



FAN1481 **EDGE DC Premium Wall Fan**
150mm

FAN1480 **EDGE DC Premium Wall Fan**
100mm

The Edge DC is a versatile exhaust fan featuring selectable 24/7 continuous, 10 minute run on timer or standard mode, to maintain a fresh and healthy room. All 3 installation modes are controlled to boost from a wired wall switch (not included).

Thank you for purchasing this quality exhaust fan.

To ensure correct function and safety, please read all instructions before using the product and keep all instructions for future reference.



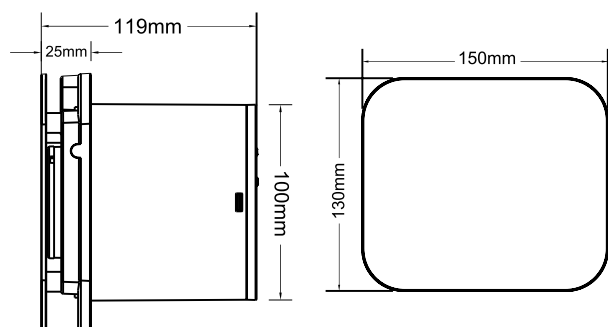
WHEN USING ELECTRICAL APPLIANCES, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK AND PERSONAL INJURY.



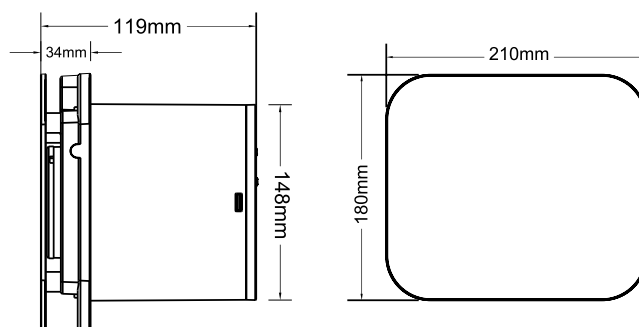
TECHNICAL DATA

Order Code	Duct (mm)	Modes	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching
					(l/s)	(m3/hr)				
FAN1480	100	Continuous (24/7)	2	20	14	50	0.14	30	White Square	Standard Wired Wall Switch
		Standard	2-7	20-31	14-24	50-85	0.14-0.29	30-38		
FAN1481	150	Continuous (24/7)	2	16	25	90	0.08	24	White Square	Standard Wired Wall Switch
		Standard	2-14	16-48	25-64	90-230	0.08-0.22	24-40		

FAN1480



FAN1481





PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING THIS FAN. INJURY OR EVEN DEATH CAN OCCUR IF THESE INSTRUCTIONS ARE NOT FOLLOWED!



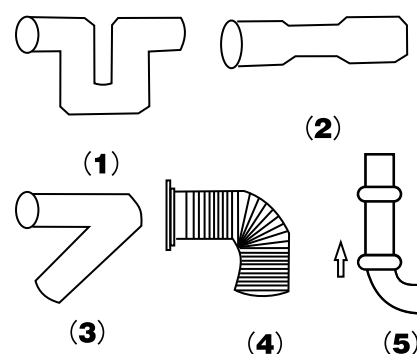
PRECAUTIONS

- 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.
- 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.
- 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.
- Vertical Runs, bends and kinks will reduce airflow Duct should decline downwards about 10 degrees to aid condensation removal.

Avoid The Below Duct Configurations



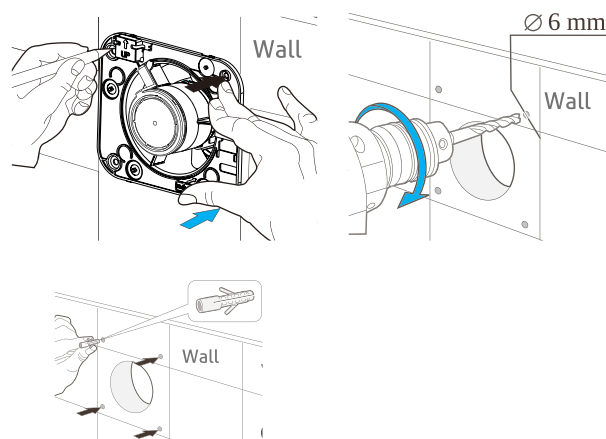
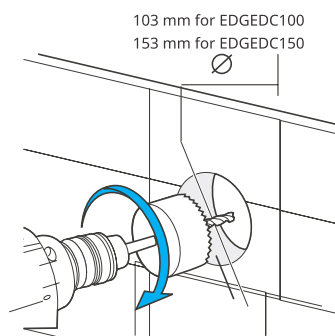
INSTALLATION



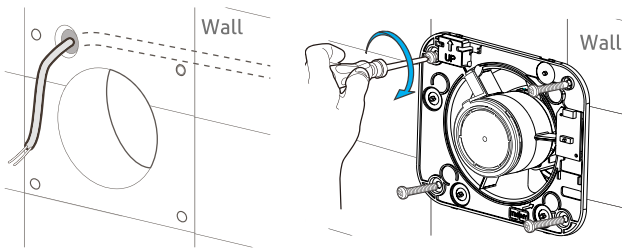
ALL ELECTRICAL WORK MUST BE COMPLETED BY A LICENSED ELECTRICIAN.



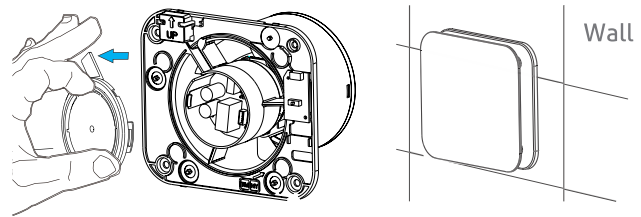
1. Always ensure the supply voltage matches the voltage indicated on the device label before connecting it to the power source.
2. Drill a hole in the wall matching the diameter of your fan's outlet. Before drilling, ensure there are no cables or pipes inside the wall. The hole should have a slight downward 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. Then fix the front panel and the outside grille (outside grille not included).

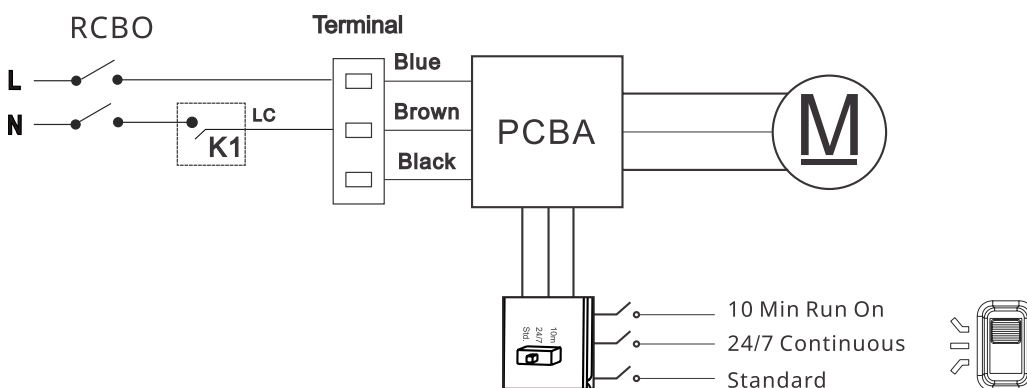


ELECTRICAL WIRING

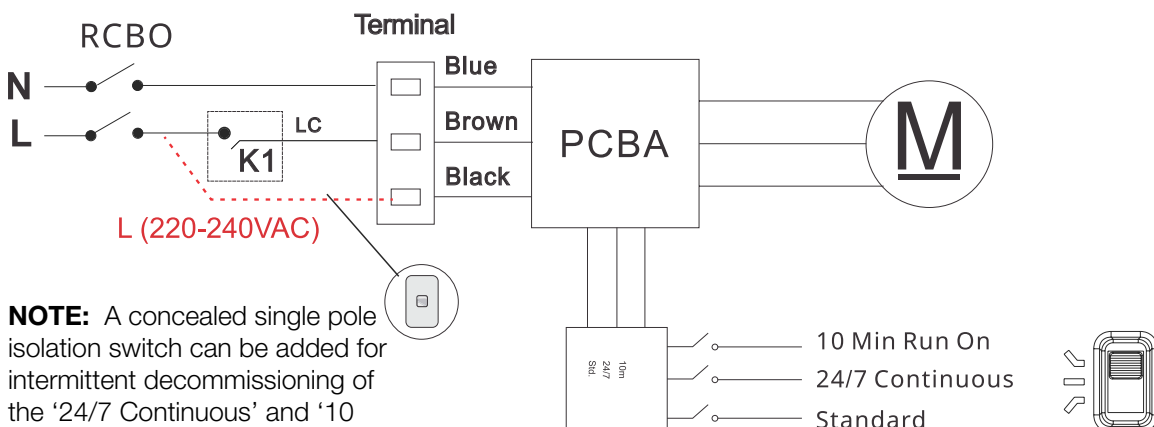
- For activation of '24/7 Continuous' or '10min Run On' functions, the mode switch should be set prior to connecting the power supply.
- Connect a supply into the 'additional features' terminal block to enable 220-240VAC the toggle switch functions (see page 10 for additional information).
- The connectors 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.
- This fan is a double insulated (class II) product and does not need to be earthed.



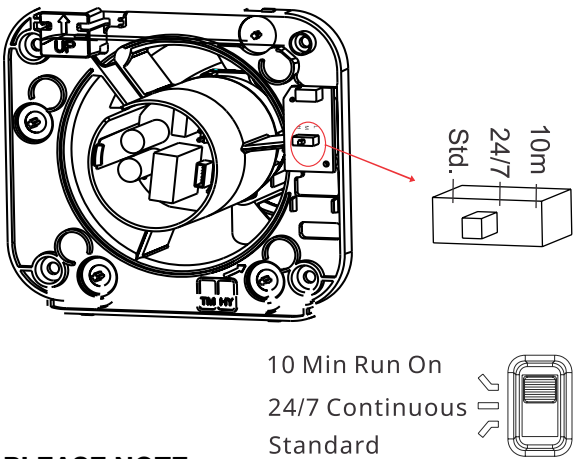
Wiring for Standard Operation (Fig. A)



Wiring for 10 min Run on or 24/7 Continuous Operation (Fig. B)

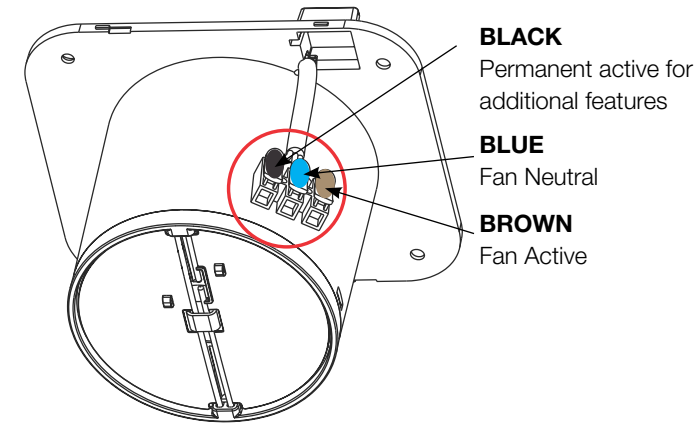


NOTE: A concealed single pole isolation switch can be added for intermittent decommissioning of the '24/7 Continuous' and '10 min Run On' features if required.



PLEASE NOTE:

For activation of '24/7 Continuous' or '10 min Run On' functions, the connecting the power supply.



Enabling Toggle Switch Functions

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

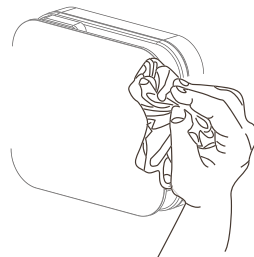
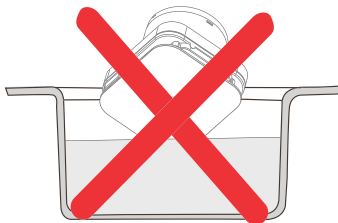
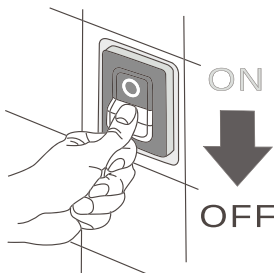
TROUBLESHOOTING

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.	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. To restore normal operation, proceed as follows: • disconnect the device from the mains; • remove the cause of the mechanical obstruction (only qualified personnel); • reconnect the device to the mains. 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.

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.



Simx Warranty Information



In this warranty:

We means Simx;

You means the consumer of the Goods

Supplier means the authorised distributor or retailer that sold you the Goods in New Zealand or Australia;

and Goods means the Simx product accompanied by this warranty and purchased in New Zealand or Australia.

The benefits provided to you under the following warranty are in addition to any other rights and remedies available to you under the law:

1. If, during the time from the date of purchase (Warranty Period), there is a defect in the Goods due to improper workmanship or material, we will replace or repair the Goods without charge. Any replacement product is warranted only for the time remaining on the original Warranty Period.
2. We are not obliged to replace or repair the Goods under clause 1 if the Goods have been improperly stored, installed, connected, used, operated, repaired, damaged, abused, tampered with, altered (without our written approval), or not maintained in accordance with our recommended installation, connection and operating instructions.
3. We exclude liability for:
 - a) consequential loss or any other loss or damage caused to property or persons arising from any cause whatsoever;
 - b) damage to consumable items such as lamps and starters; and
 - c) damage arising from normal wear and tear.
4. In order to claim under this warranty you must, within the Warranty Period, return the Goods to the Supplier, together with the original proof of purchase including the details below:

Supplier Name _____

Date of Purchase _____

Model Number _____

Invoice/Receipt No. _____

5. This warranty does not cover the cost of claiming under the warranty or transporting the Goods to and from the Supplier.

Our Goods come with guarantees that cannot be excluded under the New Zealand and Australian Consumer Law.

You are entitled to a replacement or refund for a major failure and for 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.

To speak to someone about your Simx product or claiming under this warranty, please contact:

Simx Ltd New Zealand

p: +64 9 259 1660

www.simx.co.nz