

INSTRUCTION MANUAL



SGD-250L ECO-FRIENDLY DEHUMIDIFIER

Technical parameters

Model	SGD-250L
Max Dehumidification	250 L/D (30°C, RH90%)
Nominal Dehumidification	138L/D(27°C, RH60%)
Operating Ambient Temperature	5°C~38°C
Power Supply	220V/50HZ 1PH
Max Input Power	3500W
Rated Power	2750W
Draining Method	Continuous Draining by Hose
Weight	125KGs
Dimension(mm)	780(L)*485(W)*1650(H)

Thank you for using our dehumidifier

- * This manual is important, you should read it before using the dehumidifier, so that you will know how to use the machine and make the machine perform well and serve your purpose.
- * Please do not put the machine outdoor so that you can avoid abnormal operation.
- * To avoid any damage to the machine, please do not repair the dehumidifier or dismantle the machine by yourself.
- * Please put the machine in the right working environment without heating source nearby or corrosive chemicals.
- * This machine should connect to AC220V/50Hz 1PH power supply. Wiring should be conducted by an electrician or under the supervision of an electrician.
- * Please keep it dry and clean around the wiring area, to avoid short circuit and leakage of electricity.
- * Please do not put heavy stuff upon the machine or throw anything into the machine.
- * Please use the power button to start and stop the machine, do not use the plug as a switch.
- * To avoid more noise, please put the machine on a flat floor.
- * To keep good ventilation and avoid touching anything else, there should be more than 50cm interspaces all around the machine.

Parts and function



Operation

1. Opening the package. Check the machine and make sure it is in good condition before using it.
2. Install the machine if needed. Connecting to the power supply and start operating the machine according to the target humidity.

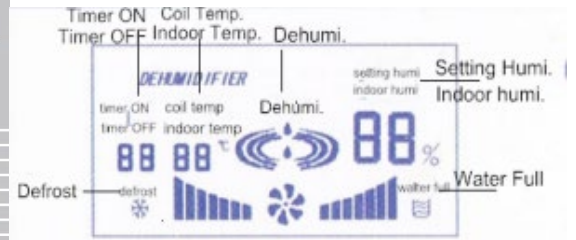
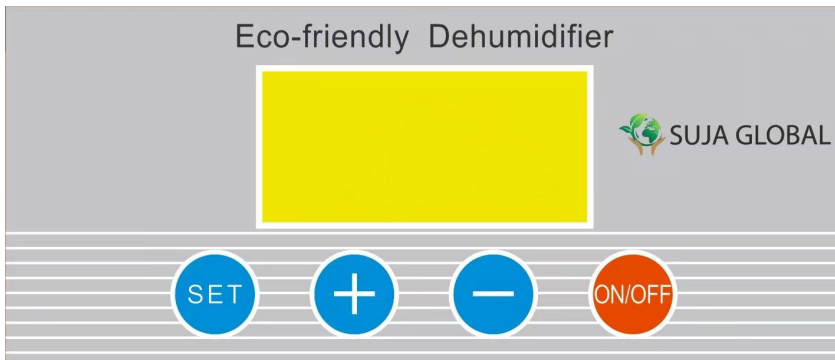
Applied range

- ❖ Storeroom where keeping precious machines, instruments, computers and so on. Bank, library and museum where require a relevant dry environment. Garage and basement. Garment plant and warehouse and other industries that require dry environment for production and storage.
- ❖ Under rainy weather, air dehumidifier can keep your room dry and create a comfortable living environment, and avoid mildewing your furniture, carpet or clothes.
- ❖ **Note: this machine was not processed with explosion-proof technology so that cannot be used in the environment where there are flammable, explosive, chemical or corrosive substances.**

How to use this machine more efficiently

- ❖ To achieve optimum efficiency, it should be operated in an airtight space. If opening window while dehumidifying, due to air convection, lots of moist air will be brought in, so, no matter how efficient the machine is, the room air will not reach the target humidity.
- ❖ If there is too much dust on the air cleaner, it will affect the machine's dehumidifying effect. So, you should clean the air filter frequently.
- ❖ If this machine's moisture removal amount gets lower, which means the humidity in this room has been reduced.

Control panel and operating instructions



LED screen displays ambient humidity, ambient temperature, humidity setting and wind speed (for certain models).

Attention: The compressor will delay three minutes to start whenever starting the machine to protect the compressor.

★ **ON/OFF:**

After connecting to the power, LED screen displays ambient temperature and humidity, and the buzzer rings.

Press power button to start, press power button a second time to stop.

★ **Auto defrosting**

Evaporator surface will be frosting when in low temperature that will affect dehumidifying effect. The machine has auto-defrosting function. When defrosting, the compressor stops working and the “defrost” light keeps on. After defrosting process is completed, the machine will go back to dehumidifying mode automatically.

★ **Auto dehumidifying**

a. Check the current temperature and RH (relative humidity). Press “SET” for one time to set target humidity. Press “+” or “-” and set the humidity you want. Setup is completed without hitting the buttons within 5 seconds after the last hitting.

b. When the environment humidity 3% below the set RH, the machine will stop dehumidification and “DEHU” flashes on the screen.

c. When the environment humidity 3% above the set RH, the machine will start dehumidification automatically.

d. Humidity setting range: 10-95%

Note: when setting target humidity below 30%, the machine will keep dehumidifying constantly.

Timer function

a. **Time setting**

Press “SET” button twice and the timer flickers on the LED panel, then you can set the current time. Hit button “+” to adjust hours, button “-” to adjust minutes. Setup is completed without hitting the buttons 5 seconds after the last hitting.

b. **Power ON timer setting**

Press “SET” button three times then you can set power ON timer. Hit button “+” to adjust hours, and button “-” to adjust minutes. When the machine is in power OFF status and reaches the setting time, the machine starts to work automatically. Setup is completed without hitting the buttons 5 seconds after the last hitting.

c. **Power OFF timer setting**

Press “SET” button four times then you can set power OFF timer. Hit button “+” to adjust hours, and button “-” to adjust minutes. When the machine is in power ON status and reaches the setting time, the machine stops to work automatically. Setup is completed without hitting the buttons 5 seconds after the last hitting.

d. **Cancel timer**

Change the set point to “00” to cancel timer.

Notes:

1. Please set the current time correctly. Timer “ON” and Timer “OFF” functions are all based on the set machine time.
2. Timer “ON” and Timer “OFF” settings are not included in the machine memory. Please reset once the machine power is cut.
3. Please set both Timer “ON” and Timer “OFF” so that the machine can work “ON” and “OFF” in a circle during 24 hours based on the setting.

Fault display:

Error code	Error description	Solution	Remark
E1	Coil temp. sensor fault	Contact the manufacturer or distributor	
E2	Ambient temperature sensor fault		
E3	Humidity sensor fault		
Overload	Compressor does not work		
Phase sequence	Wiring phase sequence error		Applicable to three phases power supply
Lack of phase	Power lacking phase		

Clean the air filter

The purpose of air filter is to clean dust and impurities out of the air.

If the air filter is blocked by dust, that will affect dehumidifier's functions and waste energy. Therefore, it is better to clean the air filter every two weeks to maintain good dehumidifying effect.



Use a hose to drain water

- P.S. :**(1) Cannot use water tank which is higher than machine water outlet to drain water.
 (2) The draining hose cannot higher than the machine water outlet.
 (3) The draining hose cannot placed near heating substances above 60℃.

Attentions

- ❖ This machine should work at the temperature 5℃~38℃. When the machine is running, please make sure that there is an earth lead.
- ❖ When moving the machine, to avoid any damage, please do not tilt the dehumidifier more than 45°.
- ❖ When it is draining off water continuously, please put the draining hose in a horizontal position, no higher than the water outlet.
- ❖ To lengthen the life of the machine, please wait 3 minutes to turn on the machine again after the machine stops working.
- ❖ When the “water full” light is on, it means the water tank is full or the water tank is not in the right position.
- ❖ Before repairing the machine or cleaning the machine, please make sure it is power OFF and the power supply is cut.
- ❖ Please do not use chemicals, volatile solvent or corrosive solution to clean the machine.
- ❖ Please do not clean the machine with hot water with temperature higher than 40℃, or the powder-coated meatal surface

will fade away and be damaged.

- ❖ Please use soft and clean fabric to dry the machine, if the surface of the machine is dirty, you can use neutral detergent and water to clean it.
- ❖ To avoid leakage of electricity, please do not wash the machine with water directly.
- ❖ When the machine is operating, the compressor will produce heat, which is a normal phenomenon.
- ❖ Please close the window when the dehumidifier is working.
- ❖ If you cannot turn on the machine or the machine malfunctions for some unknown causes, please do as follow:

Please check the plug and power supply.

If the plug and power is ok, please wait 10 minutes then turn on the dehumidifier.

If you still cannot turn on the machine, please call the distributor or manufacturer's after-sales service.

Trouble Shooting

If the following conditions happen, please turn off the machine and call the distributor or manufacturer's after-sales service.

- ❖ Cannot turn on the machine and constantly fuses.
- ❖ Put something unknown or water into the machine by mistake.
- ❖ Power line or plug get very hot with unknown causes.

Problems	Please check the following points first
When pressing the button to turn on the machine, but it does not work	1. Whether the water tank is in the right place? 2. Whether the machine is powered on? 3. Whether the fuse is melted?
Feel the moisture removal amount is low	1. Whether the filter is clean? 2. Whether the temperature of the room is too low? 3. Whether the air intake or air outlet is clogged?
The machine cannot reach target humidity	1. Whether the space is airtight? 2. Whether there is something that can produce water steam inside the room? 3. Whether the room is too large?
Noise	1. Whether the floor is flat? 2. Do you put the dehumidifier in a right place?

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