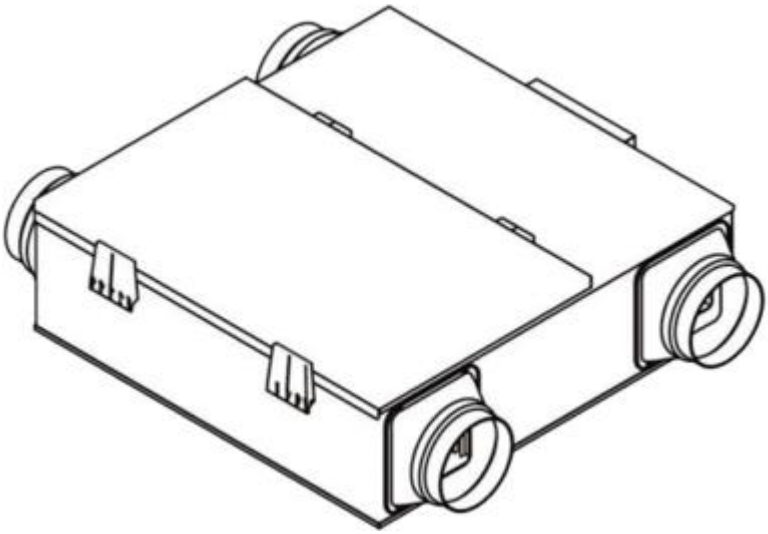
INSTRUCTION MANUAL

ENERGY RECOVERY VENTILATOR



Thank you for choosing the InAir 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 these warnings, contact InAir.

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 quailed electrician.
7. This appliance must not be used by people who are physically or mentally unfit. Children must 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:

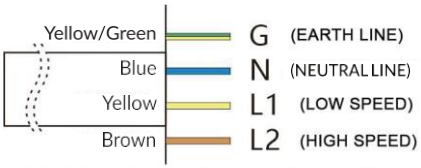
1. Maintenance is to be performed by only qualified technicians in accordance with local codes and regulations.
2. Before servicing or cleaning the product, switch off the power at the service panel and lock the service panel to prevent the power from being switched on accidentally.
3. Routine maintenance 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 build-up of dust, debris and other residue.
4. Failure to keep these components clean will lower operational efficiency and performance, and also reduce the products 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 months.

CLEANING THE PRODUCT

To clean the product, follow the steps listed below:

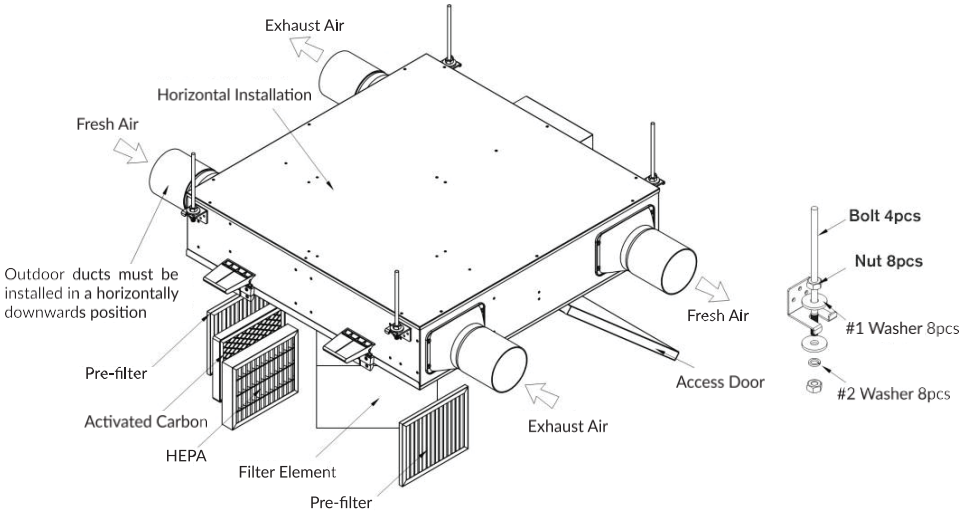
1. Verify that the product has been disconnected from the power source.
2. Use a damp cloth, and a mild soap solution in warm water or a biodegradable degreaser, to wipe down the exterior components of the housing.
3. Remove the air intake duct(s) and the air intake filter(s) by removing the screws on the face of the air intake grille(s) or filter(s) in order to access the products 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 not to spray the motor with a water hose.
6. The motor(s) require no additional lubrication. They are permanently lubrication and featured double sealed ball bearings.
7. To reinstall the product, reverse the procedures as 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



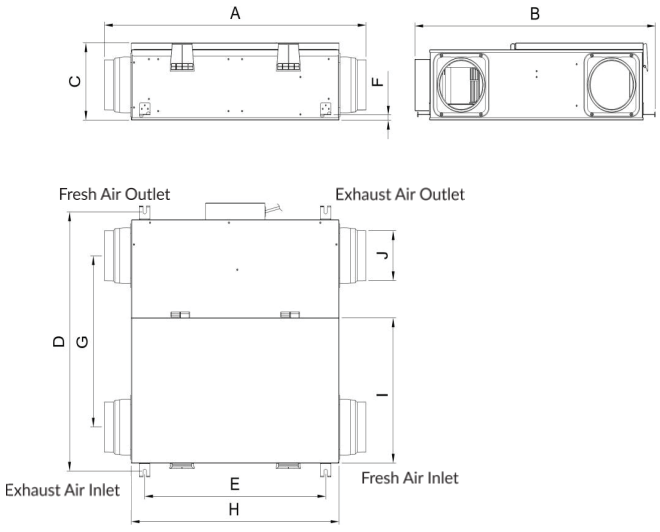
Note: L1 and L2 cannot be connected parallel to each other.

IINSTALLATION GUIDE OVERVIEW



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

VENTILATOR SCHEMATIC



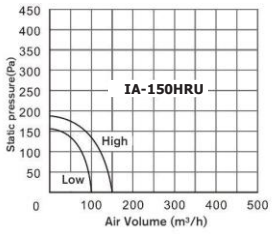
unit: mm

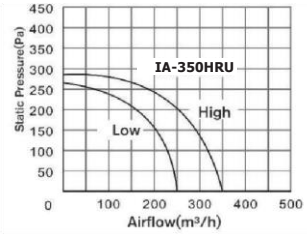
Model	A	B	C	D	ΦE
IA-150HRU	684	141	715	62	100
IA-350HRU	684	200	715	75	150
IA-550HRU	684	250	715	64	200

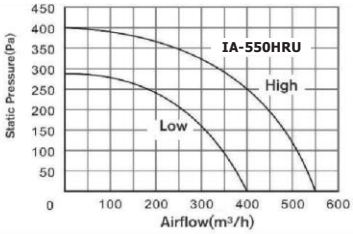
SPECIFICATIONS

Model	Voltage	Speed	Power	Air Volume	Static Pressure	Exchange Efficiency		Enthalpy Exchange Rate		Noise
						Cooling	Heating	Cooling	Heating	
IA-150HRU	220V~50Hz	High	70W	150m³/h	195Pa	64%	78%	65%	69%	38dB
		Low	60W	100m³/h	155Pa	65%	79%	64%	73%	36dB
IA-350HRU	220V~50Hz	High	160W	350m³/h	285Pa	50%	77%	59%	68%	42dB
		Low	140W	250m³/h	270Pa	65%	81%	64%	68%	40dB
IA-550HRU	220V~50Hz	High	200W	550m³/h	300Pa	56%	70%	56%	66%	43dB
		Low	180W	400m³/h	280Pa	60%	71%	58%	67%	41dB

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







FRESH AIR INTELLIGENT CONTROLLER

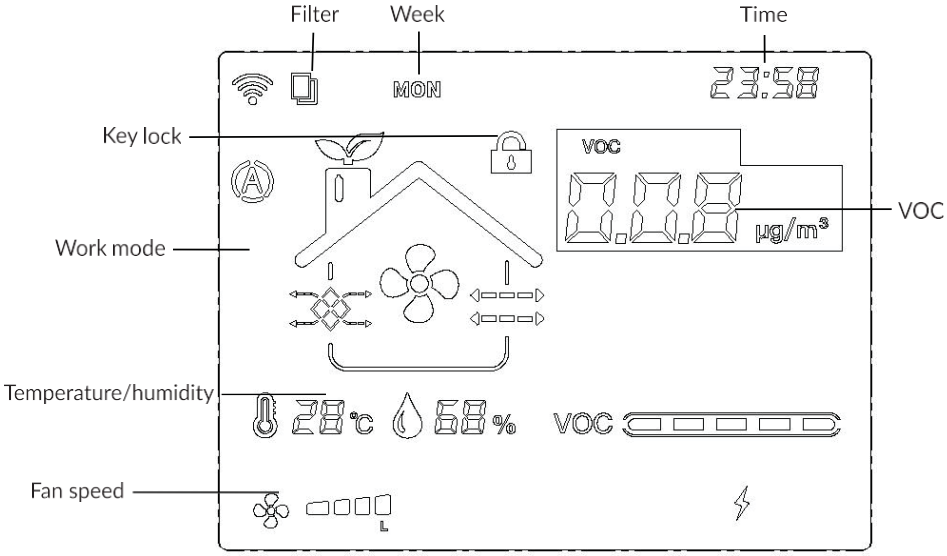
1. Introduction:

The InAir intelligent controller (G5) uses touch key technology which is flexible and convenient to operate. The built-in sensor 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