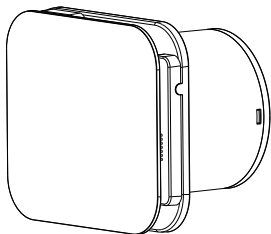


EDGE DC

DC Wall / Ceiling Exhaust Fan

INSTALLATION & OPERATING INSTRUCTIONS



MODEL:
EDGEDC100
EDGEDC150

Read these instructions carefully before installing and operating this appliance

INTRODUCTION

The Edge DC is a versatile exhaust fan featuring Ventair's advanced mould reduction technology. Before installation, please confirm the correct size and model was received, the rating label matches your electrical supply, and inspect for shipping damage. Contact your supplier immediately if damage is found. **Do not operate the unit if damaged.**

MOULD REDUCTION TECHNOLOGY



Tired of dampness and worried about mould? This product features Ventair's advanced Mould Reduction Technology to help you maintain a dry and healthy home. Choose the ideal setting for your needs: **Standard** - Powerful, On Demand Extraction provides immediate and effective removal of moisture. Alternatively, the built-in **10-minute run-on timer** continues to effectively clear lingering moisture after you've switched it off. For continuous protection, the **24/7 Trickle** mode delivers a gentle, constant airflow when the main switch is off, ensuring a healthier home environment by constantly replacing stale, damp air with fresh air.

MODE SELECTION

MODE SWITCH



Standard

Simply turn on or off as required.



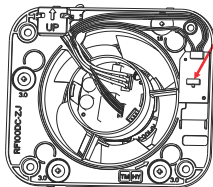
24/7 Continuous Trickle Extraction

Creates a healthier living environment by encouraging constant air change.



10 minute Run On Timer

Continues to operate for 10 minutes after switching off.



** See page 10 for wiring instructions*

PRECAUTIONS



**Please read this manual carefully before operating this fan.
Injury or even death can occur if these instructions are not followed!**

- Exhaust fans may adversely affect the safe operation of appliances burning gas or other fuels (including those in other rooms) due to back flow of combustion gases. These gases can potentially result in carbon monoxide poisoning. After installation
- of an exhaust fan such as a partition fan or a duct fan the operation of flued gas appliances should be tested by a competent person to ensure that back flow of
- combustion gases does not occur.

Remove packing and make sure that the appliance is undamaged.

If in doubt do not operate the appliance and contact our service center.

- Immediately contact a qualified person (authorised dealer or the manufacturer) if the product is dropped or knocked to check it's functioning correctly.
- This appliance must only be used for the purpose it was built for, e.g. air exhaustion
- for domestic and similar purposes.
- Do not leave parts of the packaging within reach of children or incompetent persons. To dispose of the packaging and the appliance at the end of its useful life refer to the recycling norms in force in your country. The
- device can be installed on the wall or ceiling. Air evacuation will be done, either directly outside, or in the existing central ventilation duct of the building. The installation must be performed by a qualified electrician.
- The means of disconnection from the mains SUPPLY must have a contact
- separation in all poles and must provide full disconnection under over voltage
- category III conditions.
- In the case of malfunction, anomaly or any type of fault, isolate the appliance from the electrical main supply and contact a qualified person.
- Use only original spare parts for repairs.
- Damage can be caused to the device if the instructions are not followed!
- This product is to be installed a minimum of 2.3m above the floor and must only be connected to a mains supply if the voltage and the frequency corresponds to that written on the rating label.
- This appliance must not be used to activate water heaters, room heaters, etc.



Class T (double insulated) electrical appliance

- Do not touch the appliance with wet or damp parts of the body (e.g. hands or feet).
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- To avoid the risk of fire, do not use the product in the presence of inflammable substances or vapours such as alcohol, insecticides, gasoline, etc.
- Store the device out of the reach of children and persons with reduced physical, sensory, or mental capabilities when it is disconnected from the power source and no longer in use.
- If a sealed chamber fuel-powered device (such as a water heater or gas boiler) is present in the room where this product will be installed, ensure that the room has enough air re-circulation for proper combustion in all fuel-powered devices. Therefore, take precautions to prevent the backflow of gases into the room from the open flue of any gas or other fuel-burning appliances.

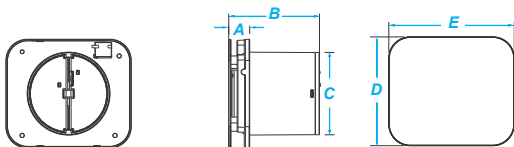


ATTENTION: This symbol indicates that precautions that must be taken to avoid damage to the device.

- Do not modify this device in any way.
- Do not allow the product to be exposed to atmospheric agents (rain, sun, snow, etc.).
- Possible product applications are indicated in the attached illustrations.
- Do not immerse the device or relative parts in water or liquids, except where indicated in the cleaning and maintenance section.
- The air or fumes being extracted must be clean and free from greasy particles, soot, chemical and corrosive agents, inflammable or explosive mixes.
- Do not obstruct the air inlet and outlet of the appliance in any way whatsoever. When using ducting make sure that it is not blocked or obstructed.

- For optimal appliance performance, adequate air re-circulation within the room is essential. Please consult local regulations regarding this requirement.
 - In the case of malfunction, anomaly or any type of fault, isolate the appliance from the electrical mains supply and contact a qualified person.
 - Use only original spare parts for repairs.
 - The device must be installed by a qualified electrician.
 - The electrical system to which the device is connected to must comply with the applicable standards.
 - The device is double insulated and therefore does not need to be earthed.
 - Do not operate the fan if a cable or plug is damaged, after a malfunction or if it has been dropped or damaged in any way.
 - The electrical power source/plug to which the device must be connected must be able to provide the maximum electrical power required by the device.
If it can't, contact an electrician to make the necessary changes before proceeding.
- NOTE:** A means for all pole disconnection must be incorporated in the fixed
- wiring in accordance with the local wiring rules.
 - The distance between the switch contacts must be at least 3mm.
 - Switch off the appliance using the main switch:
 - a)** if the device does not work properly.
 - b)** before cleaning the casing of the device.
 - c)** if the device is not to be used for a long period of time.
 - To ensure the unit functions adequately, the room must have a sufficient source of fresh air. Additionally, if the room contains an unsealed combustion-based appliance like a water heater or gas stove, the replacement air must be enough for all devices to operate efficiently together.
 - The device must discharge directly outdoors, through a short pipe (maximum length of 400 mm to ensure the optimal performance).
 - If the device is installed in pipelines subject to high levels of pressure, significant losses will occur.
 - The device cannot be used to control the water heaters, room heaters, etc. nor must it be connected to the hot air ducts used by other appliances.
 - Install the appliance so that the rotor cannot be accessible from the air outlet side. If this is not possible, a protection system must be installed.

Model No:	EDGEDC100	EDGEDC150
Rated Voltage	220 - 240VAC 50Hz	220 - 240VAC 50Hz
Power Consumption	2 - 7 W	2 - 14 W
Noise (dB) @3m	30 - 38dB(A)	24 - 40dB(A)
Duct Size	100mm Diameter	150mm Diameter
Air Delivery	50 - 85 m ³ /h	90 - 230 m ³ /h
Min. Install Depth	123mm	139mm
IP Rating	IPX4	IPX4



MODEL	A	B	C	D	E
EDGEDC100	25	109	100	130	150
EDGEDC150	34	119	148	180	210

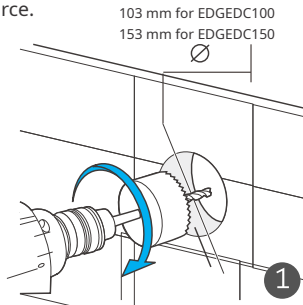
INSTALLATION



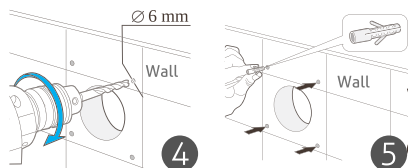
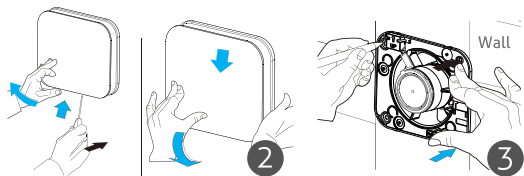
ATTENTION: This device must be installed by a qualified electrician.

A. WALL INSTALLATION

1. Always ensure the supply voltage matches the voltage indicated on the device label before connecting it to the power source.
2. Drill a hole in the wall matching the diameter of your fan's outlet. Before drilling, ensure there are no cables or pipes inside the wall. The hole should have a slight downward angle towards the outside for condensation to drain.

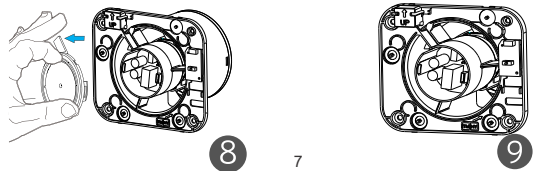
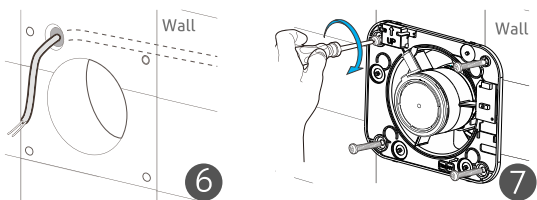


3. Remove the front cover of the fan, place the fan on the wall and mark the four fixing points and where the cable enters the fan case, then drill the screw holes into the wall.

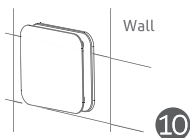


4. Bring the cable from the switch to the unit.

5. Pull the power cable to the fan, then fix the device in a stable position.

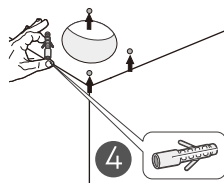
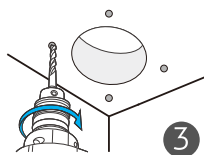
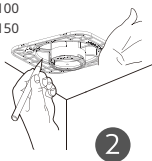
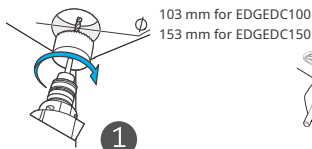


6. Then fix the front panel and the outside grille (outside grille not included).

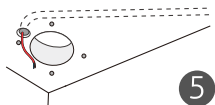


B. CEILING INSTALLATION

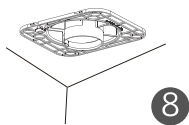
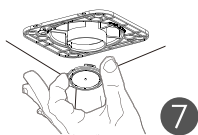
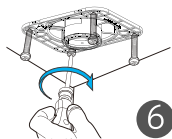
1. Choose the mounting location and make a hole in the ceiling with a diameter corresponding to the size of the outlet of your fan model



2. Remove the front panel of the fan, bring the power cable from the switch to the unit.

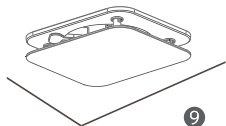


3. Pass the power cord through the hole provided and fix the unit in a stable position.



4. When installing in a ceiling, ensure air is discharged outdoors (referencing local regulations is advised), rather than into the space between the false ceiling and the main ceiling. Utilise flexible ducting and an exterior hooded or gravity shutter grille (not included) on the external wall.

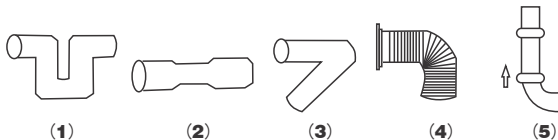
NOTE: If the unit is mounted on the piping (not included), it is necessary to install this piping in such a way as to avoid the entry of gases from gas-burning appliances or other fuel-burning appliances into the room.



AVOID THE BELOW DUCT CONFIGURATIONS

Vertical Runs, bends and kinks will reduce airflow

Duct should decline downwards about 10 degrees to aid condensation removal



ELECTRICAL WIRING

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

Connect a **220-240VAC** supply into the 'additional features' terminal block to enable the toggle switch functions (see page 10 for additional information).

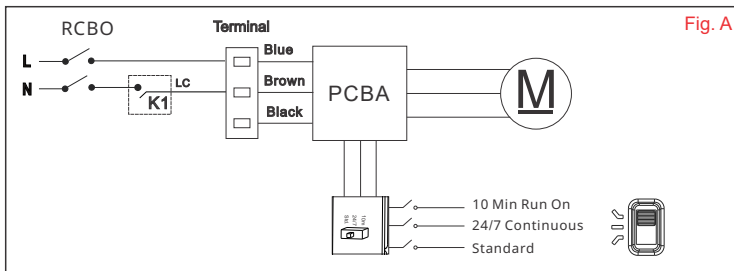
This fan is a double insulated (class II) product and does not need to be earthed.

L - Active
N - Neutral

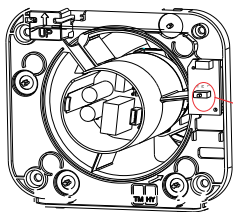
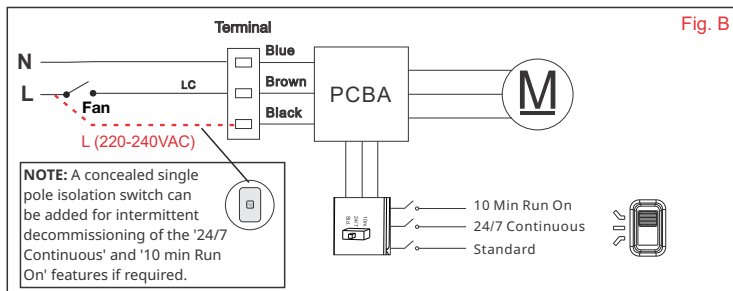


The connectors are located to ensure the IPX4 rating is maintained. The fan is to be supplied with voltage by means of a 2 conductor-cable of minimum 1mm section each.

Wiring for Standard Operation

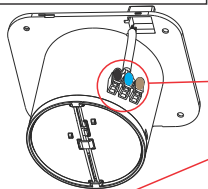


Wiring for 10 min Run on or 24/7 Continuous Operation



10 Min Run On
24/7 Continuous
Standard

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



ENABLING TOGGLE SWITCH FUNCTIONS

For activation of the '10 min run on' or '24/7' features, a **220-240VAC** supply to the **Black wire** is required. See 'Fig. B'.

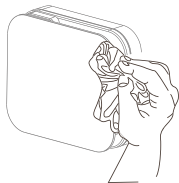
Black	Permanent active for additional features
Blue	Fan Neutral
Brown	Fan Active

ISSUE	
The unit does not switch on.	There is no power supply. Check the main switch and/or electrical connections.
The impeller does not work.	<p>Check the device. This device is equipped with a manual reset protection system that in the event of a mechanical obstruction in the rotation will switch off the engine.</p> <p>To restore normal operation, proceed as follows:</p> <ul style="list-style-type: none"> • disconnect the device from the mains; • remove the cause of the mechanical obstruction (only qualified personnel); • reconnect the device to the mains. <p>The device will only resume normal operation if the protection system does not detect any additional faults. If the fault persists, contact the customer support service.</p>

6. MAINTENANCE & SERVICE

Before carrying out any maintenance, ensure the device is disconnected from the mains power supply.

1. Wipe down the device using a damp soapy cloth only. Do not allow water to come into contact with any electrical part, such as the motor.
2. Never use petrol, benzene, thinner or any other such chemicals for cleaning the ventilating fan.
3. Do not place hot objects near or install nearby hot appliances.



Instructions subject to change without notice.

WARRANTY:

Ventair provides a Three (3) Year Limited Warranty covering defects in materials and workmanship under normal use for the Edge DC Exhaust Fan from the original date of purchase.

Please refer to the separate Warranty Card included with this product for complete details, including full terms, conditions, exclusions and how to make a claim. Should you have any questions, please see Ventair contact information below.

Lodging a Warranty Claim: All warranty claims are lodged online by visiting <https://ventair.com.au/warranty/>

Your Rights Under Australian Consumer Law:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits to the consumer under this warranty are in addition to other rights and remedies of the consumer under the Australian Consumer Law.



4 CAPITAL PLACE,
CARRUM DOWNS, VIC, 3201

PHONE: (03) 9775 0556
support@ventair.com.au
<https://ventair.com.au>