

User manual

Applicable models: SD-138D



Before installation and application, please read this manual carefully!

Please keep this manual for future reference!

Product description index

- 1.Safety notes
- 2.Product description
- 3.Product features
- 4.Machine structure and components
- 5.Placing
- 6.Technical parameters
- 7.Operation instruction
- 8.Malfunction codes
- 9.Safety operation and maintenance notes
- 10.Maintenance
- 11.Common malfunction and troubleshooting
- 12.Warranty

- 1.Any damage or malfunction caused by the operation failed to observe this operation manual or notice in the machine.
- 2.The damage caused in the transportation or handling, customer change, disassembles and alter the machine body No. by do-it-yourself.
- 3.The damage caused by all the natural disaster such as lightning stroke, flooding, fire etc.
- 4.The damage caused by abnormal voltage or applies the power that is provided by non power supply unit.
- 5.Loss, copy of warranty card, no invoice, and proof-of-purchase provided or exceed the warranty period.
- 6.Humidity sensor is the part easy to be damaged, which is not belonging to the warranty scope.
- 7.The damage caused by the applications in the environment of acid, base, salt, glue, dust, high temperature (more than 38°C) will not belonging to the warranty scope.
- 8.This machine has no explosion proof performance; the company shall take no responsibility for the accidents caused by the application of the part in the flammable, explosive and corrosive environments.
- 9.All the components can be replaced during warranty period.

The content of this manual is carefully checked, but it could contain the minor error or leakage in typesetting and printing.

Please keep this manual for future reference

11. Malfunction and troubleshooting

Malfunction	Cause	Solution
The dehumidifier do not operate	1. Power failure 2. Switch is not connected 3. Plug is not inserted into socket 4. Fuse melted	1. Supply power again 2. Re-connect to power 3. Insert plug into socket 4. Replace fuse
The dehumidification effect is not significant	1. Scaling in the air filtering mesh 2. Block in the air intake of dehumidifier 3. Door and window is open	1. Clean filtering mesh 2. Remove blocks 3. Close door and window 4. Contact agent or manufacturer for repairing
Water leakage	1. Machine tilt 2. Water outlet pipe is blocked	1. Adjust machine in a level 2. Disassemble the panel and remove the dirt inside the pipe
Abnormal noise	1. Machine placing is not stable 2. If the filtering mesh is blocked	1. Place the machine stably 2. Cleaning the filter trap

1. When above malfunction cannot be eliminated and require repairing, please contact supplier or agent, please do not disassemble the machine by do-it-yourself.
2. The circulating sound of refrigeration could be heard except operation or stop of the machine, this is normal but not malfunction.
3. Air outlet exhaust hot air is normal.

12. Warranty description

Thanks very much for purchasing of this dehumidifier, this device will bring great convenience to your work and life. In the event of any malfunction happens in the machine, please contact the appointed repairing unit or after-sale service center in time. The company will provide consultation and maintenance service.

The part will be given one year free warranty period since the purchasing date; compressor will be given three year warranty period, in the event of any problem happened in this duration, please contact the local distributor or repairing station for the repairing. The series dehumidifier can be repaired in the appointed repairing station of China domestic cities. The following conditions will be eliminated out of the repairing scope according to the national regulation. We will charge the cost (charging standard: maintenance + fee for replacing components)

Thanks very much for purchasing this novel dehumidifier. It is suggested to keep this operation manual in safe for the future reference. Before apply this machine, please read this manual carefully to understand the advantages and special feature of this unique part, ensuring the part operates in its best performance.

In the past ten years, dedicated to developing professional and comprehensive indoor environment control technology to build and market dehumidifier, humidifying machine, ozone sterilizer and vacuum cleanser etc. The company integrates the most advanced technology to provide the world level products.

1. Safety Notes:

- Before installation, operation and maintenance of this machine, please read the safety precautions carefully.
- Remove the packing materials of the device; keep far away from kids or baby to avoid the risk of suffocation.
- Before plug in the machine, ensure the voltage is within the range of label.
- This dehumidifier is only used for the specified applications. The manufacturer shall not take any responsibility for the damage caused by the improper application.
- This device is safe in application, but careful operation is required as operating other electric appliances.
- Please place the machine vertically for two hours prior to power on the machine in the 1st time application.
- Never stretch finger or rod into the grid.
- Note: do not apply this part in the environment under 10°C.

Special attention: dark screen does not mean the power is disconnected! Cautions!

- Indoor application only.
- Before application, confirm if the power is three phase 380V/50Hz or single phase 220V/50Hz or single phase 220V/60Hz.
- Observe the local regulations for the installation and applications.
- Learn more or consult professional for any question on the installation.
- Draw out the plug when do not use. Never remove the plug by pulling the wire.
- Never operate the part by wet hand.
- Keep away from the touch of the kids.
- Do not soak the parts into water or spray water directly on the part during cleaning.
- Draw the plug out before cleaning the device or any part of the machine.
- Draw out the plug when changing the filter trap.
- Do not use the extension cable to connect with power; ask professional for the installation when there are no proper socket available.

★ To avoid the occurrence of danger, ask manufacturer, agents or qualified staff for the replacement of damaged power wire.

2. Product description

Dehumidifier is used for reducing the air moisture of its installation space to a proper level, so as to fit people in the daily life and material storage.

Beautiful in shape, compact in size, convenient in operation, this dehumidifier is widely used in the dehumidification of many sites with high moisture such as scientific researching, medical & health care, commodity storage, underground engineering, so as to prevent the loss caused by moisture, rust, decomposition of apparatus, devices, telecommunications devices, medicines, files etc.

As considering the setting optimum humidity of the climate and environment change, physiological health condition of human, protection condition of indoor furniture and other items varies between 45% to 65%, it is suggested to set the humidity within this range.

3. Product features

- 1) High grade part with beautiful appearance, compact but reasonable body in secured structure.
- 2) Computer control, easy and understandable operation description, specially timing design.
- 3) Applicable to low temperature and high efficiency automatic defrosting system.
- 4) 1% humidity adjustable function.
- 5) Continual drainage functions through soft pipe.
- 6) Environmental temperature display, automatic judgment of malfunction.
- 7) LCD display of present humidity.
- 8) Multi-direction wheel installed in the base, making the device can move freely.
- 9) Adopt international brand compressor (Mitsubishi/Daikin), world-known brand humidity sensor.

10. Maintenance

Before cleaning and maintenance, draw out the power cable of the part. Use soft wet cloth to rub the machine body.

Do not use detergent, steel wire ball, chemical treated dust removing cloth, gasoline, benzene, thinner or other solvents for the cleaning as these items could damage the machine body.

Cleaning filter trap

- This device is equipped with a filter trap that can be washed, by which this machine can isolate large part of the contaminants transmitted through air, such as dust, smoke, animal fur, mold spore and pollen, reduce the substances that could cause sensitization.
- It is suggested to check the filtering mesh regularly, make the cleaning for at least one time per month or before storage.
- Get out the filter trap
- Remove the contaminant in the filter trap by dust cleaner or air blower.
- If the filter trap is extreme dirty, use the warm water and soft cleaner for the cleaning, air dry the part thoroughly. Do not expose the part to direct sunlight or use other heating device for baking, as this could deform the filter trap body and its frame.
- Equip the filter trap in the device after cleaning.

This dehumidifier will drain water continuously. Please follow the setting of manual for the continual draining.

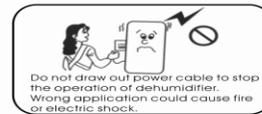
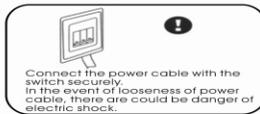
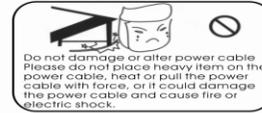
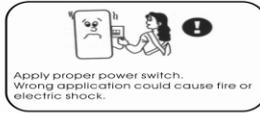
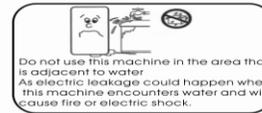
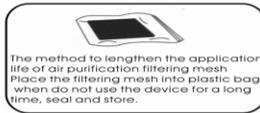
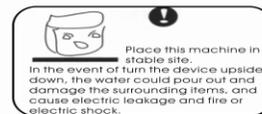
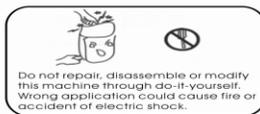
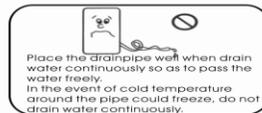
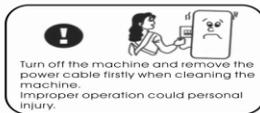
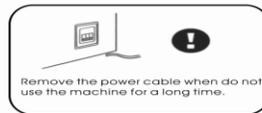
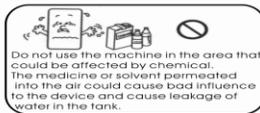
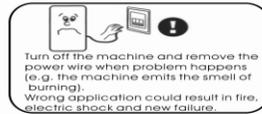
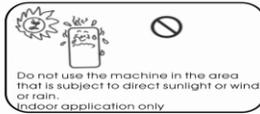
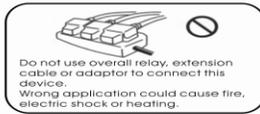
1. The device is attached with one drainpipe; see the drainpipe in the diagram.
2. Ensure no bending in the drainpipe for smooth water flow.

In the event of malfunction happened in the dehumidifier, check the No. 7 of this manual before consult the after-sale section .

User shall never repair or disassemble this parts through do-it-yourself, improper repairing could endanger the user's body.

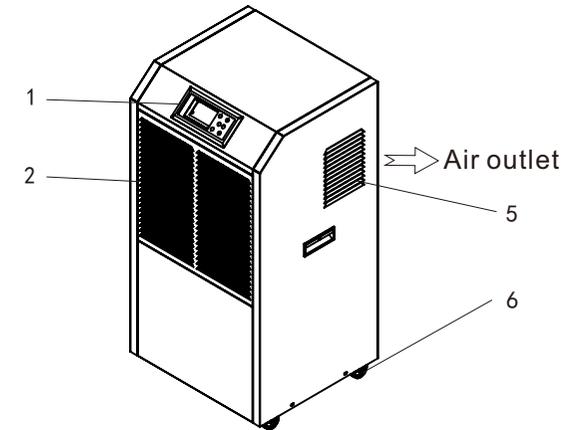
9. Safety operation and maintenance notes

Safety operation and protection



4. Machine structure and components

Machine structure 1

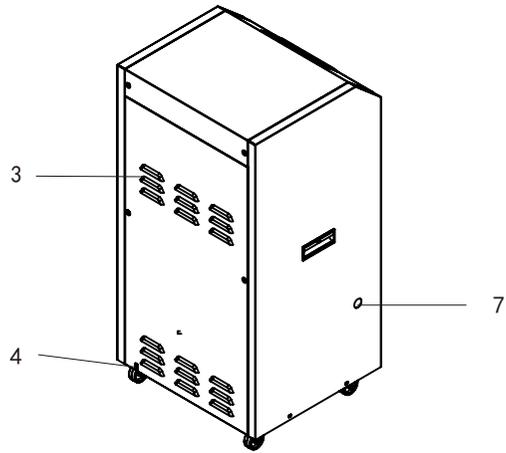


1. Control panel
2. Air inlet
3. Heat dissipation hole
4. Outlet of power cable
5. Air outlet
6. Caster
7. Water outlet

Diagram

Remarks: the above is dehumidifier diagram, appearance may have little difference. Pictures are only for information, take practicality as standard.

Machine structure 2



- 1. Control panel
- 2. Air inlet
- 3. Heat dissipation hole
- 4. Outlet of power cable
- 5. Air outlet
- 6. Caster
- 7. Water outlet

Diagram

Remarks: the above is dehumidifier diagram, appearance may have little difference. Pictures are only for information, take practicality as standard.

8. Malfunction codes

Serial No.	Error Code	Error Name
1	E3	Phase Sequence Error (Reverse Phase or Phase Loss - single phase power lacks this function)
2	E5	System High Pressure Error
3	E6	System Low Pressure Error
4	E8	Compressor Overcurrent Error
5	E9	Fan Overcurrent Error
6	Ec (Ec)	Display Panel Communication Error

(The existence of these error codes is dependent on the actual functionality of the model.)

Notice:

1. After troubleshooting, power must be disconnected and reconnected to reset the errors.
2. During malfunction, the operation of the machine is not subject to control panel control.

7.4 Status Description:

When the fan is running, the operation symbol “ ..■■■” lights up; otherwise, it goes off;

When the compressor is delayed to start, the dehumidification symbol “ ” flashes; when the compressor is running, the dehumidification symbol “ ” lights up; otherwise, it goes off;

When the ambient humidity is below the set humidity and the compressor is stopped, the humidity control symbol “ ” flashes; otherwise, it goes off; When the machine reaches the cleaning cycle, the cleaning symbol “ ” flashes; otherwise, it goes off;

When the machine is defrosting, the dehumidification symbol “ ” flashes; after defrosting, it returns to normal display;

For models with WiFi functionality: When WiFi is successfully connected, the WiFi symbol “ ” lights up; when the device is in network matching status, the WiFi symbol “ ” flashes;

When there is no WiFi network, the WiFi symbol “ ” goes off.

7.5, Defrost Function:

When the machine operates under low ambient temperatures, the system will automatically determine if frost is present and will defrost automatically if necessary.

Defrosting action: The fan keeps running, the compressor stops.

End of defrost: The fan continues to run, the compressor may start

7.6 Temperature Protection Function:

When the ambient temperature exceeds the high-temperature setting (default 45°C), the system enters high-temperature protection, "25" prompts "HH", and the compressor stops;

When the ambient temperature falls below the low-temperature setting (default 4°C), the system enters low-temperature protection, "25" prompts "LL", and the entire machine stops.

7.7 Cleaning Reminder Function:

If the cumulative running time of the fan is ≥30 days, the machine can continue to operate, but it will prompt “ ”, and power reset will not clear it.

When the machine is off, long-press the "Fan Speed" button for a few seconds. Then the full screen will show once, and this clears the current “ ” prompt, resetting the fan operating time.

7.8 Special Note:

Without disconnecting the power, the compressor must be stopped for at least three minutes before it can restart.

5. Placing

Our dehumidifier can protect the room and storage environment from the influence of wet air.

In the event of extra moisture pervade in your room or other spaces, it is same like the cooking smell spread in each room. Therefore, it is required to place the dehumidifier in the center of the room, so as to dehumidify the room evenly and effectively. The warm corridor and platform of stair is the ideal place for placing the machine. If possible, open the door of the house; this is helpful for the air passage.

In the event of special high moisture exist in a certain area of a room, it is suggested to place the machine in this area directly before move it to the center.

For achieving the best effect of dehumidification, shut off the exterior doors and windows during the operation of the device. Do not place the part beside the heater or other heat sources.

When placing the device, ensure to place it in the ground stably on the surface, do not allow block in the air inlet and outlet of the machine.

Disconnect the power and drain the water completely before moving the part. When moving the part, do not slant the body at the angle of 45°.

Store the dehumidifier

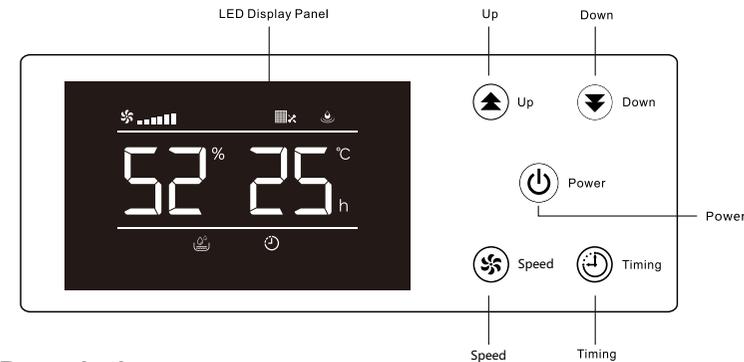
When store the machine, the following procedures shall be observed.

- 1.Drain the water in the tank thoroughly;
- 2.Roll the wire and place it into the water tank;
- 3.Clean the filter trap;
- 4.Place the device in dry and cool area.

Notes:

Keep at least 0.5m safety distance between dehumidifier and any electric appliances and flammable substances.

7. Operation instructions



7.1 Key Descriptions:

1. Power button: Press once to turn on when the machine is off, and vice versa. (The button needs to be held for 0.5S~1S)
2. Up adjustment button: Increases the humidity set value or timing.
3. Down adjustment button: Decreases the humidity set value or timing.
4. Timer button: Allows entry into the timing setting.
5. Fan speed button: Switches between high and low fan speed.

7.2 Humidity Setting

When the machine is on, press the "Up Adjustment" or "Down Adjustment" button once to enter the humidity setting mode: The "%" symbol lights up, and "52" flashes to display the humidity set value "***". In the humidity setting mode, the "Up Adjustment" or "Down Adjustment" button can be used to set the desired humidity, with a setting range of 10-98% RH. Press the "Function n" button once or stop pressing the keys for a few seconds to exit the humidity setting mode.

7.3 Setting of timing power off

When the machine is off, the timer setting is for scheduled start; when the machine is on, the timer setting is for scheduled shutdown. In both on/off states, press the "Timer" button to enter the timer setting mode: The "h" and timer symbols light up, and "25" flashes to display the timer "00". In the timer setting mode, the "Up Adjustment" or "Down Adjustment" button can be used to set the timer, with a setting range of 0~24h, which can be cyclically set. Without setting the timer, "25" displays the ambient temperature; when the timer setting is effective, "25" displays the remaining timer time (press the "Function n" button once to check the ambient temperature at this time).

- The product meets the requirements in <Measures for the Administration of the Restricted Use of the Hazardous Substances Contained in Electrical and Electronic Products>.
- In the environmental service life, when being used normally, the product will not leak hazardous substance and so on, which have impact on the health of the consumers.
- The environmental service life of the product is 10 years. The environmental service life will be effective only in the conditions which have been mentioned in the user manual. 

hazardous substance and content in the product

Component Name	hazardous substance						Notes
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE	
Plastic Components	○	○	○	○	○	○	
Hardware	○	○	○	○	○	○	Including metal panel and screw
Refrigeration Component	○	○	○	○	○	○	Including condenser, evaporator, copper tube, compressor and refrigeration valves
Component of Electric Control Board	×	○	×	○	○	○	
Other Electric Device	○	○	○	○	○	○	Including electric motor, capacitance, anion generator
Power Line	○	○	○	○	○	○	

The form is made according to the regulations in SJ/T 11364

○ : means the content of the hazardous substance is less than the limitation in GB/T 26572.

× : means the content of the hazardous substance is more than the limitation in GB/T 26572.

Attention: Some of the components which mark × above have hazardous substance because of the limitation of the technology right now.