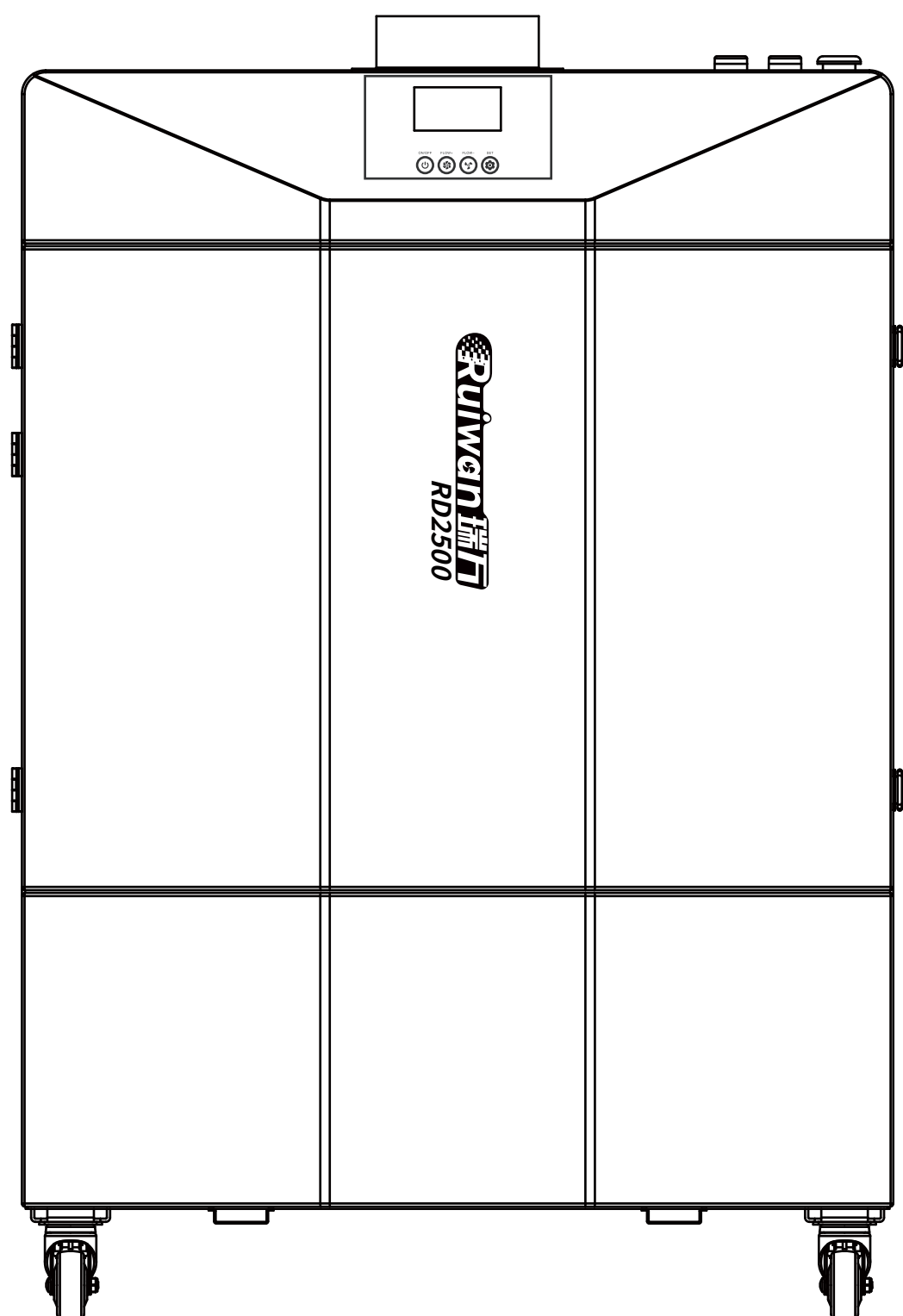




Fume Odour Extractor

RD2500

Instruction Manual



Thank you for purchasing our fume and odour extractor.
Please read this manual carefully
before use and keep it properly for future reference.

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SPECIFICATIONS

Series	RD2500(single port)	RD2500(double port)
Voltage	AC110/220V 50Hz	AC110/220V 50Hz
Power	2200W	2200W
Air volume	2800m³/h	2x1400m³/h
Negative pressure	4500Pa	4500Pa
Filtration	0.3µm 99.7%	0.3µm 99.7%
Size	L805xW535xH1200mm	L805xW535xH1200mm
Weight	160kg	160kg
Size of flange	φ150mm	2xφ150mm

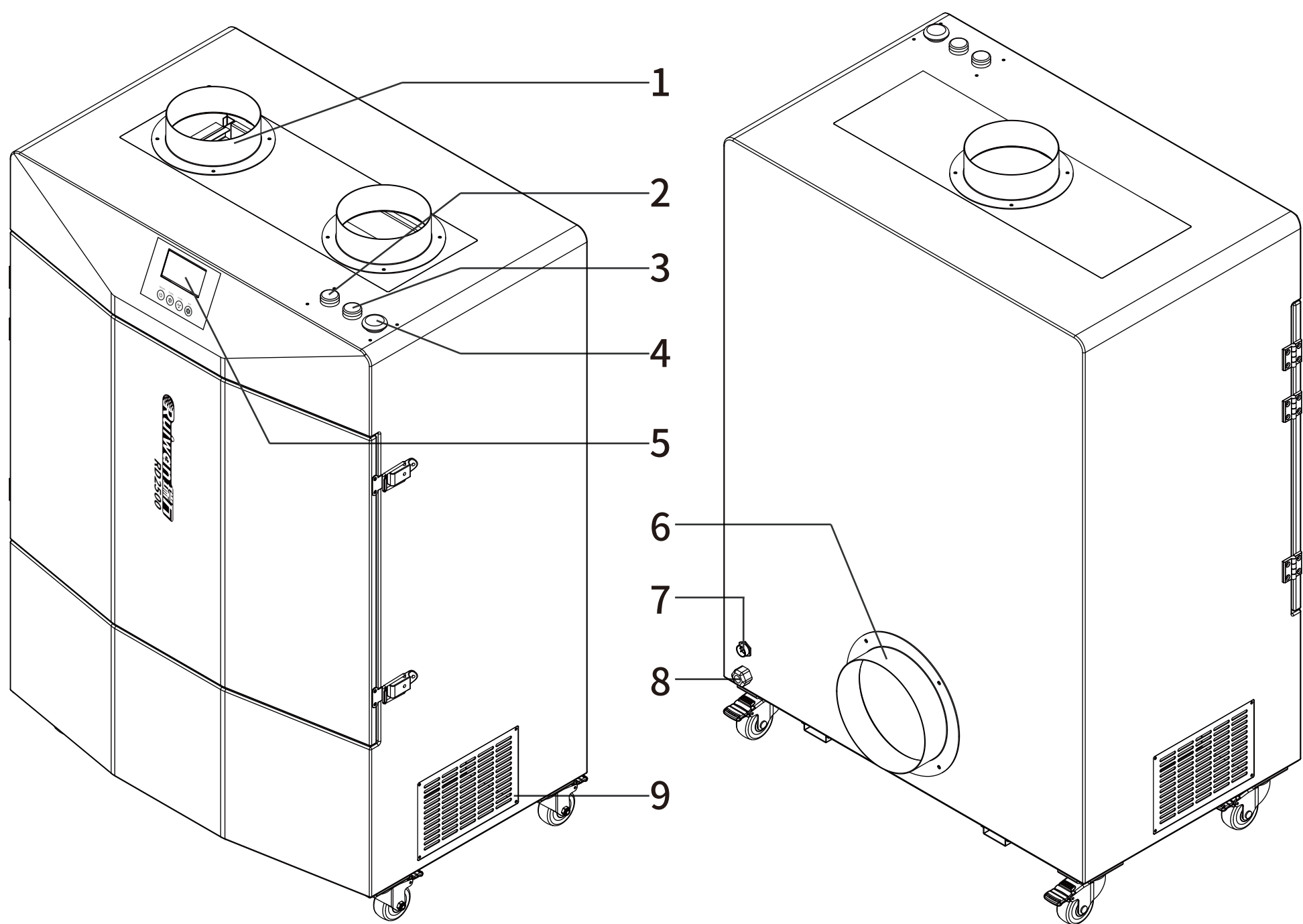
PACKING LIST

Description	QTY	Size	Model	Note
Main machine	1 set	L805xW535xH1200mm	RD2500	
2.4G remote control	1 pcs			
Smoking pipe	1 or 2 pcs	Flexible tube		
Female aviation plug	1 pcs			
Primary cotton filter	1 pcs	L760xW450xH30mm		
Medium efficiency filter	2 pcs	L445xW375xH50mm		
Molecularcular filter	14 pcs	L445xW375xH50mm		
Flame screen (Optional)	1 pcs	L755xW445xH10mm		

Note:The filters are placed inside the machine

STRUCTURE

1	Air Inlet
2	Filter cartridge alarm light
3	Power point indicator
4	Emergency stop switch
5	Control panel
6	Air outlet
7	485 communication interface
8	Cable gland
9	Heat sink window



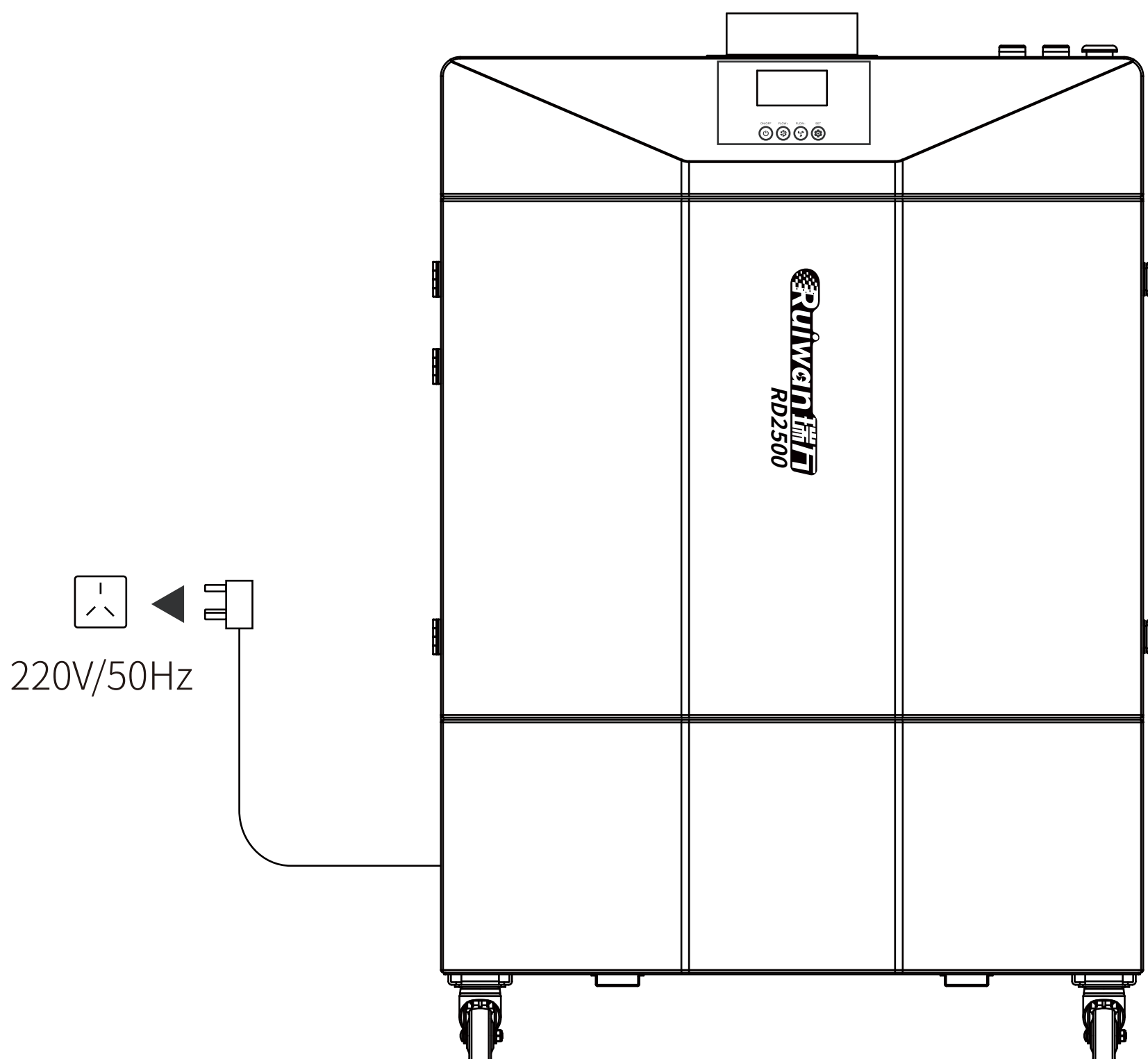
Schematic diagram for single-station external exhaust models, if you receive the goods do not match this picture, please prevail in kind.

INSTALLATION NOTES

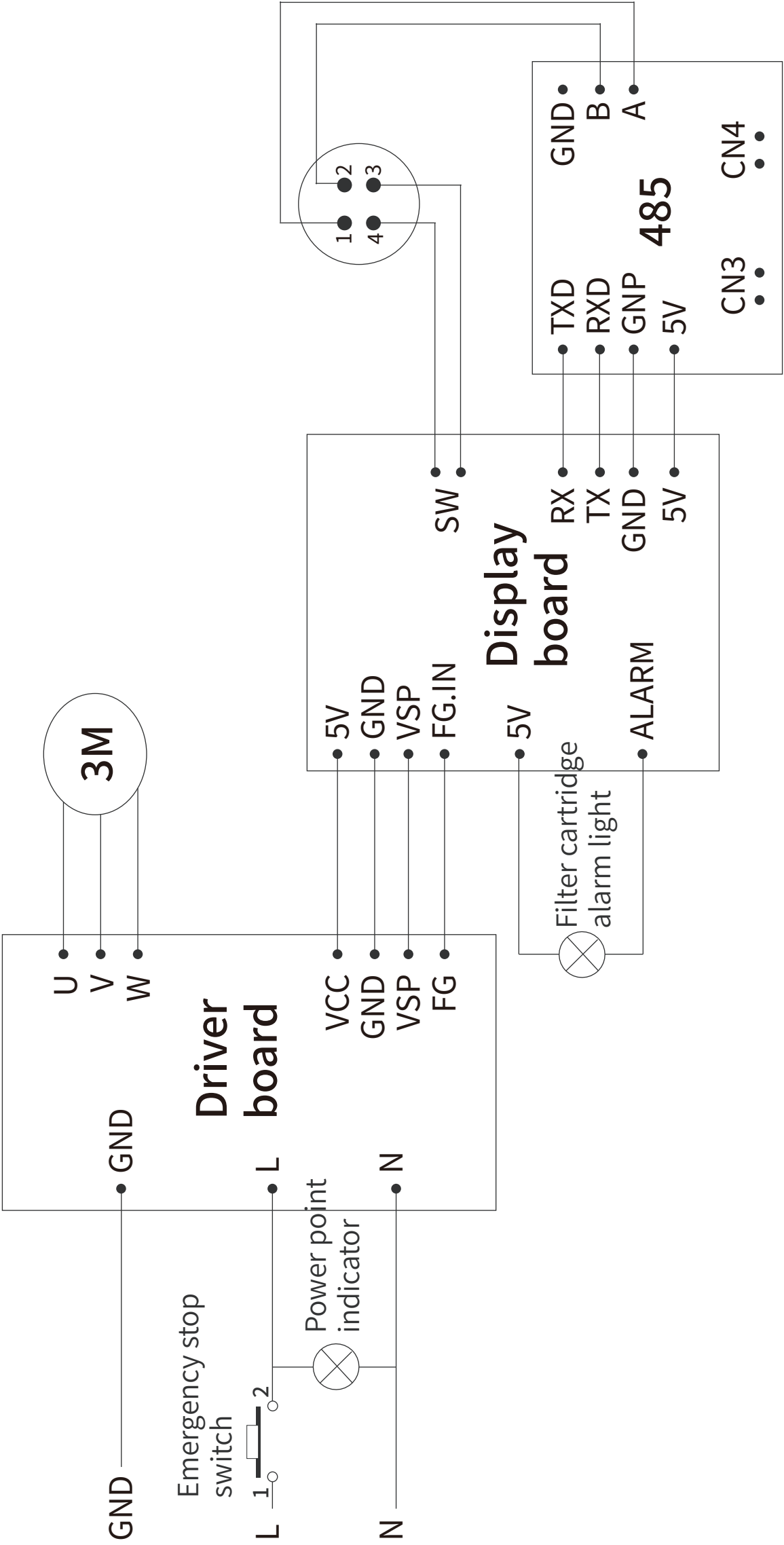
1. Plug the power cord into a 220V single-phase, three-pronged socket;
2. Press the ON/OFF button to start the work.

Warm tips:

1. When using it, you should try to make the smoking mouth directly opposite to the smoke generation point to improve the efficiency of smoking;
2. The appliance must be switched on with a well grounded The appliance must be switched on and used with a well earthed plug and socket.



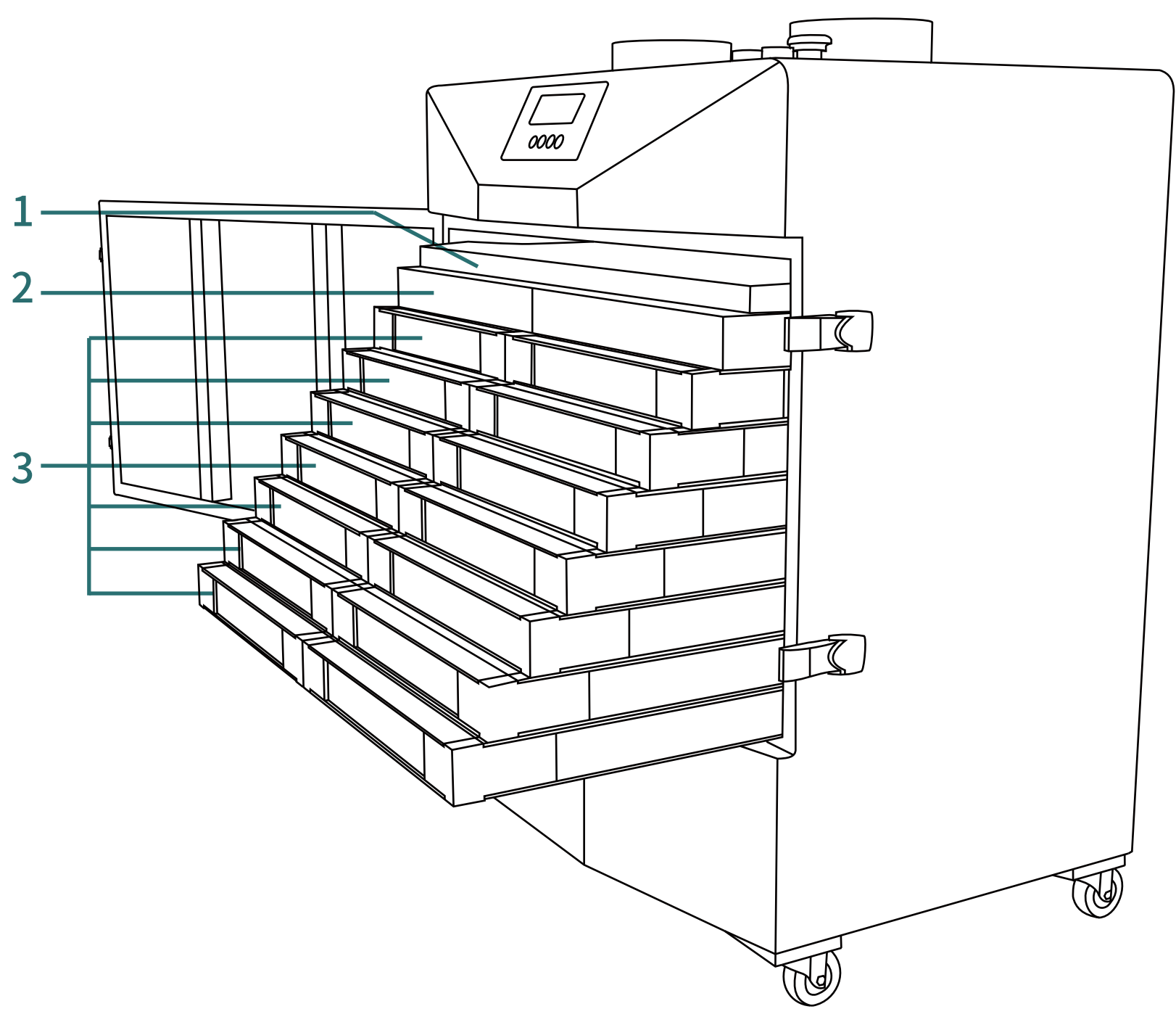
ELECTRICAL CONFIGURATION DIAGRAM



FILTERS

	Description	Replacement period	Replacing method
0	Flame screen (Optional)	Repeated use	Pull out
1	Primary effect filter cotton	7-30 days	Pull out
2	Medium efficiency filter	2-4 months	Pull out
3	Molecularcular filter	4-6 months	Pull out

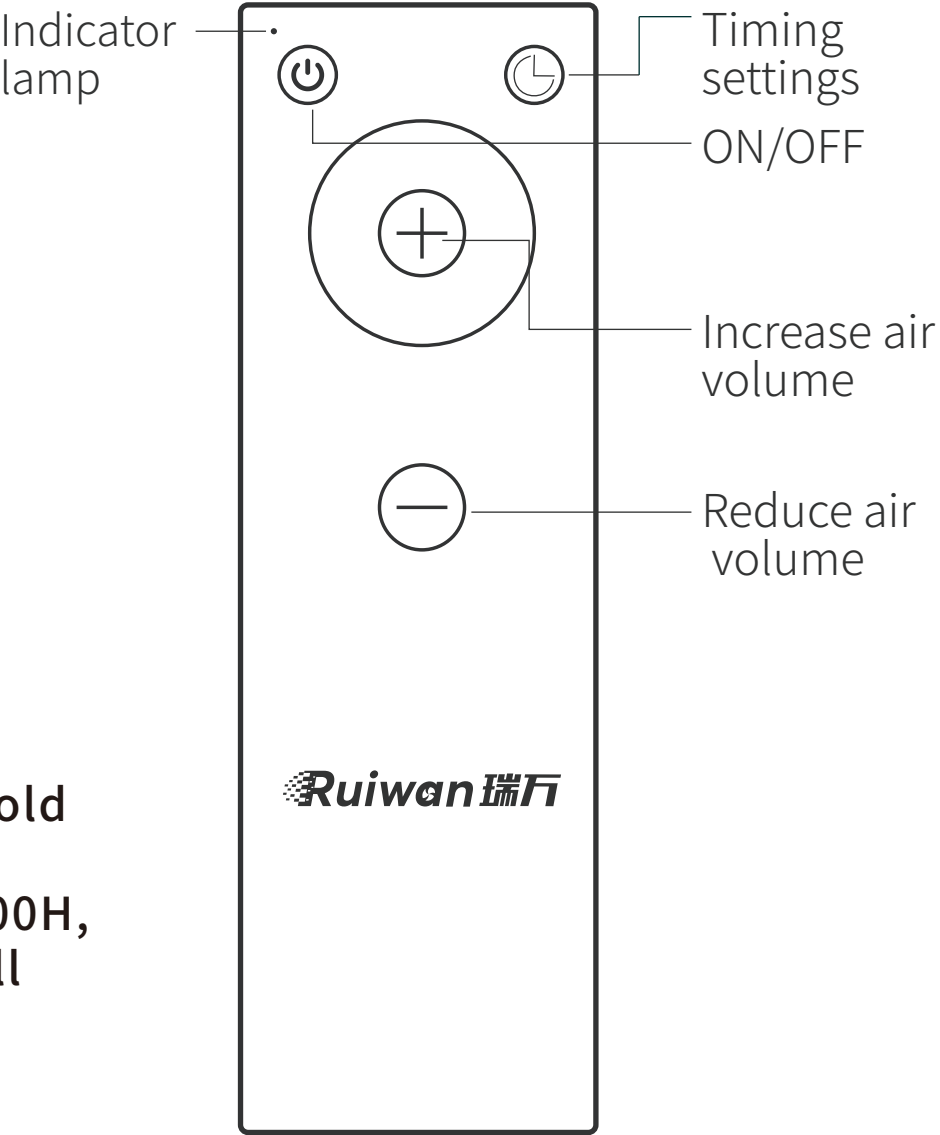
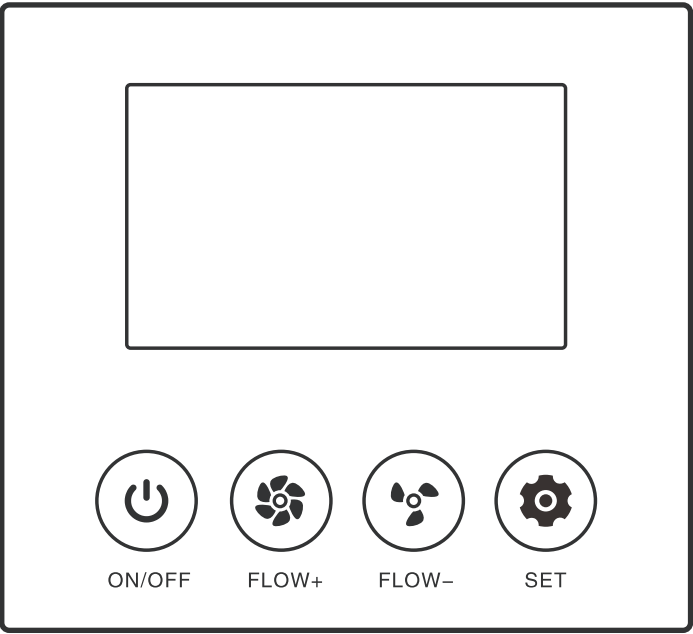
Molecularcular filter can be replaced 1-2 at a time.
Note:The above replacement cycle is for reference only, the actual replacement time depends on the working conditions.



CONTROL PANEL AND REMOTE CONTROL

ON/OFF: Machine switch
FLOW-: Air volume decrease

FLOW+: Air volume increase
SET: setting

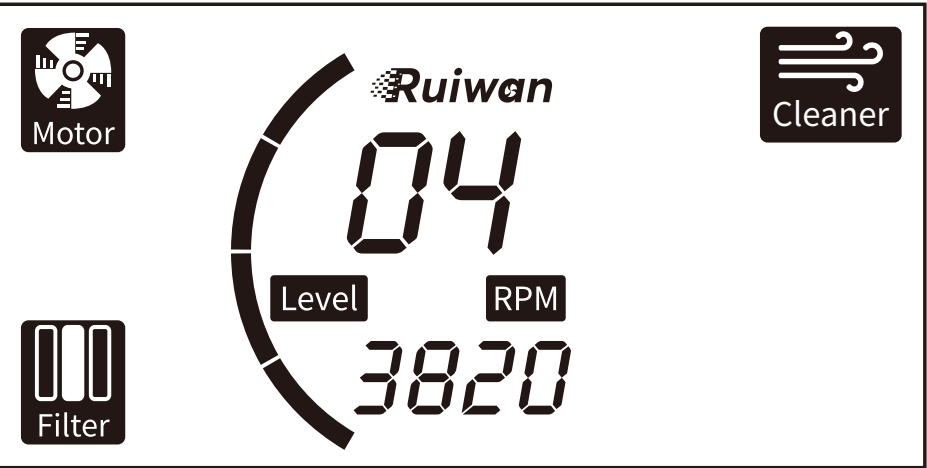


DELAYED SHUTDOWN SETTING

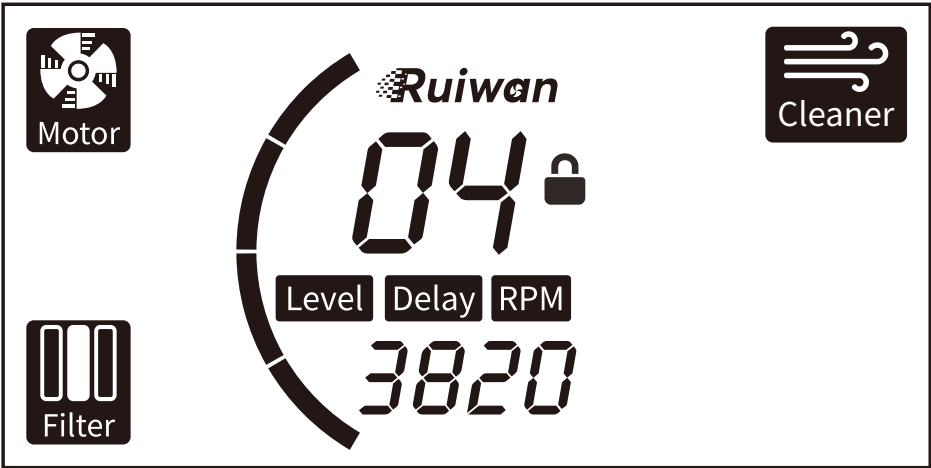
- 1.When the machine is running, press and hold down the SET key;
 - 2.The screen flashes "Delay" and displays 000H, press FLOW+ to set the time, the number will change from 0-24;
 - 3.Set the number, then long press the SET button to exit, the timing will be confirmed automatically.
- (Note: 024H means that the machine will automatically switch off after 24 hours of operation)

PARAMETER LOCK SETTING

When power on, long press FLOW+ key and FLOW- key to lock the current operation. The current settings will be retained the next time it is switched on.

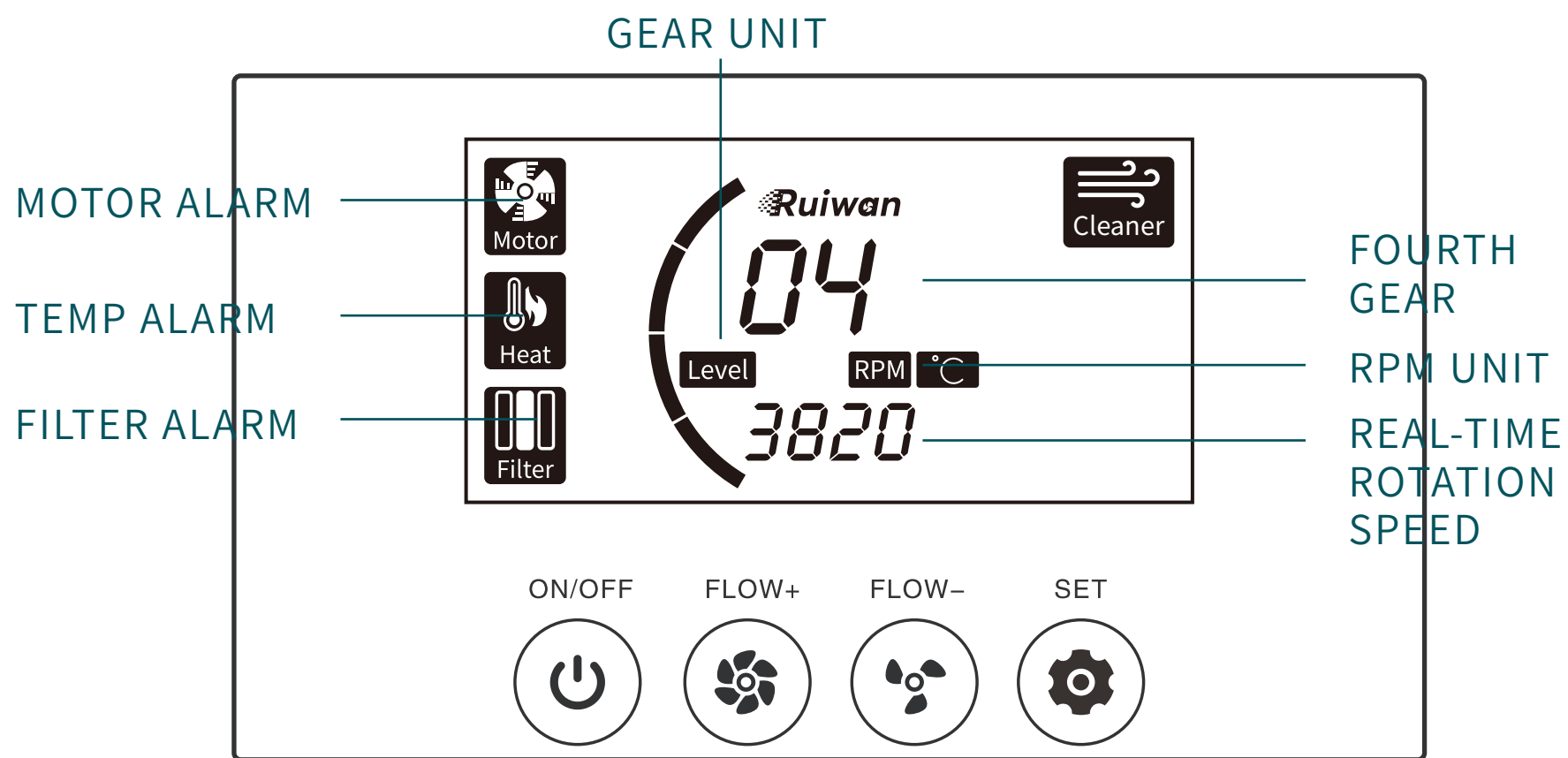


Display of delayed shutdown and parameter lockout not set



Display with delayed shutdown and parameter lockout already set

485 LCD CONTROL BOARD FUNCTION DESCRIPTION



ON/OFF:

The first time the control board is powered on, the default is off, press this button to switch on; After power failure and re-power on, it will restore the setting before power failure to work.

SET:

In the power-on state, long press this key, it will enter or exit the setting state, and click to cycle to switch the setting items.
Setting items are: time delay shutdown---alarm wind speed setting---alarm temperature setting---485 address setting

KEY COMBINATION:

- 1. In the power-on state, and long press FLOW+ and FLOW-, can switch the parameter lock setting;
- 2. In the power-on state, and into the setting state, long press FLOW+ and SET, can turn off or turn on the alarm;
- 3. Press and hold ON/OFF, FLOW+ and SET keys and then power on, can reset the programme to factory default settings.

ALARM FUNCTION:

- 1. When the fan speed falls below 1000 rpm, the fan prompts an alarm and the Motor icon flashes;
- 2. When the fan speed is higher than the set air speed, the cartridge alarm light flashes and the Filter icon flashes.
- 3. When the temperature in the cartridge compartment is higher than the set temperature, the Heat icon flashes. (This feature requires an optional temperature sensor)

FAQ AND SOLUTIONS

1: The system is still working, but the air volume is weak, and the suction force is significantly reduced.

Cause: The air intake is blocked, or there is foreign matter in the tubing, and the filter element reaches saturation failure, resulting in a blocking alarm.

Check: Turn off the power supply, check whether there is any foreign matter blocking the air intake, and then check whether the air outtake is blocked. If the suction of the air compressor is normal, the filter element needs to be replaced.

2: The machine is normally energised, the motor starts slowly, the speed is sometimes fast, sometimes slow.

Cause: Motor Drive Board Failure.

Tackle: Contact the manufacturer or dealer to replace the driver board.

3: Boot-up non-functioning

Check: ① Whether the socket is poor contact, if the power socket is intact; ② Driver board failure; ③ Loose internal wiring.

Tackle: Contact factory or dealer for repair.

Be sure to cut off the power before checking and repairing the equipment!

WARRANTY

As for the warranty (free repair) of goods within the warranty period, it shall be implemented from the date of purchase.

1. During the warranty period, the goods can only be repaired in Ruiwan headquarters or dealers recognized by Ruiwan. Please show us this User's manual(Warranty) and purchase invoice.

2. From the date of purchase, the main unit is guaranteed for ____ years.
(Note: the filter element belongs to consumables and is not under warranty scope of repair)

3. Under one of the following circumstances, even within the warranty period, it can not be treated as a warranty, but it can be bank charge processing:

I Damage caused by failure to use, maintain or store in accordance with the operating instructions;

II Damage caused by incorrect operation, abnormal power supply, and falling;

III Use of non-original cartridges or accessories and use without placing the cartridge;

IV Damage caused by dismantling the machine without the consent of the manufacturer;

V Failure to prove that the machine is within the valid warranty period;

VI The information on the warranty certificate is inconsistent with or altered from the physical identification of the goods;

VII Damage due to nuclear and chemical corrosion;

VIII Damage due to natural measures (lightning, earthquake, flood, fire, and other natural disasters).

4. Before using this equipment, please strictly comply with the operating instructions, regular inspection and replacement of filter cartridges, is strictly prohibited in high temperature (50 ° C and above), high humidity (with condensation), flammable and explosive, easy to corrode and strong electric environment, such as the result of safety accidents or machine failure, and the company has nothing to do. causes safety accidents or machine failure, the company has nothing to do with it.

5. Ruiwan company reserves the right of final interpretation of after-sales service terms.

Ruiwan customer consulting service center

Service hotline: 86-0760-8533 5032

Official website: www.ruiwanchina.com

V1.0 2024.08

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