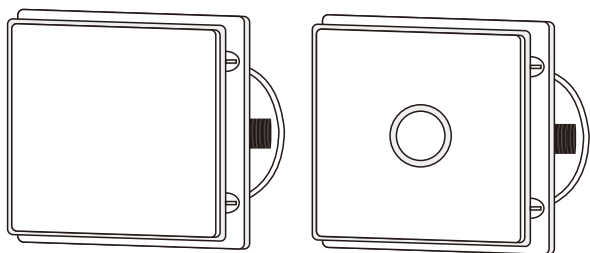


# INSTRUCTIONS BATHROOM EXTRACTOR FAN



Please read this manual carefully before operate this fan

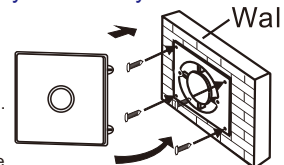
## LOCATION & INSTALLATION

1. Assure the fans location to be as high as possible, Min. Height is not less than 2.3m from the ground.
2. Assure the fans to be installed opposite the main sources of air-replacement with at least 30mm from the corner of wall and ceiling.
3. Assure the fans to be mounted as close to the sources of steam or odours as possible, but far enough away from anyone using a bath or shower so as not to be touched.
4. If the fans are to be installed in a room with a gas fire, wall heater etc with a non-balance flue, it is the installer's responsibility to ensure enough replacement air is available so that no air is drawn back through the fan.
5. All the fans are to be mounted in different nations, please refer to the local building regulations carefully.
6. 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.
7. If the supply cord is damaged, it must be replaced by a suitably qualified person in order to avoid a hazard.
8. All poles disconnection switch that provided full disconnection under over voltage category III conditions must be incorporated in the fixed wiring in accordance with the wiring rules.

**Warning: Must switch off the mains supply before any installation.**

## WALL INSTALLATION

1. Ensure to choose right voltage shown in the label before connecting with power source.
2. Cut an appropriate size hole in the wall, ensure there are no cables or pipes buried in the wall when cutting. The internal and internal wall flush, allow the ducting to slope slightly to the external wall, this will allow drainage of any ingress from rains etc. make good the hole with mortar and allow to set before continuing with the installation.
3. Remove the front cover of fan and position the fans against the wall and mark the four fixing points and cable entry, then to drill to suit.
4. Bring the cable to the unit via a double pole switch with a minimum 3mm separate on all poles.
5. Bring the main cable through the cable entry and fix the fan body into position.
6. Fix the front cover and external shutter (External shutter not supplied).

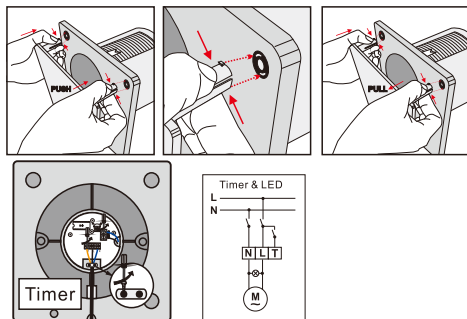
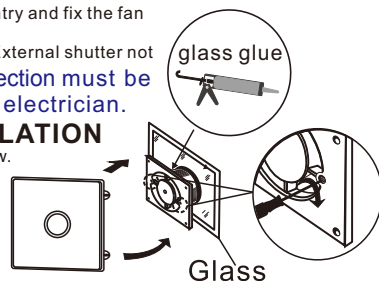


5. Bring the main cable through the cable entry and fix the fan body into position.
6. Fix the front cover and external shutter (External shutter not supplied).

**NOTICE: Wiring connection must be carried by a qualified electrician.**

## GLASS-WINDOW INSTALLATION

1. Cut an appropriate size hole in the window.
2. Bring the cable to the unit via a double pole switch with a minimum 3mm separate on all poles.
3. Use the glass to fix fan body, then rotate the screw of the fan to the right so that the clamp can clamp glass, the fan will be firmly mounted in glass.



**NOTICE: Installation and removal the front panel of fan**

## CEILING INSTALLATION

1. Position a suitable location for the fan and cut a flush hole in ceiling to size.
2. Remove the front cover of fan follow the step 5(Wall installation)the main cable to the unit and bring the main cable to the unit.
3. Pass the main cable through the cable entry and fix the unit into position using suitable fixings (the fixings not supplied), if the fan is to be fixed to interior ceiling, please use the 2 quick fits to fit the fan into ceiling, the said 2 quick fits are fitted into the two sides of the fan body with screws.
4. Ceiling mounted units must be ventilated to the outside using a flexible ducting and external backdraft shutter. Do not vent the appliance into the ceiling or loft space.

## WIRING

The fans are double in suited and do not need earth wire.

1. For partition fans, pre-cautions must be taken to avoid and back-flow of gases into the room from open flue gas fire or other appliances.
2. L---connecting to the live.
3. N---connecting to the neutral.
4. T ---connecting the light live or switched live (Timer and Hygro units)

## MAINTENANCE CAUTIONS

1. Make sure the fan is switched off before cleaning.
2. Never allow to use petrol, benzene or any other chemicals to clean the fan.
3. Never allow the water to contact the electrical parts such as switch, motor.
4. Never allow to immerse the blades of other resin parts of fan in hot water over 60°C.

## PERFORMANCES

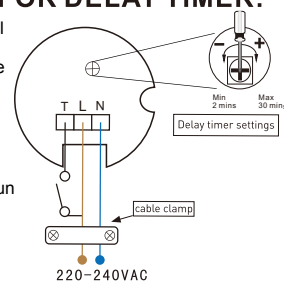
MODEL	VOLTAGE (V/Hz)	SPEED (r.p.m)	AIR-FLOW (CBM/h)	POWER (W)	SIZE (inch)
Size :100mm	220-240~.50	2200	90	15	4

## THE CONNECTION AND USE FOR DELAY TIMER:

1. When the appliance is switched on the delay timer will be activated. The fan will start within 3-5 seconds. When the fan is switched off the delay timer will cause the fan to run for a further 2-30 minutes.
2. If the appliance remains switched on the fan will continue to run.

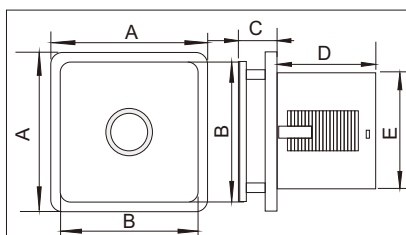
### Delayed time setting:

1. Turn the timer dial clockwise and the run time will be longer. Turning the dial anti-clockwise will make the run time shorter.
2. The time delay can be set between 2 and 30 minutes.
3. Usually the time delay will be set at 2 minutes by the factory.



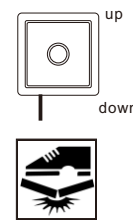
## CAUTION

1. Please read carefully the instruction manual before installation.
2. Installation work and electrical wiring must be done by a qualified electrical person(s).
3. Check the plug and power cord regularly for wear and damage. In case of fault, please report this to a qualified electrician.
4. Children should be supervised in order to ensure they don't play with the machine.
5. The appliance must be not used by single child, or the person who is Disabilities, sensory or mental illness, or lack of experience.
6. The appliance must be installed at a height over 2.3m to the ground.



## OUTER DIMENSION(mm)

Model	A	B	C	D	E
4" models	158	150	39	81	100



This product must not be disposed together with the domestic waste. This product has to be disposed at an authorized place for recycling of electrical and electric appliances. By collecting and recycling waste, you help to save natural resources, and make sure the products is disposed in an environmental friendly and healthy way.

**WARNING: This product must be installed by a qualified electrician.**

**NOTICE: THE MANUFACTURER RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT PRIOR NOTICE.**