

Instruction Manual For Ceiling Dehumidifier

Thanks for choosing SANDA and we highly recommend you to have a careful reading of the instructions before using the devices. It will provide you with necessary information for proper use and maintenance.

Pictures inside are for reference only, details shall be in accordant with final product.

Contents

Chapter 1. Safety instructions.....	4
1.1 Safety and warning.....	4
1.2. Working condition	5
1.3. Contents of the manual	5
Chapter 2. Equipment introduction.....	5
2.1 Product description.....	5
2.2 Equipment principle.....	5
2.3 Equipment operation flow chart.....	6
2.4 Equipment structure.....	6
Chapter 3. Equipment installation.....	7
3.1 Introduction.....	7
3.2 Shipping and storage	8
3.3 Open the case for inspection	8
3.4 Movement of dehumidification equipment	8
3.5 Selection of installation location.....	8
3.6 Basic installation conditions.....	8
3.7Air duct connection	9
3.8 Water pipe connection	9
3.9 Electrical connection.....	9
3.10 Connection of external sensors.....	10
Chapter 4. Installation method	10
4.1 Introduction.....	10
Chapter 5. Equipment debugging	12
5.1 Introduction.....	12
5.2 Check the equipment before starting.....	12
5.3 Test run of dehumidifier.....	13

5.4 Air volume adjustment	13
5.5 Dehumidification performance test	13
Chapter 6. Operation	14
6.1 Introduction of the control system	14
Chapter 7. Maintenance	15
7.1 Maintenance introduction.....	15
7.2 Filter.....	15
7.3 The motor	15
7.4 Maintenance list.....	16
Chapter 8. Troubleshooting.....	16
8.1 Fault introduction.....	16
8.2 Fault causes and troubleshooting methods	17
Chapter 9. Warranty Policy	18

Chapter 1. Safety instructions

1.1 Safety and warning

The ceiling dehumidifiers meet the safety requirements of the European standards and specifications, and give consideration to the safety of personnel and equipment in design and manufacturing. In each chapter of this manual, there is safety information, as well as a clear expenditure of dangerous operations, and a warning function of the danger symbol is marked in the front. This manual provides the best dehumidifier operating experience and procedures, but these recommendations are for guidance only and any personal responsibility is not assumed. When installing and operating equipment, local safety regulations must be complied with, and everyone must assume the following responsibilities:

1. Protect the safety of the equipment according to the description and instructions in this manual. Take care of yourself and others.
2. Dehumidification equipment must be operated and maintained by personnel with relevant professional qualifications.
3. Electrical parts must be maintained by authorized electrical installers.
4. It is forbidden to install dehumidification equipment in the area with explosion-proof device.
5. Before opening any maintenance panels, make sure that the power to the dehumidifier is turned off.
6. When the operation is completed, the dehumidification equipment should be cooled for at least 15 minutes before maintenance operations.
7. If dehumidification equipment is not maintained, the maintenance panel should be closed.
8. Dehumidification equipment is limited to dehumidification of air under normal atmospheric pressure.
9. It is forbidden to use dehumidification equipment without the installation of filter device, otherwise it will cause the heat exchanger of the dehumidification equipment to be dirty or corroded, which will eventually lead to the dehumidification ability become weakened or even lost.
10. It is forbidden to delete or alter the mark and description on the equipment.
11. Spare parts with original design shall be used.
12. Before any adjustments or modifications made to the equipment, DOROSIN's written approval must be obtained.

1.2. Working condition

The ceiling dehumidifier adopts direct evaporative cooling design, which can dry air under atmospheric pressure. The equipment can dehumidify air in the 100%RH humidity range and the temperature range is 5-38 °C. It is widely used in hotels, office buildings, hospitals, commercial residences, research laboratories and other places. Its working principle is that the fan will cool and dehumidify the indoor air or the mixed indoor and outdoor air through the heat exchanger, and then re-heat up and send it back to the room to reduce the indoor humidity, so as to provide a more comfortable living environment.

1.3. Contents of the manual

This manual is for dehumidifier users, including installation, operation, maintenance and basic fault analysis. The ceiling dehumidifier described in this manual has a system air volume of 200 to 1400 m³ / h and a dehumidifier capacity of 26-136L/h. It is used to extract air from the central area of the building and deliver the treated air to individual rooms.

Chapter 2. Equipment introduction

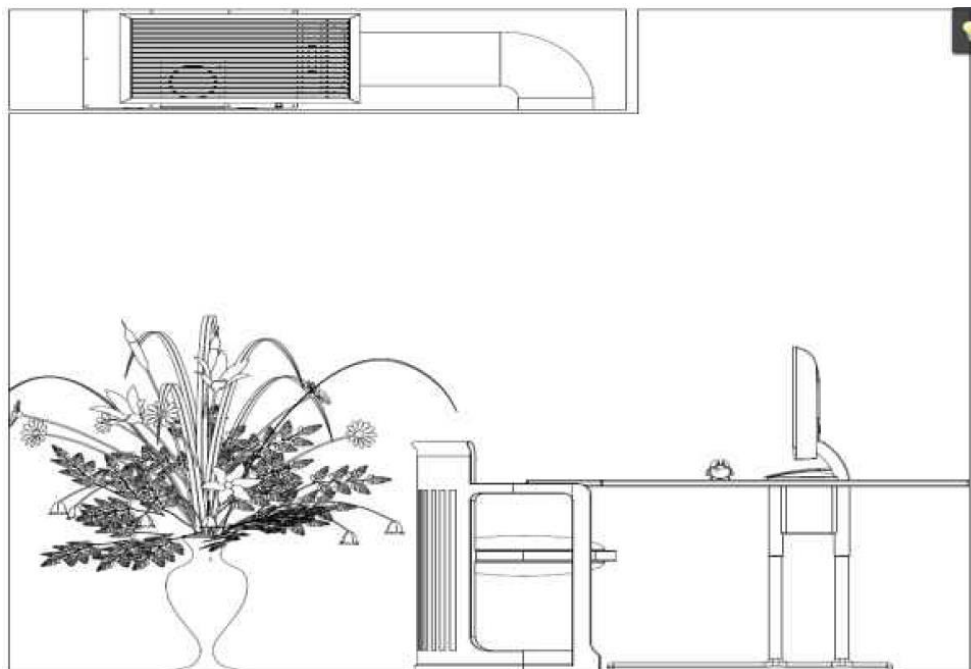
2.1 Product description

The dehumidification equipment is designed to meet the requirements of IEC protection level IP442.

2.2 Equipment principle

The fresh air is initially filtered by the filter and sucked into the machine by the fan. It is first cooled by the evaporator. When the temperature drops to the dew point of the air, the water in the air will condense out and reach the water tank by the sink below the evaporator. The cold air that has been dehumidified passes through the condenser to make the air temperature rise, which can prevent the indoor temperature from falling, and at the same time can make the condensation pressure of the refrigeration system drop, improving the cooling efficiency.

2.3 Equipment operation flow chart



2.4 Equipment structure

1. The body

The ceiling dehumidifier adopts the steel frame design, the structure is compact, the corrosion resistance is strong, and has the cold-proof bridge device, can effectively prevent the occurrence of condensation phenomenon.

1. It has a flat and seamless removable panel, which can be opened for equipment maintenance.
2. The unique defrosting device is conducive to the reliable operation of the dehumidifier.
3. The selection and design of various functional parts take into account the minimum pressure drop, so as to operate reliably and economically.
4. The unit with the same refrigerating capacity can be flexibly configured with high static pressure, ordinary static pressure and low static pressure to meet different air supply needs.
5. The indoor machine connection tank has a certain inclination to ensure the smooth elimination of all condensed water and prevent water accumulation.

2. Duct section

1. All air intakes are equipped with filters with a filtration efficiency of 35% (weighing method). It is convenient to remove the filters.
2. The fan adopts imported centrifugal external rotor fan, steel vortex shell and blade, with high efficiency and low noise.
3. Standard flange interface is adopted to handle the air duct interface, which can be conveniently connected to the grille in the air outlet and air inlet according to the needs of users.

3. Refrigeration system

1. The refrigeration system adopts the combined design of gas-liquid separator, liquid reservoir and heat exchanger, which can effectively regulate the liquid flow rate of the system, give full play to the refrigeration capacity, and ensure the compressor in the best operating state. A drying filter is added to the system to effectively prevent the muddy impurities in the system from blocking the capillary.
2. The frosting method adopts the patented structure device, and adopts the unique frosting on the premise of ensuring the stable operation of the refrigeration system, without affecting the operation of the system.
3. The heat exchanger adopts hydrophilic aluminum foil, which increases the heat exchange efficiency by 20%, reduces the volume of the unit, and also reduces the weight of the unit. The high quality heat preservation material increases the heat preservation effect by 15%.

4.The compressor

Compressor is the core part of dehumidifier, its performance characteristics directly affect the dehumidifier performance and characteristics. Compressor is the core of the whole dehumidifier system and the source of system power. The power of the whole air conditioning, all have compressor to provide, the compressor is equivalent to a real object from the low potential move to the high potential place. In the dehumidifier, its purpose is to compress the low-temperature gas into high-temperature gas through the compressor, and finally the gas in the heat exchanger and other media for heat exchange. Therefore, in order to ensure the quality of products, as well as to establish a good corporate image, all our company's product use imported brand compressors.

5.Throttling system

Throttling component is one of the four indispensable components of refrigeration system. Its function is to reduce the pressure of the high-pressure liquid from the condenser. It is an important part to maintain the high pressure of the condenser and the low pressure of the evaporator.

6. Control protection of device

1. Motor overload and short circuit protection: the motor switches equipped with fans and compressors have overload and short circuit protection functions.
2. Shutdown protection: when the dehumidifier stops under normal circumstances, it needs to wait 3 minutes before starting up again due to the delay protection function.

Chapter 3. Equipment installation

3.1 Introduction

Ceiling dehumidifier can be installed in many places, according to the actual demand. It can also be used together with the existing power system or air duct system if required. This section describes the design of dehumidifier from the factory to the installation of the equipment required to work, read before the installation of equipment to help the correct arrangement of work.

3.2 Shipping and storage

In order to ensure the quality and reliable performance of dehumidifier, each equipment has been inspected before delivery. If dehumidification equipment needs to be stored for a period of time before installation, please note:

- ✧ Factory packaging should not be removed
- ✧ Where the equipment is stored can effectively avoid physical damage.
- ✧ Store under cover to protect against dust, rain and frost.

3.3 Open the case for inspection

Disassemble the shipping package of the equipment and inspect the product to confirm that the equipment was not damaged during the shipping. If any damage is found, please contact the equipment manufacturer. If the pipeline connected to the dehumidifier equipment has been arranged, it should be checked whether the pipeline layout is appropriate. If the environment and installation conditions are not satisfactory, please contact the manufacturer.

3.4 Movement of dehumidification equipment

This series of dehumidification equipment can be carried by forklift, in order to prevent equipment damage and personnel injury, it is recommended to use the equipment.

3.5 Selection of installation location

The dehumidifier shall be installed indoors and shall be mounted on the roof of the room by lifting for optimum operating conditions and fault maintenance services. During installation, the device should be fixed to the roof with expansion bolts. The lower part of the dehumidifier shall have a ceiling repair hole for inspection and maintenance of the equipment. For easy cleaning and maintenance, please make sure to keep a suitable space. To prevent condensation inside the dehumidifier, units should not be exposed to temperatures below the treated air dew point.

- ✧ The equipment should be installed near the cable equipment and easily connected.
- ✧ The installation location of the equipment should fully consider the wiring of remote control on site.
- ✧ Lift the equipment with lifting bracket. Please do not install the equipment directly on the structure layer of the building, otherwise there will be a strong noise. Please note that a dirt collector is placed under the equipment to prevent water leakage during the test run.

3.6 Basic installation conditions

Dehumidifier must be installed horizontally, please be sure to use a level to measure the equipment after installation of the horizontal Angle. Prevent condensation water residue, resulting in unit leakage damage to the entire environment.

3.7 Air duct connection

The dimensions of the air handling ducts shall conform to the ISO7807D recommended values. Installation of duct and elbow flanged pipe fittings shall not exceed 20 mm in bolt length. For ideal installation, air is drawn from the central area of the room and dehumidified before being transferred to each individual room, such as the bedroom or office. When installing the dehumidifier return air outlet and air outlet connection pipe, it should pay attention to the following matters:

- ✧ Shorten the length of air duct as far as possible to reduce the static pressure loss of air system.
- ✧ To ensure performance, all newly awakened pipe connections must be airtight.
- ✧ The air duct should be insulated to avoid condensation on the outer wall when the airflow temperature in the pipeline falls below the dew point of the external air temperature, which will lead to corrosion of the pipeline and fully avoid energy loss.
- ✧ The pipe directly installed on the dehumidifier shall be adequately supported to reduce the load and pressure due to the gravity and operation of the pipe.
- ✧ To reduce the spread of noise and vibration along the pipeline, treatment outlets can be installed with good quality, air-tight soft connections.
- ✧ If the system is introduced into the dehumidifier by outdoor fresh air, the air inlet should be high enough from the ground to prevent dust and debris inhalation. The inlet must be kept away from potential sources of pollution, such as energy emissions, steam, and other hazardous gases.
- ✧ Dehumidifiers can be installed in suites or separate rooms where dehumidification is required. To ensure the best dehumidification effect, the fan outlet should be equipped with a diffuser.

3.8 Water pipe connection

A U-shaped pipe needs to be installed on the drain pipe of the unit. If there is no U-shaped pipe, due to the negative pressure inside the dehumidifier, there will be airflow from the drainage pipe into the hanging cabinet, airflow will prevent condensate water into the drainage pipe, is the condensate overflow of the unit. U-shaped pipe can close the negative pressure area of the dehumidifier, so that the water from the water tray can flow naturally into the drain pipe. Try to make the U-shaped pipe connected to the drain pipe and the ground parallel. A 3/4 inch threaded pipe should also be installed to connect the reserved drain to the floor drain or toilet.

3.9 Electrical connection

Note: electrical connections must be in accordance with the electrical standards of the place where the equipment is installed and shall be performed by qualified personnel. The control line of the dehumidifier on the ceiling has been marked with different colors to prevent confusion. The equipment of the unit adopts single-phase AC power. The installation and configuration of the electric equipment are all based on the voltage and frequency calibrated on the nameplate of the equipment.

- ✧ The power supply of dehumidification unit must be equipped with leakage protection device to ensure

more safety of the unit.

- ✧ The dehumidification unit shall not operate and operate under the power source beyond the rated range.
- ✧ Before the unit is connected to the main power, the power supply should be checked to ensure that the voltage fluctuation range of the requested supply does not exceed 10% of the rated voltage and frequency of the equipment. This inspection is particularly important in high-load applications where voltage fluctuations can occur due to the conversion of larger electrical equipment.
- ✧ The unit must be grounded and the equipment power isolation switch to ensure that the equipment is effectively cut off the power during inspection and service.
- ✧ The fuse power of the power supply fuse must be consistent with the power and phase of the installed dehumidifier. The fuse should be installed near the dehumidifier. The main fuse of the power supply cable should match the normal operation power of the dehumidifier.

3.10 Connection of external sensors

Note: the dehumidifier can be arranged in advance to cooperate with the external control system, providing wiring blocks for connection to the external control system. When installing the humidity detection element, its installation position should follow the following requirements:

- ✧ Do not install the panel in a place where the relative humidity cannot be accurately detected, such as near a window or water source.
- ✧ The humidity detection element shall be installed at a height of 1 to 1.5 meters above the ground to detect a representative level in the controlled area, or the installation design shall require it to be installed at a monitoring point.
- ✧ The detection element shall be installed where it is not affected by dry or wet air and unexpected airflow in the control area.
- ✧ The humidity probe should not be placed near the heat dissipation equipment or exposed to direct sunlight, because the temperature change will affect the actual detection value.
- ✧ The external control system must be compatible with the low-voltage control circuit of the dehumidifier.

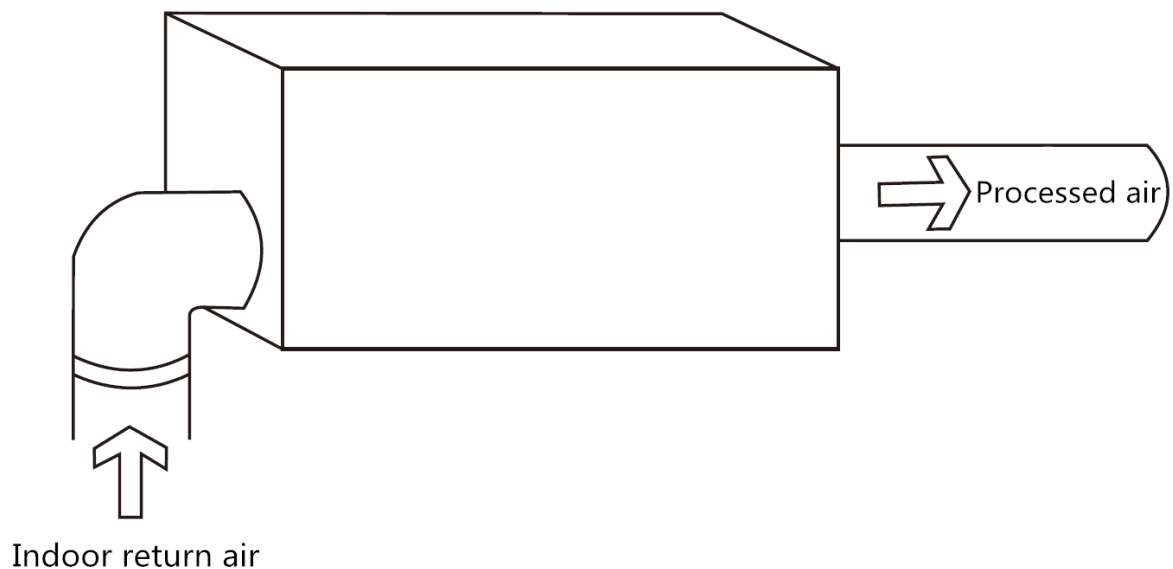
Chapter 4. Installation method

4.1 Introduction

The installation of the ceiling dehumidifier has a variety of ways, there are fresh air and return air mixed dehumidification, full fresh air dehumidification, single return air dehumidification, air conditioning system with dehumidification and so on. Be sure to read the technical manual and consult the relevant technical personnel before you confirm the installation to avoid installation errors.

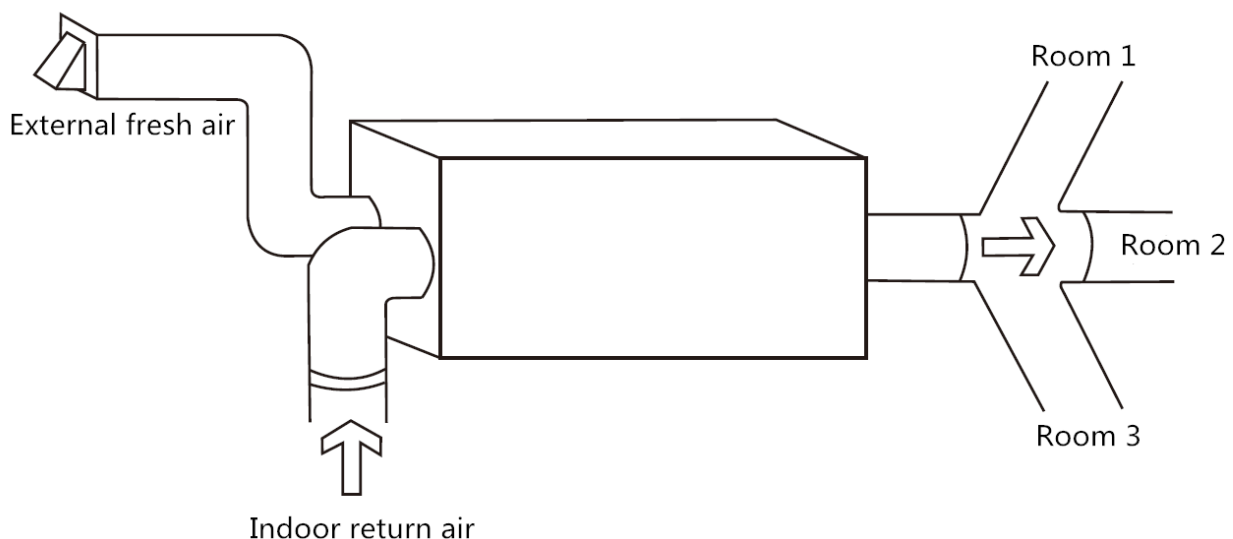
A. The dehumidifier operates independently

Lift the dehumidifier in the room, indoor humidity is quickly reduced, connected to all the pipe should take into account the transmission of noise and vibration, especially the rigid air duct system, the end of the air duct grille or diffuser resistance to airflow can not be too large.



B. Mix fresh air and return air to dehumidify

Do not directly extract air from the kitchen, laundry room as a return air. The equipment can be hoisted in the air-connected space of other rooms to extract the return air and mix it with the external fresh air. After dehumidification, it can be sent to multiple independent rooms.



Chapter 5. Equipment debugging

5.1 Introduction

The dehumidifier control has been completed in the internal system and integrated with the indoor panel control according to the process requirements. Before starting up the equipment, please be sure to read the technical manual attached with the machine and consult relevant technicians to understand the operating parameters and setting parameters of the equipment and avoid operating errors.

5.2 Check the equipment before starting

The commissioning and start-up of the dehumidifier must be carried out by the manufacturer's professionals. Otherwise, the company will not be responsible for any consequences caused.

- ✧ Make sure that the disconnecter is disconnected from the main line and that the control switch on the panel is turned off.
- ✧ Open the maintenance panel on the dehumidification equipment and make sure there are no impurities in the equipment or electrical equipment compartment.
- ✧ Ensure that the air volume adjusting valve is in the open state and there is no blockage.
- ✧ Check the installed air filter to ensure that it is in a clean state.
- ✧ Ensure that the main power fuse has appropriate power rating and check the built-in fuse.

1. Check air pipe connection

- ✧ Check whether the equipment is installed according to the design position and space requirements.
- ✧ The equipment shall be installed and fixed.
- ✧ Ensure that the air ducts of dehumidification system are connected as per installation design
- ✧ Leave all air valves half open.
- ✧ Ensure that the equipment transport packaging has been removed.
- ✧ Check whether other parts on the equipment are installed correctly and whether the resistance value of the electric parts is normal.

2. Electrical connection

- ✧ Ensure that the supply voltage and frequency are consistent with the required supply voltage frequency of the equipment.
- ✧ Ensure that the supply voltage conforms to the rated voltage of the equipment, and the fluctuation range of voltage and frequency shall not exceed 10% of the rated power supply
- ✧ The equipment is strictly grounded and disconnecting switch is set to ensure that the equipment is insulated from the power supply during operation and inspection.
- ✧ The power of disconnecting switch and fuse must match the performance of the installed dehumidifier.
- ✧ Power supply cables meet the design requirements.
- ✧ Check whether all wires are firmly connected.

3. Automatic control system

- ✧ Check the installation location of external sensors (the representative location of humidity in the controlled area)
- ✧ Check whether the installation of control components and the connection of control lines are correct.
- ✧ Ensure that the working voltage of the control parts meets the requirements.
- ✧ Confirm that there is no serious heating after power supply of control components.
- ✧ Check the configuration and setting parameters of the controller.

5.3 Test run of dehumidifier

- ✧ Make sure that the dehumidifier is powered on and the unit is in standby state. Turn on the button on the panel.
- ✧ Check whether the rotation direction of the fan is correct. The correct rotation direction should be consistent with the arrow direction marked on the fan housing.
- ✧ Check whether the vibration of the dehumidifier is normal and whether there is any noise inside the equipment.
- ✧ Press the panel shutdown button, the equipment should stop running, and the unit should return to standby mode.
- ✧ Check whether the drainage is smooth and whether the drainage pipe leaks.
- ✧ Touch the wire with your hand to see if it is hot. If so, please contact the manufacturer to confirm the cable specifications.

5.4 Air volume adjustment

- ✧ Start the dehumidifier and run continuously for 10 minutes
- ✧ Adjust the valves on each air duct and adjust the air flow according to the design and process requirements.
- ✧ Lock the air valve after the air volume is adjusted correctly.

5.5 Dehumidification performance test







- ✧ Ensure that the system air volume is rated or any other required parameters. According to the technical parameters of the equipment, determine whether the dehumidification performance is normal.
- ✧ Double check every 20 minutes to determine the stability of the dehumidification process.
- ✧ Detect the air humidity of the air supply system in each return air path and air supply, calculate whether the mixing ratio is normal, and judge whether the air pipe is leaking.
- ✧ Record the test results of each status point in the debugging report.

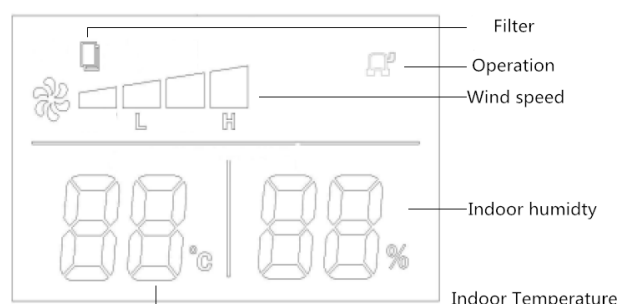
Note: the instrument to be tested must be calibrated and each test should be conducted at an interval to ensure accuracy.

Chapter 6. Operation

6.1 Introduction of the control system

The control and operation of the ceiling dehumidifier are automatic control system, which is simple to operate.

- 1、 Power
- 2、 Reset filter workint time
- 3、 Indicate filter working time
- 4、 Set
- 5、 Add
- 6、 Subtract



Control panel operation instructions

1. Function setting

- ✧ Switching machine: short press the power button to open or close the controller. When the controller is OFF, the screen shows OFF and the output is OFF.
- ✧ Wind speed adjustment: the fan can be adjusted at low or high speed by pressing the button to increase or decrease parameters.
- ✧ Screen working time display: press the screen working time button to display the screen working time. The original display position of temperature and humidity will display the accumulated working time of the screen. When the fan starts up, the filter starts timing. When the accumulated working time of the filter exceeds the set time, the filter icon will flash.
- ✧ Filter cumulative time reset: press the filter working time reset button to reset the accumulated working time.5. After the controller has no button operation for more than 30 seconds, the backlight will automatically turn off and enter the sleep energy saving state. Press any key to wake up.

2. Modify the setting value

1. Long press the setting button for 2 seconds to enter the setting of humidity value, and the original humidity display position will flash the dehumidification setting value. Change the parameter value by pressing the increase or decrease button, and set the range of 5-90%.After 10 seconds, no key operation will automatically exit the Settings and maintain the data.
2. If the humidity value is set for 5 seconds and the setting button is pressed for a long time, the humidity value correction can be entered. The position where the humidity was originally displayed will flash the humidity. Modify the value by pressing the increase or decrease button, and set the range to plus or minus

4%; Short press the setting button again to enter the temperature value correction, the original position of the display temperature will display the temperature correction value flashing. Change the value by pressing the increase or decrease button, and set the range to plus or minus 4 degrees Celsius. Press the Settings button again to enter the filter time setting. The original position of temperature and humidity will display the filter time. Set the range (0-99) *100 hours by pressing the increase or decrease button to modify the value. Pressing the Settings button again or no button for more than 10 seconds will automatically exit the Settings and save the data.

3. Operation instructions

1. If the ambient humidity is 90% >, the machine should be operated by continuous dehumidification.
2. If the environmental humidity is less than or equal to 90%, start dehumidification when the environmental humidity is greater than or equal to the set humidity +3%; When the ambient humidity +1% is still less than the set humidity, stop dehumidification.

Note: when the ambient temperature is less than or equal to 18 degrees Celsius or the temperature and humidity sensor fails, the machine shall run in a cycle of 30 minutes for dehumidification and 6 minutes for defrosting.

Chapter 7. Maintenance

7.1 Maintenance introduction

The ceiling dehumidifier can run for a long time and only requires minimal maintenance. The maintenance of dehumidifier helps the unit to run well for a long time. The maintenance frequency depends on the operating state of dehumidifier and the severity of installation environment. Therefore, the recommended maintenance cycle can be determined based on the actual installation. If not maintained properly, dehumidification performance may be reduced.

7.2 Filter

The dehumidifier is equipped with a separate filter, in which the filter for handling the return air is installed separately at the entrance of the equipment. Thus the air entering the dehumidifier can be filtered. The interval between cleaning or replacing the filter should be based on the air quality at the installation site. Do not run dehumidifier without filter. Otherwise, dust and impurities will enter the equipment, reduce the dehumidification performance of the equipment, and cause the compressor to start defrosting function frequently. It is recommended that the filter be checked at least once a month.

7.3 The motor

The electric shock is equipped with a bearing, the service life of the bearing and the motor. Therefore,

there is no need for additional maintenance. The motor should be checked once a year to ensure its working condition is normal.

7.4 Maintenance list

The table lists the inspection and maintenance procedures for the general components of the unit, excluding the auxiliary components. If necessary, please refer to the equipment manufacturer for additional information.

Parts	Inspection and maintenance	
	3-6Months	12Months
Filter	Clean filters and replace filters if they are dirty	
Compressor	Check whether the compressor is working properly and the vibration is normal.	Check compressor wiring and make sure it is not loose and check for signs of damage and overheating.
Heat exchanger	Clean up debris and dust on the surface and bottom of the heat exchanger	
Defrost valve		Check for signs of overheating and blockage. If there is any wear, it should be replaced.
Seal	Check for signs of damage and displacement. If there is any wear, it should be replaced.	Check for signs of damage and displacement. If there is any wear, it should be replaced.

Chapter 8. Troubleshooting

8.1 Fault introduction

The purpose of this chapter is to help the equipment operators to analyze the cause of the failure and master the troubleshooting methods. Ceiling dehumidifier in the control method can be based on the use of requirements, convenient for automatic control connection. For the convenience of fault analysis, please refer to the circuit diagram and related information provided with the equipment.

- ✧ There is a high voltage inside the dehumidifier. Make sure that the power supply of the dehumidifier is cut off before taking any troubleshooting measures.
- ✧ The dehumidifier has a high temperature area (compressor) inside and should be allowed to cool before maintenance.
- ✧ The adjustment, maintenance and repair of the dehumidifier should be carried out by qualified technicians, who should be clear of high temperature and high voltage inside the machine.

8.2 Fault causes and troubleshooting methods

Trouble	Causes	Troubleshooting
Dehumidifier dehumidification capacity reduced or unable to dehumidify	<ol style="list-style-type: none"> 1. The filter is blocked 2. Reduced air flow 3. Air leakage 	<ol style="list-style-type: none"> 1. Clean or replace the filter 2. Check openings and air volume control panel 3. Check the panel and seal opening
Circuit breaker or fuse failure	Fan failure	Check blower and motor
The dehumidifier won't start	<ol style="list-style-type: none"> 1. No control circuit 2. Control signal failure 3. Phase short circuit fault 4. Fuse failure 	<ol style="list-style-type: none"> 1. Check the control fuse 2. Check external start or stop circuit 3. Check the main fuse and power supply 4. Check electrical parts
Dehumidifier does not dehumidify	<ol style="list-style-type: none"> 1. Frost on evaporator surface 2. The air valve of the air duct is not fully opened 3. Clogged filter 4. Humidity value is set too high 	<ol style="list-style-type: none"> 1. Check whether the pipeline is normal 2. Open the air valve 3. Replace the filter 4. Turn the humidity down
No dry air	<ol style="list-style-type: none"> 1. Filter the blockage 2. Fan failure 3. Power failure 4. The pipe is blocked 	<ol style="list-style-type: none"> 1. Clean or replace the filter 2. Check fan, motor or propeller 3. Check the main fuse and power supply 4. Check air volume regulation and ducts.

Chapter 9. Warranty Policy

Product Name	Ceiling Dehumidifier
Item No/Delivery Date	See Rating label
Place of origin	China
Manufacturer	Zhuzhu Sanda Electronic Manufacturing Co.,Ltd

Warranty terms

1. According to the terms of this warranty content, use this product under normal condition within the warranty period, in the event of failure, you can use this warranty card and invoice (copy) to enjoy free maintenance services in the service center.
2. During the warranty period, paid maintenance services will be implemented in the following circumstances:
 - ① Cannot show the effective product warranty card.
 - ② Omission, alteration and no sales company name on warranty card.
 - ③ The fault and damage caused by force majeure.
 - ④ Failure and damage caused by transportation, loading and unloading.
 - ⑤ Failure and damage caused by not operating according to the operation manual.
 - ⑥ Failure or damage caused by the removal, repair or modification of the product without the authorization of the manufacturer.
 - ⑦ The failure and damage caused by corrosion gas and dust of the using environment.
3. When the product needs warranty, please send the machine , the warranty card and purchase invoice (copy) to the designated service center or maintenance department. The shipping fee shall be borne by the user.
4. Please keep the warranty card properly , there will not be another one if it's lost.

[Warranty time]

The customer shall enjoy a year warranty service free of charge from the date of purchase.

Product Warranty Return Receipt

Customer Name/Seal			
Customer Address		Tel	
Item No		Code	
Purchase Date		Purchase Chanel	