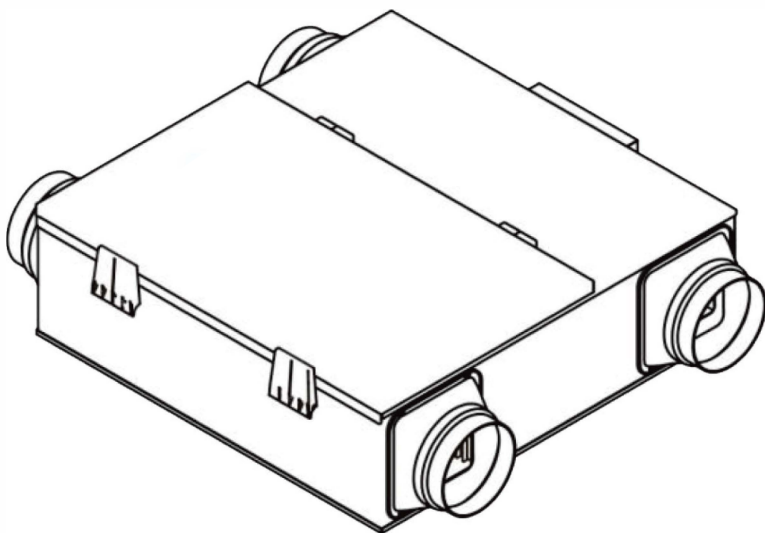


INSTRUCTION MANUAL

ENERGY RECOVERY VENTILATOR





Thank you for choosing this Energy Recovery Ventilator. Please read the instructions and warnings carefully before use to ensure safe and satisfactory operation of this product. It is important to keep this instruction leaflet with the product for future reference. These warnings have been provided in the interest of safety. You **MUST** read them carefully before using the appliance. If you are unsure of the meanings of these warnings, contact supplier. or the branch from which you have purchased the appliance.

FOR YOUR SAFETY

1. Make sure to choose the correct voltage before connecting to the power supply.
2. The wire must be as per the certified and approved specifications.
3. After connection, do not use your hands to adjust anything within the ventilation fan.
4. The ventilation fan must not be installed in places exposed to any acids, alkaline, or explosive gases of any sort.
5. The yellow-green wire must be properly earthed.
6. The complete installation must only be carried out by a qualified electrician.
7. This appliance must not be used by people are physically or mentally unfit. Children must also be kept away from this product.
8. The fuse outlet and ventilation fan isolators must be used as specified by local regulations. All wiring must be in accordance with the standards specified by local authorities.

MAINTENANCE

To reduce the risk of hazards such as fire, electrical shocks, or injury to persons, please observe the following:

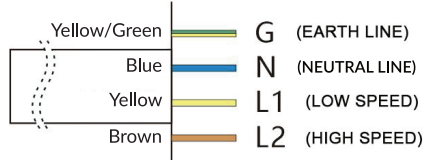
1. Maintenance is to be performed only by qualified technicians in accordance with local codes and regulations.
2. Before servicing or cleaning the product, switch off the power at the service panel and lock the service panel to prevent the power from being switched on accidentally.
3. Routine maintenance is required to keep this product operating at peak performance and efficiency. Over time, the housing, air intake filter, blower wheels, and motor(s) will accumulate a buildup of dust, debris, and other residue.
4. Failure to keep these components clean will lower operational efficiency and performance, and also reduce the product's lifespan. The required time between cleanings depends on the product, location, and daily usage hours. On average, under normal usage conditions, the product should require a thorough cleaning every six (6) months.

CLEANING THE PRODUCT

To clean the product, follow the steps listed below:

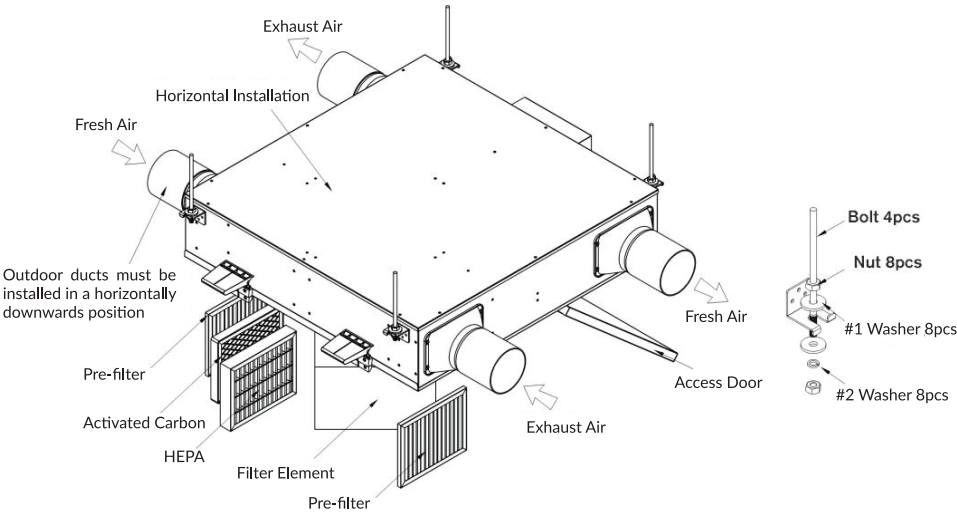
1. Verify that the product has been disconnected from the power source.
2. Use a damp cloth, and a mild soap solution in warm water or a biodegradable degreaser, to wipe down the exterior components of the housing.
3. Remove the air intake duct(s) and the air intake filter(s) by removing the screws on the face of the air intake grille(s) or filter(s) in order to access the product's interior.
4. Thoroughly clean the air intake grille(s) or replace the filter(s).
5. Thoroughly wipe down the motor, blower wheels, and blower wheel housings. Be careful to not spray the motor with a water hose.
6. The motor(s) require no additional lubrication. They are permanently lubricated and feature double sealed ball bearings.
7. To reinstall the product, reverse the procedures listed above.
8. Reconnect the product to the power source.
9. Contact the manufacturer should there be any questions pertaining to the maintenance of the product.

WIRING SCHEMATIC



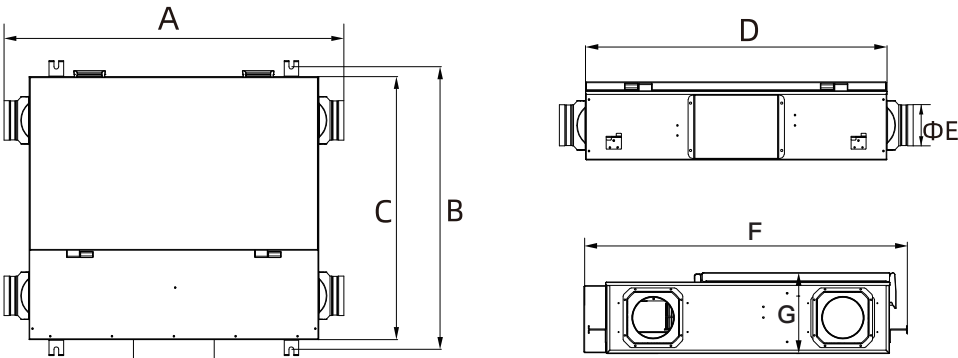
Note: L1 and L2 cannot be connected parallel to each other.

IIINSTALLATION GUIDE OVERVIEW



*Some models may come with 3-1 HEPA filter pack. Please check with your local distributor.

VENTILATOR SCHEMATIC



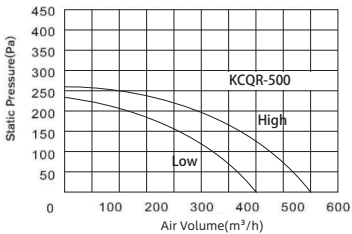
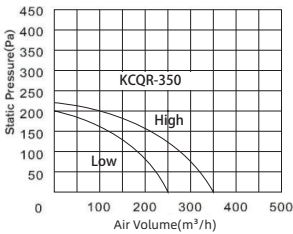
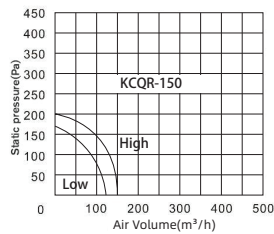
unit: mm

Model	A	B	C	D	ΦE	F	G
KCQR-150	867	854	779	746	100	816	222
KCQR-350	893	854	779	746	150	816	252
KCQR-500	885	854	779	746	200	816	282

SPECIFICATIONS

Model	Voltage	Speed	Power	Air Volume	Static Pressure	Exchange Efficiency		Enthalpy Exchange Rate		Noise
						Cooling	Heating	Cooling	Heating	
KCQR- 150	220V- 50Hz	High	100W	150m³ / h	200Pa	63%	78%	64%	68%	37dB
		Low	76W	120m³ / h	170Pa	65%	79%	66%	73%	35dB
KCQR- 350	220V- 50Hz	High	200W	350m³ / h	230Pa	62%	78%	61%	67%	41dB
		Low	160W	250m³ / h	200Pa	66%	81%	65%	68%	39dB
KCQR- 500	220V- 50Hz	High	230W	550m³ / h	255Pa	61%	70%	64%	69%	42dB
		Low	177W	400m³ / h	240Pa	59%	72%	65%	69%	40dB

Remarks: The noise value has the tolerance range of +5dB to -7dB



FRESH AIR INTELLIGENT CONTROLLER

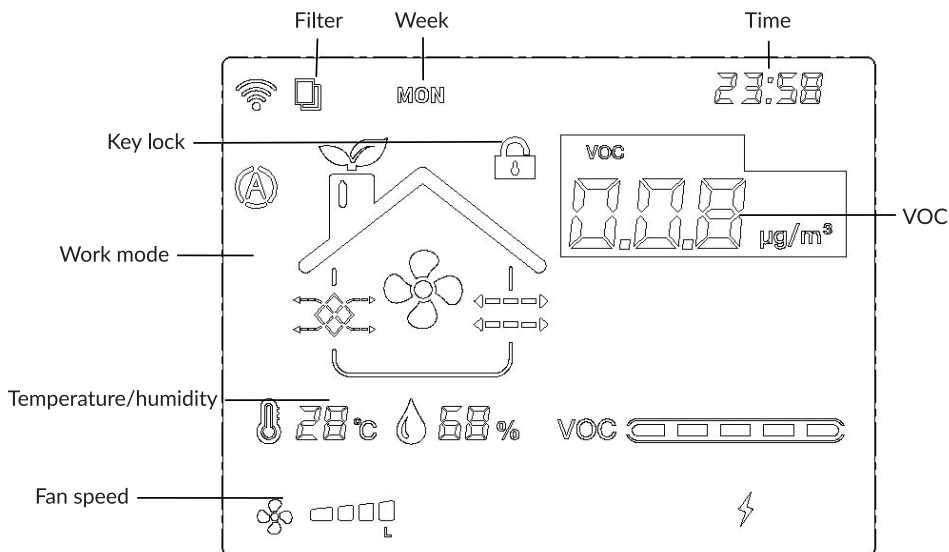
1. Introduction:

AireGard intelligent controller (G5) uses touch key technology, which is flexible and convenient to operate. The built-in sensor of the controller can monitor indoor temperature, humidity, PM2.5 and PM10 concentration in real time. The output signal of the controller directly controls the start up and speed of the fan. It can be widely used in residential, commercial and industrial applications, and can effectively improve air quality, create a healthy, comfortable, energy-efficient living and working environment.

2. Buttons' function:

1.  Button: power on/off
2.  Button: parameter up key
3.  Button: parameter down key
4.  Button: Inner loop key
5.  Button: Switch work mode
6.  Button: Set clock and timing parameters

3. Display:



4. Specification

1. Power on and off: press the key  to turn on or off, all outputs are turned off and the display is turned off in the off state
2. Press the key  to switch the working mode: short press once, the working mode is cyclically switched between "auto-manual-timing-sleep", each time the key is pressed, a working state is switched

3. Timing parameter setting: long press the ⌚ key and work mode key to run, short press ⌚ button to switch the week, hour, and minute, and the corresponding parameter will flash; short press 📖 button enters the hour setting of Monday time slot, next short press ⌚ button switches the hour, minute, and wind speed, and the value is modified by the ▲ and ▼ buttons; after the setting is completed, short press the Enter button to proceed Tuesday time slot setting..., switch the week, hour, and minute by the short button, you can set 4 segments a day from Monday to Sunday, a total of 28 periods. In the timing mode, the user can set the air speed of the fan, and adjust the air speed with ▲ or ▼ button. ; If the button is not operated for more than 10 seconds during the setting process, the controller will automatically return to the normal working state and save the setting parameters.

• **Note:** This timing function sets the air speed for the time point

Example: Set Monday

1st section 8:00 Low

2nd section 12:00 mid-range

3rd section 20:00 high grade

4th section 23:00 stop

According to the above logic, our timing mode is to set a time point, set the fan operating status within the time point range, and so on to the next time point, the relationship between each time period is "to" (1 to 2 is low wind, and so on).

4. Adjust the air speed in manual mode with ▲ or ▼
5. In manual mode, long press ▲ or ▼ button to display the real-time clock position to display the working time (hours) of the filter. When the working time of the filter exceeds the maximum running time of the filter, the icon 🔄 of the filter flashes to prompt the user to replace or clean the filter.
6. In the automatic mode, press and hold the key ▲ or ▼ for 2 seconds to enter the VOC concentration setting state; display the set value and flash, modify the value through the ▲ or ▼ keys, the current VOC concentration value is lower than the set value, the fan stops running, and when it is higher than the set value 0-1ug/m3 fan runs at low speed, when it is higher than the set value 1-2ug/m3 fan runs at medium speed, when it is higher than the set value 2ug/m3 fan runs at high speed.
7. Press and hold the key 🔒 and key ⚙ simultaneously to lock the key, the icon 🔒 lights up. Unlock key press and hold them again at the same time
8. Controller with Wifi Network: scan below Wifi QR Code and download the app, then sign up according to instructions. Long press 📖 button to set up network(📶 blinks frequently), then click "+" button at top right corner to add devices-home appliance-air purifier, it can use app to remotely control after successfully connected(📶 lights on all the time)

CONTROLLER SPECIFICATION

Dimension: 86×86×40mm

Fixing hole distance: 60mm(standard)

Wiring terminal: max 2.5mm 2 wire

Rated voltage: AC220V 50Hz

Standby Power: ≤2.0 W

Control power: ≤200 W

Output interface: 2 Speeds

Temperature display range: 0℃ --- 50℃

Operating temperature: -10℃ --- +50℃

Operating humidity: 5%RH---90%RH

Storage temperature: -10℃ --- +60℃

Storage humidity: ≤60%RH



Download app for smart control

WIRING & INSTALLATION DIAGRAM

