Read all instructions carefully for safe installation and fan operation.

CONTENTS:

- Technical Data & Dimensions
- Important Safety Instructions
- Mould Reduction Technology
- Electrical Wiring Diagrams
- Installing LED Fascia
- Maintenance & Warranty

THANK YOU FOR PURCHASING

Thank you for purchasing this quality Ventair exhaust fan.
To ensure correct operation and safety, please read all instructions prior
to using the product and keep all instructions for future reference.

IMPORTANT SAFETY INSTRUCTIONS



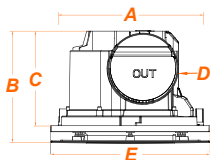
WARNING

For your safety, a licensed electrician must perform all electrical work and ensure a dual pole isolation switch (RCBO) is included in the fixed wiring as per the Australian/New Zealand Wiring Rules (AS/NZS 3000).

TECHNICAL DATA

Model No:	PVPXDC200	PVPXDC250
Rated Voltage	220 - 240VAC 50Hz	220 - 240VAC 50Hz
Power Consumption	4 - 15W	4.5 - 42W
Noise (dB)	22 - 32 dB(A)	23 - 39 dB(A)
Duct Size (mm)	150mm Diameter	150mm Diameter
Air Delivery (m³/h)	80 <small>(24x 7 / low)</small> - 210 <small>(MAX)</small> m ³ /h	80 <small>(24x 7 / low)</small> - 410 <small>(MAX)</small> m ³ /h
LED Power & Lumens	10W - 1050 (rd) 1200 (sq) lm (avg)	14W - 1440 (rd) 1600 (sq) lm (avg)
Colour Temperature	3,000K/4200K/6,500K	3,000K/4200K/6,500K
Minimum Install Depth	220mm	220mm
Recommended Cut Out	240mm	300mm

DIMENSIONS



MODEL	A	B	C	D	E
PVPXDC200	235mm	218mm	190mm	∅ 150mm	268mm
PVPXDC250	291mm	227mm	195mm	∅ 150mm	328mm

IMPORTANT SAFETY INSTRUCTIONS CONTINUED

- 1. Earthed Appliance:** This unit is a header box style fan and is NOT double insulated. It must be earthed. Ensure the earth wire is correctly connected to the terminal block during installation to prevent the risk of electric shock.
- 2. Licensed Electrician Required:** For your safety, all fixed electrical wiring, including the removal of the factory link wire and the connection of the external control switch, must be performed by a licensed electrician.
- 3. DC Technology Warning:** This unit utilises a high-efficiency DC motor. DO NOT connect this fan to any external AC solid-state speed controller or wall dimmer, as these are incompatible with DC electronics and will cause permanent damage to the motor.
- 4. Electronic Sensitivity:** The internal PCB (Printed Circuit Board) is sensitive to voltage fluctuations. Ensure the power supply is stable. The dual pole isolation switch (RCBO) must be used for all maintenance to prevent electronic surges.
- 5. Isolation Warning:** Note that the fan may remain active in "trickle" or "run-on" mode even if the wall switch is turned off; always isolate at the dual pole switch (RCBO) before servicing.
- 6. Supply Cord:** This unit is supplied with a 3-pin plug and flex. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.
- 7. Service Access:** Ensure the fan motor, toggle switch for mode selection, and the integrated speed dial remain accessible for future adjustment. The speed dial is designed for easy access without exposure to live electrical wiring.
- 8. Venting & Mounting:** This fan must be vented to the outdoors. The unit must be securely fixed to a structural member with the lowest moving parts at least 2.3m above floor level.
- 9. Usage & Supervision:** For general ventilation only. DO NOT use to exhaust hazardous or explosive materials and vapours. This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities unless they are supervised.

IMPORTANT CONSIDERATIONS BEFORE INSTALLING:

To ensure maximum possible airflow and performance, flexible ducting should be fully expanded with no unnecessary bends or vertical runs

AVOID THE BELOW DUCT CONFIGURATIONS



(1)



(2)



(3)



(4)



(5)

Standard
24/7 Continuous
10 min Run On



See page 5 for mould
reduction features.

INSTALLATION



ENSURE THE POWER SUPPLY TO THE EXHAUST FAN IS FULLY ISOLATED VIA THE DUAL POLE ISOLATION SWITCH (RCBO) BEFORE CARRYING OUT ANY INSTALLATION.

NOTE: A means for all pole disconnection must be incorporated in the fixed wiring in accordance with the local wiring rules.

Step 1: Preparation – Ensure a 3-pin socket, protected by a dual pole isolation switch (RCBO), and a wall switch are available. If not, a licensed electrician must install them.

Step 2: Cutting – Use the provided template to cut the ceiling hole, ensuring the area behind it is clear of joists or obstructions.

Step 3: Ducting – Attach ducting to the outlet before inserting the fan into the ceiling. Ensure it is fully expanded and aimed at the exit vent.

Step 4: Connections – Plug the fan into the socket. For optional features like '10-minute run-on' or '24/7 trickle', have an electrician connect an active control switch (see page 6).

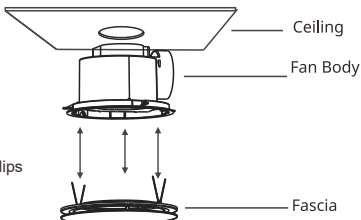
Step 5: Securing – Insert the fan and tighten the fixing arms with a Phillips head screwdriver; do not over-tighten.

Step 6: Testing – Confirm the impeller rotates freely, then switch the fan ON to check for excessive noise or vibration.

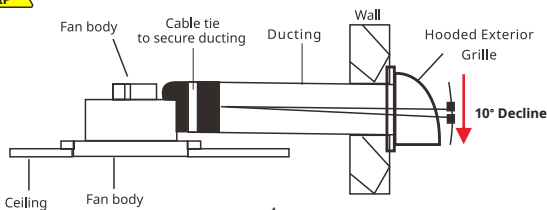
Step 7: Finishing – Squeeze the fascia springs and insert them into the fan body slots to secure the cover.



Fascia Spring Clips



NOTE: When installing the fan in a bathroom, the duct should decline downwards about 10 degrees.



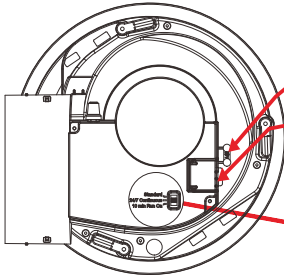
OPERATION

CABLE STRAIN RELIEF CLAMP

It is essential that the cable strain relief clamp is used to properly support the

ADDITIONAL FEATURES TERMINAL BLOCK.

Connect active control switch here for activation of '10 min run on' or '24/7' settings. See wiring diagrams on page 6.



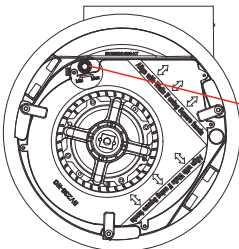
PLEASE NOTE: For activation of '24/7 Continuous' or '10 minute Run On' functions, the toggle switch should be set prior to connecting the power supply.

STANDARD: The default position. The exhaust can simply be turned on and off at the wall switch (not included), just like a standard exhaust fan. No extra wiring is required for this configuration.

10 min Run On: The fan will continue to operate at the selected speed for 10 minutes after the wall switch is turned off. This helps to remove any residual steam, moisture and condensation that can linger after bathing or showering.

24/7 Continuous: The fan will revert to the lowest speed (trickle) whenever the wall switch is turned 'OFF'. This creates a subtle airflow that helps to prevent mould and condensation in the bathroom and promotes a healthier living environment by encouraging air changeover within the home. i.e. stale air will slowly be replaced with fresh air.

The '**Speed Control Dial**' adjusts the airflow volume (and noise level) to suit specific applications or personal preference.



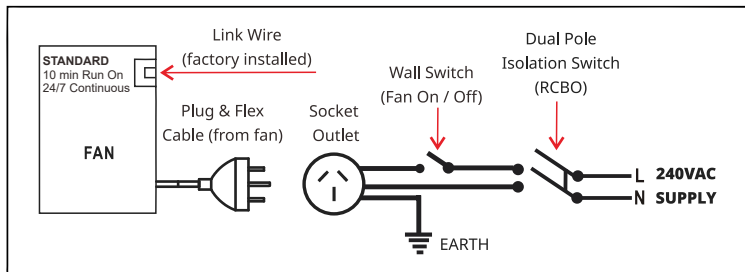
Speed Control Dial
(accessible when fascia removed)



WIRING CONFIGURATIONS

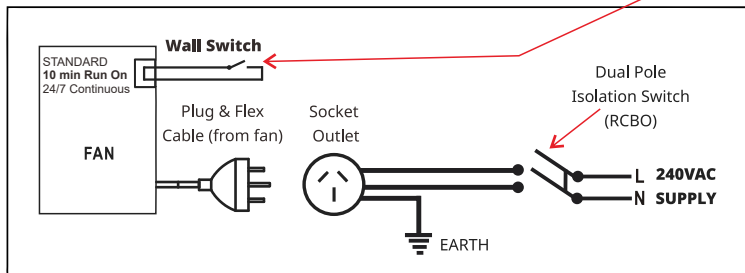
WARNING: For your safety, a licensed electrician must perform all electrical work and ensure a dual pole isolation switch (RCBO) is included in the fixed wiring as per the Australian/New Zealand Wiring Rules (AS/NZS 3000).

Wiring for Standard Operation



Wiring for 10 min Run On or 24/7 Continuous Operation

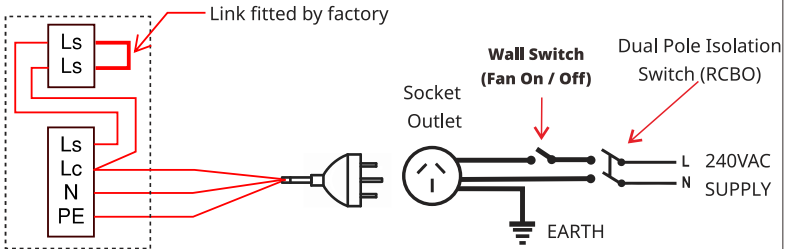
FAN CONTROL SWITCH: In **STANDARD** mode, this switch provides basic ON/OFF control. When the unit is configured for **10-minute Run-on** or **24/7 Continuous (trickle)** operation, turning this switch OFF triggers the selected feature rather than stopping the fan immediately. Refer to page 7 for additional wiring information.



WARNING: To activate '24/7 continuous (trickle)' or '10-minute run-on' features, a **licensed electrician** must connect an active control switch. Before removing the factory-installed link wire from the terminal block, **fully isolate** the power by removing the 3-pin plug or switching off the dual pole isolation switch (RCBO). **NOTE:** This unit utilises an internal loop; a separate Hard Active supply to the control switch is not required. Ensure the switch is suitable for the product's rated power and refer to the diagrams on pages 5 and 7.

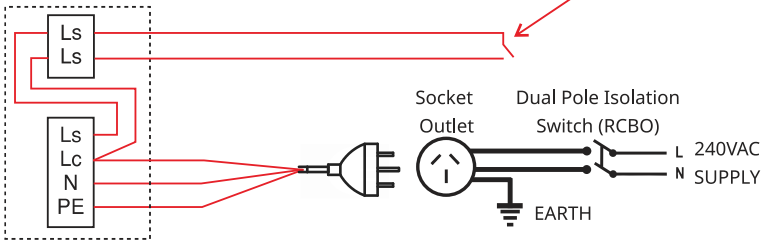
ELECTRICAL WIRING

STANDARD OPERATION





RUN ON TIMER / 24 x 7 CONTINUOUS

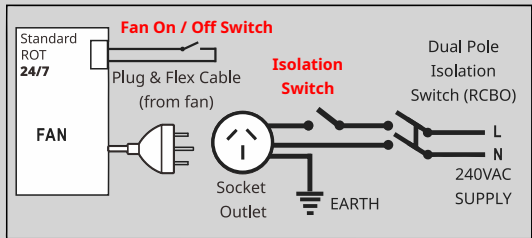
Link wire removed by licensed electrician.
Electrician to run twin-core cable to wall switch (not supplied) to enable ON/OFF control of the fan.



Optional System Isolation

OPTIONAL: A second switch can be installed to act as an isolator for general servicing or deactivating the 24/7 function during extended absences.

-  #1 Isolation Switch
-  #2 Fan On / Off



INSTALLING A LED FASCIA

1. Attach LED driver to the fan body by peeling the backing from the double-sided tape (see diag. 1 for positioning).
2. Plug the Fan and LED driver into a power outlet. Knock out the stamped tab in the motor body and feed the LED output connector through (see diagram 2).
NOTE: A second, separately switched outlet may be used for individual fan and light control.
3. Secure fan body to the ceiling using the clips and screw to tighten.
4. Connect the LED driver & panel plugs, then screw the locking ring to secure them (see diagram 3).
5. Feed LED cable back through the hole so the cables are hidden in the ceiling cavity.

NOTE: TO AVOID OVERHEATING, DO NOT COVER THE LED DRIVER.

Diagram 1

Attach LED driver to fan by removing backing from double sided tape



Diagram 2

Feed connector through hole.



Diagram 3

Connect LED driver and panel plugs, screw locking ring to secure.



LED Driver Tri-colour selector switch (CW/NW/WW)

LED DRIVER



Tri-colour operation: Set the switch on the driver to the desired colour temperature prior to installation.

NOTE: Switch the fan on and check for excessive vibration or abnormal noise before installing the fascia.

Secure the fascia by squeezing the fastening springs together and inserting them into the slots in the fan body. Check the fascia is secured firmly and sitting close to fan body.

MAINTENANCE



WARNING

Failure to follow safety instructions may result in considerable danger to the user

- 1. WARNING: ENSURE THE POWER SUPPLY TO THE EXHAUST FAN IS FULLY ISOLATED VIA THE DUAL POLE ISOLATION SWITCH (RCBO) BEFORE CARRYING OUT ANY MAINTENANCE.**
2. Make sure to use the fan only with the voltage and frequency specified on the rating sticker.
3. Never immerse any part of the fan in water or other liquids.
4. Never use petrol, benzene or any other such chemicals for cleaning the fan.
5. Never allow water to contact the electrical parts such as switch and motor.
6. Never immerse blades or other resin parts in hot water over 60°C.
7. Never install the fan in extremely hot environments.
8. Do not try to open the unit. No user-serviceable parts inside.
9. Repairs should only be carried out by a qualified service technician using original parts.

CLEANING, STORAGE AND DISPOSAL

To clean the unit, use a soft cloth to wipe off any dust.

If you do not plan to use the fan for extended periods of time, it is recommended that it is cleaned and stored (preferably in its original packaging) in a cool, dry place.

Refer all repair needs to a qualified service technician.

For any after sales requirements please refer to enclosed warranty card or contact the Ventair support team via email support@ventair.com.au



Do not dispose of electrical products with household waste. Please check with your local council for advice on disposal or recycling. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

ITEM	WARRANTY PERIOD	IN-HOME WARRANTY
MOTOR	5 years	YES - 2 Years
LED	2 years	N/A

* See supplied warranty card for product support information.



AIRBUS **DC**

24/7 HEALTHY VENTILATION

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