

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 1.3.7

Models (Including all fascia options):

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

IMPORTANT



Please read all instructions carefully before installation and operation to ensure safe fan use. Retain this manual and pass it to the end user for future reference.

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

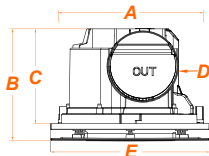


For your safety, all electrical work must be carried out by a licensed electrician. Fixed wiring shall incorporate an all-pole disconnection device in accordance with AS/NZS 3000.

TECHNICAL DATA

Model No:	PVPXDC200	PVPXDC250
Rated Voltage	220 - 240VAC 50Hz	220 - 240VAC 50Hz
Power Consumption	4 - 15W	4.5 - 42W
Noise dB(A)	22 - 32 dB(A)	23 - 39 dB(A)
Duct Size (mm)	150mm Diameter	150mm Diameter
Air Delivery (m³/h)	80 _(24x7 / low) - 210 _(MAX) m ³ /h	80 _(24x7 / low) - 410 _(MAX) 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
Rec. Install Depth	220mm	220mm
Recommended Cut Out	240mm	300mm
IP Rating	IPX4 _(Motor) - IP44 _(LED Fascia)	IPX4 _(Motor) - IP44 _(LED Fascia)
Climate Class	T (Tropical)	T (Tropical)

DIMENSIONS



MODEL	A	B	C	D	E
PVPXDC200	235mm	218mm	190mm	ø150mm	268mm
PVPXDC250	291mm	227mm	195mm	ø150mm	328mm

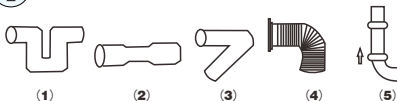
IMPORTANT SAFETY INSTRUCTIONS CONTINUED

- 1. Earthed Appliance:** This appliance must be earthed.
- 2. Licensed Electrician Required:** For your safety, all fixed electrical wiring, including the removal of the factory link wire (where applicable) and 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 speed controller or wall dimmer, as these are incompatible with DC electronics and will cause permanent damage to the motor.
- 4. Isolation Warning:** Note that the fan may remain active in "trickle" or "run-on" mode even if the wall switch is turned off. Ensure the power supply to the fan is isolated via the all-pole isolation device before removing the guard or fascia.
- 5. Supply Cord:** This unit is supplied with a 3-pin plug and flexible supply cord. 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.
- 6. Service Access:** Ensure the speed control dial and mode selection switch remain accessible for future adjustment before final installation. The speed dial is designed for easy access without exposure to live electrical wiring.
- 7. Venting & Mounting:** The fan must be securely installed in the ceiling with the lowest moving parts at least 2.1 m above floor level and vented in accordance with local building regulations.
- 8. Usage & Supervision:** For general ventilation only. DO NOT use to exhaust hazardous or explosive materials and vapours.
- 9.** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- 10. Gas Warning:** 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.

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



Standard
24/7 Continuous
10 min Run On



See page 5 for mould
reduction features.



INSTALLATION

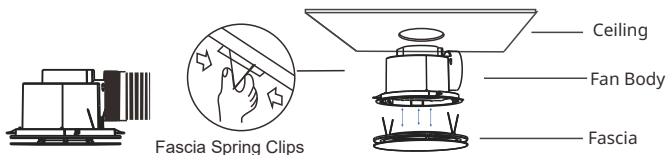
ALWAYS ENSURE THE POWER SUPPLY TO THE EXHAUST FAN IS FULLY ISOLATED VIA AN ALL-POLE ISOLATION SWITCH BEFORE INSTALLATION OR MAINTENANCE.

- Step 1: Preparation** – Ensure a 3-pin socket outlet and wall switch are available. The fixed wiring shall incorporate an all-pole isolation device in accordance with AS/NZS 3000. If these are not already provided, they must be installed by a licensed electrician.
- Step 2: Cutting** – Use the supplied template to cut the ceiling opening, ensuring the area above is free from joists, wiring, pipework and other obstructions.
- Step 3: Ducting** – Attach the duct securely to the fan 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 3-pin socket outlet. 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 by hand before switching on the power. Once powered, turn the fan ON and check for any excessive noise or vibration.
- Step 7: Finishing** – Squeeze the fascia springs and insert them fully into the fan body slots until the fascia is securely retained.

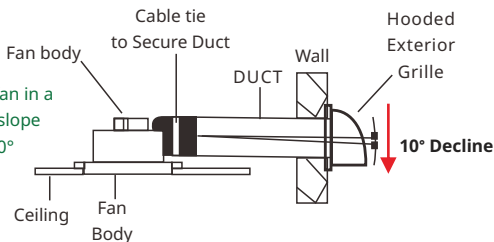


Minimum Installation Clearances

Sides and ends of unit: A clearance of 50 mm from all surrounding building structures and materials must be maintained. Failure to maintain this clearance will restrict heat dissipation and may result in overheating, reduced product service life, or product failure.



NOTE: When installing the fan in a bathroom, the duct should slope downward approximately 10° towards the external grille.



OPERATION

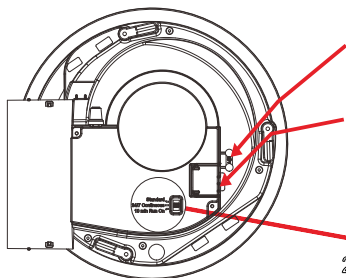


WARNING: CABLE STRAIN RELIEF CLAMP

The cable strain relief clamp must be fitted to secure the supply cord and prevent strain on the electrical connections.

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.



Standard
24/7 Continuous
10 min Run On



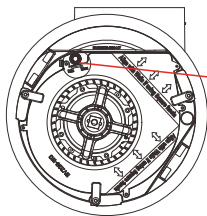
PLEASE NOTE: Before mounting the unit and connecting power, set the toggle switch to the desired operating mode ('Standard', '10-minute Run-on' or '24/7 Continuous'), as the switch cannot be accessed after installation.

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 or moisture that can linger after bathing or showering.

24/7 Continuous: When the wall switch is turned 'OFF', the fan reverts to continuous low speed (trickle). This provides ongoing background ventilation to assist in reducing condensation and mould, while encouraging air changeover within the home.

Speed Dial: The speed control dial adjusts the airflow rate (and noise level) to suit specific applications or personal preference.



Speed Control Dial
(accessible when fascia removed)



WIRING CONFIGURATIONS

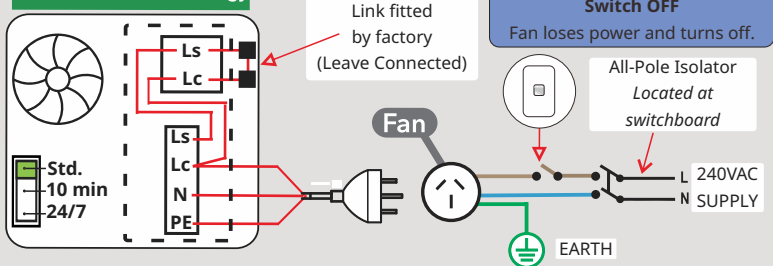


WARNING: all electrical work must be carried out by a licensed electrician.
Isolate the power supply using the all-pole isolation device before commencing any wiring work.

Wiring for Standard Operation

FAN CONTROL SWITCH: In STANDARD mode, this switch turns power to the plug base **on** or **off**.

Mould Reduction Technology



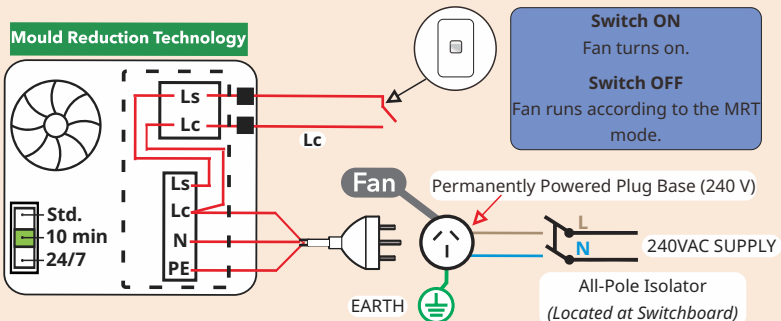
Wiring for 10-Minute Run-on or 24/7 Continuous Operation

POWER SUPPLY: Rewire the existing switched socket outlet to provide a permanent 240 V supply to the fan's standard 3-pin plug. The socket outlet must remain permanently powered.

WALL SWITCH: Remove the link wire from the fan terminal block and connect the existing wall switch to the fan terminal block in place of the link wire, using twin-core cable.

MOULD REDUCTION FEATURES: When the wall switch is turned OFF, the fan does not stop immediately. Instead, the selected 10-minute Run-on or 24/7 Continuous mode activates.

Mould Reduction Technology



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 their respective power outlets. 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 the fan body to the ceiling using the fixing arms and tighten the screws evenly.
4. Connect the LED driver & panel plugs, then screw the locking ring to secure them (see diagram 3). Feed LED cable back through the hole so cables are hidden in the ceiling cavity.

WARNING: To avoid overheating, do not cover the LED driver with insulation or other materials.

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



i **Tri-colour LED Selection:** Set the switch on the driver to the desired colour temperature prior to installation.



NOTE: Before installing the fascia, switch the fan ON and check for excessive vibration or abnormal noise.

Secure the fascia by squeezing the fastening springs together and inserting them into the slots in the fan body. Check that the fascia is securely fitted and sits flush against the fan body.

MAINTENANCE



WARNING

Failure to follow these safety instructions may result in injury, electric shock or property damage.



WARNING: ENSURE THE POWER SUPPLY TO THE EXHAUST FAN IS FULLY ISOLATED VIA THE ALL-POLE ISOLATION SWITCH BEFORE CARRYING OUT ANY MAINTENANCE.

1. Operate the fan only at the voltage and frequency specified on the rating label.
2. Never immerse any part of the fan in water or other liquids.
3. Never use petrol, benzene or any other such chemicals for cleaning the fan.
4. Never allow water to contact the electrical parts such as switch and motor.
5. Never immerse the impeller or other plastic components in water hotter than 60°C.
6. Do not install the fan in ambient conditions outside its specified operating limits.
7. Do not disassemble the unit. There are no user-serviceable parts inside.
8. Repairs must only be carried out by qualified service personnel using original replacement 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.

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