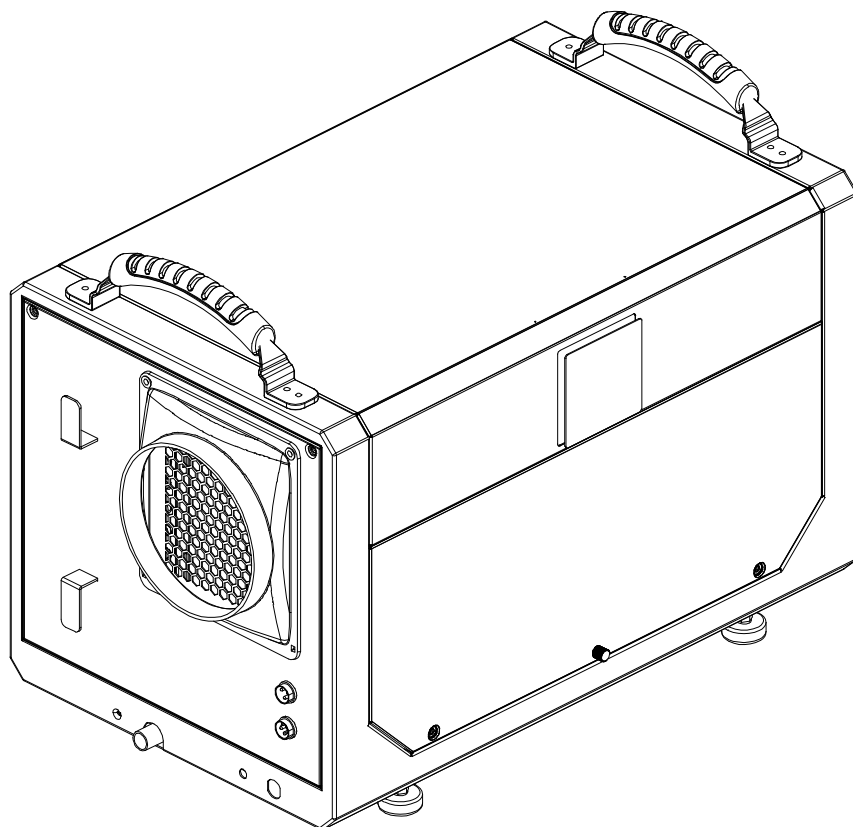




Commercial Dehumidifier User Manual



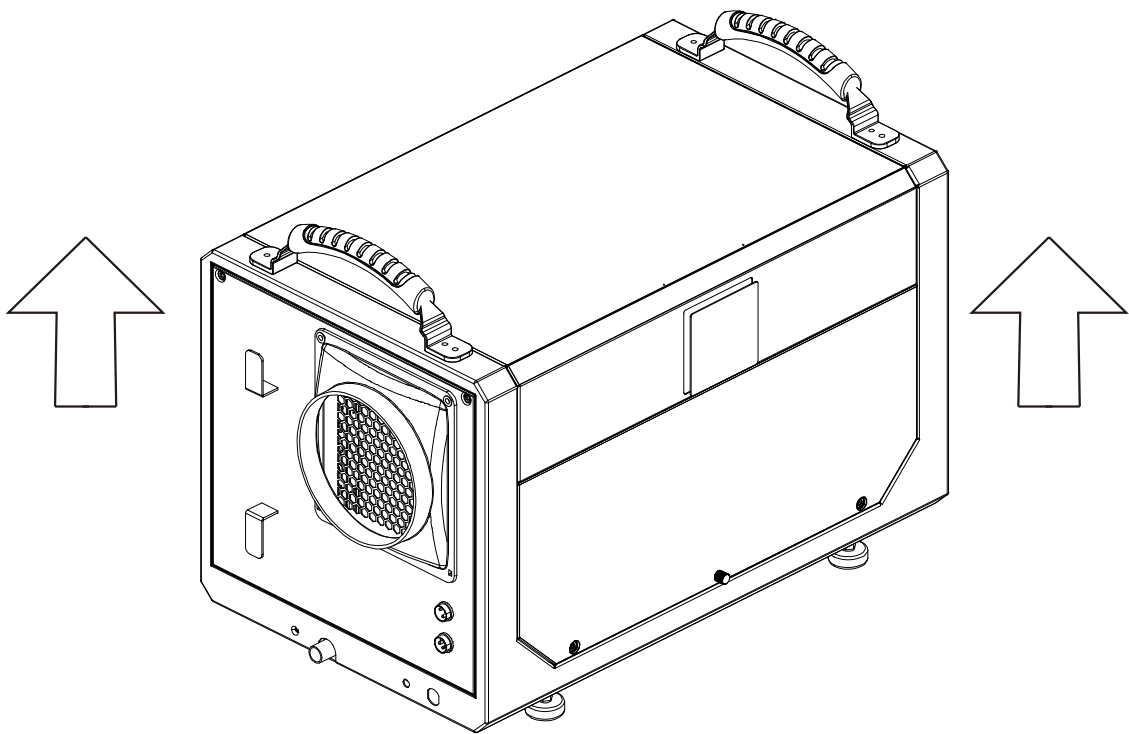
Please read this user manual before operating and save for future reference.

Model: DY155

BEFORE FIRST USE:

Please leave the dehumidifier sitting outside the box for **24 HOURS** before plugging it in.

The dehumidifiers may have been tilted or placed upside down during shipping. Leave The dehumidifier sits for 24 hours so the oil in the compressor can settle from the move, Not doing so can affect the performance or lifespan of the dehumidifier.



NOTE:

To continuously improve its products, ANDTE reserves the right to modify this information without prior notification. For any questions during assembly, please check the instructions on the product page for reference. Or contact our customer service with any questions, comments, or concerns , We are online 24H for you. Thank you for using ANDTE products in your home!

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Introduction

Thank you for choosing the dehumidifier by ANDTE!

We hope it will bring great convenience to your work and life.

We recommend that you save the user manual properly for future reference.

Before using this product, please read the user manual carefully to ensure that this product functions at its best.

The ANDTE's dehumidifier adopt an upgraded design, compact structure, easy to operate, and other characteristics, widely used in scientific research, basement, crawl space, greenery, laboratory, gymnasium, sanitation, commodity storage, underground engineering, and dehumidification in high humidity places such as kitchens, bathrooms, archives, warehouses, etc. Can be effectively avoided telecommunications equipment, materials, etc, are damaged due to dampness or rust.

Transportation and Custody

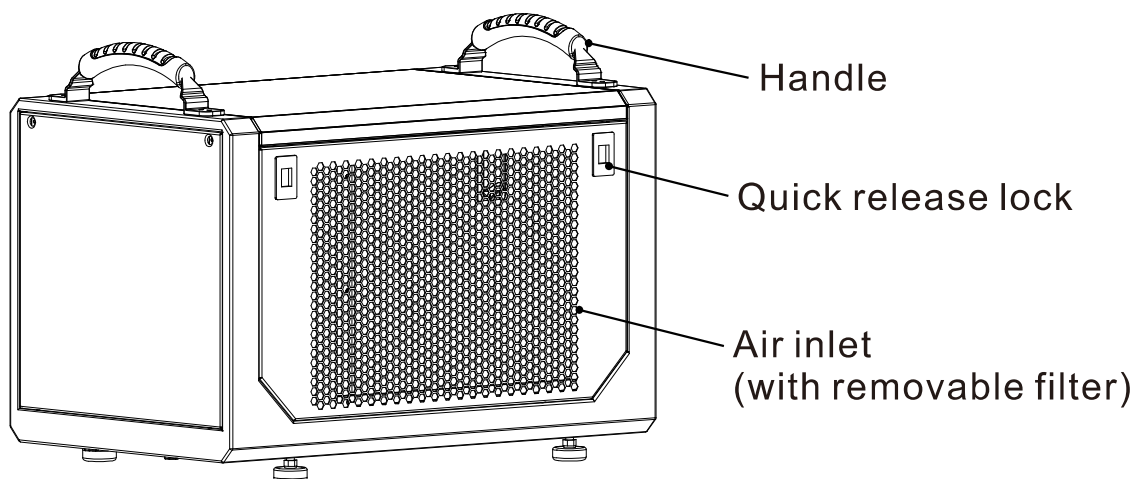
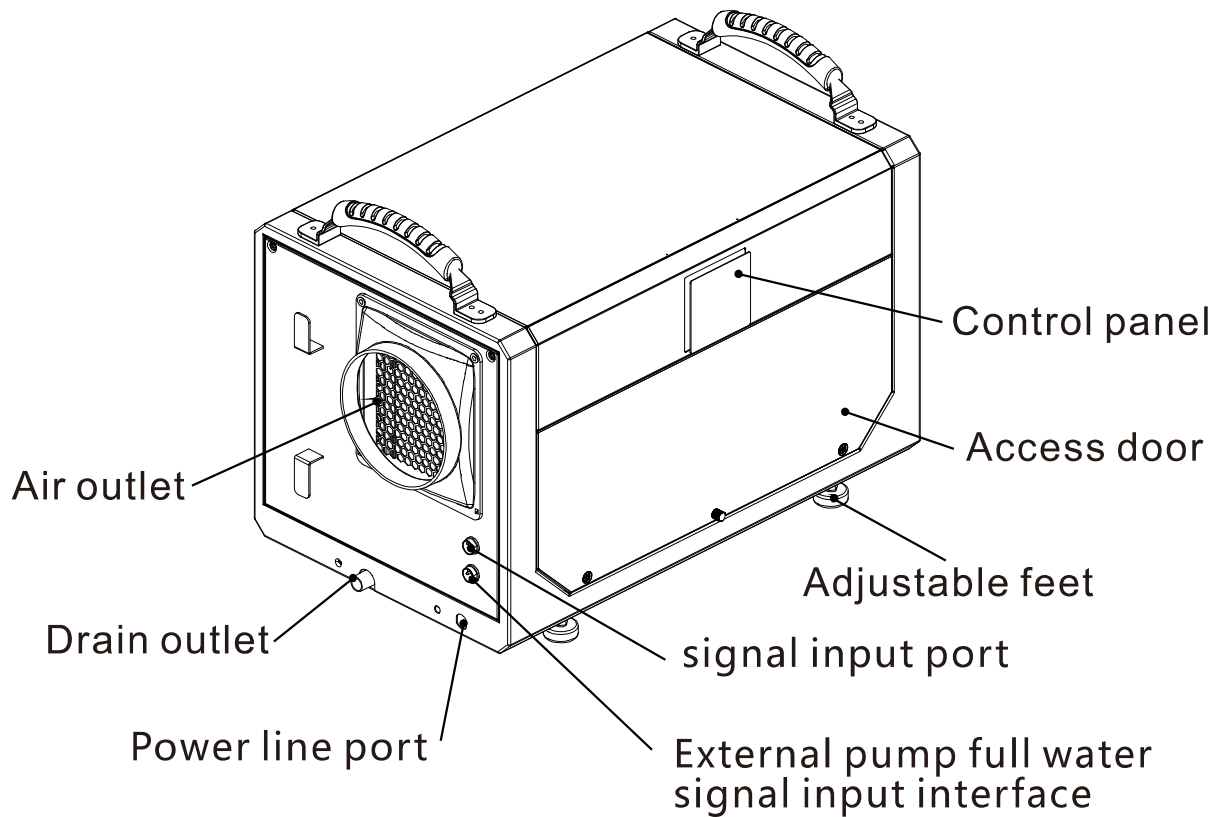
During transportation, this product should be handled preciously to prevent violent vibration. Generally, the packaged product should not be stored in the open air for a long time. It should be placed in a well-ventilated, non-corrosive gas warehouse. It should not be placed upside down. Rainproof measures should be adopted when stored temporarily.

Important Safety Tips

Before using the product, for safe and correct operation and maintenance, please read and understand the following safety tips

1. When cleaning or storing the dehumidifier, please pull out the plug first, cut off the power supply, and ensure safety.
2. Don't immerse the machine in water or close to water sources.
3. Don't place the machine near heating devices or flammable dangerous goods.
4. Don't insert fingers or stick-like objects into the air inlet or outlet.
5. Please ensure that the drainpipe is installed downwards so that the condensate can drain continuously.
6. The fuselage should be placed or installed horizontally to avoid tilting the fuselage.
7. Never spray the machine with water.
8. Don't spray pesticides or flammable liquids on the machine.
9. Don't place heavy objects on the machine or let children and animals ride.
10. The machine should not be operated in a confined and narrow space.
11. If the power cord is damaged, to avoid danger, it must be repaired or replaced by the manufacturer or its maintenance department or full-time maintenance personnel.
12. The power wiring of the machine must be carried out by the national standard wiring rules, and the power cord must be reliably connected to the external grounding wire.
13. The fixed wiring of the machine connection must be equipped with an all-pole disconnection device (air switch) with a contact distance of at least 3mm.
14. The model specification of the fuse is: 5A.
15. The distance between the machine and surrounding objects should be kept at least: 1 meter.
16. The dehumidifier is not allowed to be used by persons (including children) who are physical, sensory, or mentally retarded or lack experience and knowledge, don't touch the machine unless under the supervision or direction of an adult.
17. Children should be under the supervision of adults to ensure that they do not touch the machine at will.

Machine Structure Diagram

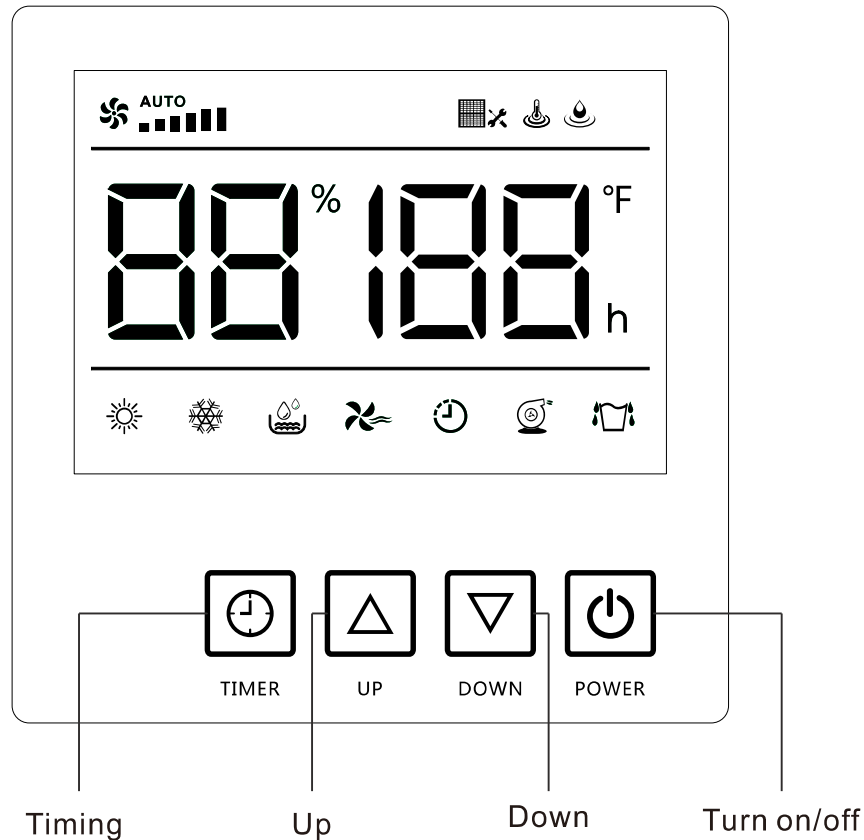


NOTE: There May be slight differences in the model, the actual machine shall prevail.

Operation Instruction

Understand the Control Panel

The control panel on the dehumidifier has an LCD screen and 4 buttons. Press the POWER Button to turn on the dehumidifier, the LCD screen will light up and display the readouts.



Used to power on or power off the machine.



Used for setting the time



Used to set the humidity and timing value down



Used to set the humidity and timing value up

Operation Instructions

Humidity Setting:

In the power on state, press the “Up” or “Down” button, then enter the humidity setting state: “RH%” light, “Big Number” flashing display humidity Setting value“***”. In the humidity setting mode, press “up” or “down” button to set the humidity value, setting range 10-98%RH. Press “Timer/Function” key once or after stop a few seconds to operation it, will automatically exits humidity settings.

Timing shutdown settings:

In the shutdown mode, set timing to timed power-on. In the boot state, timing is set to timed shutdown. In the startup/shutdown state, press Timer to enter the timer setting state“H” and the timing indicator is on. Temperature blinks and the timing time is 00.

In the timed setting state, press the "up" key or"Down" key to set timing, set the range of 1~24h, can be set cycle. When the set time is valid, Temperature displays the ambient temperature (in this case, press Timer) once. You can view the remaining timing time.


Action Description


- 1) Power on: Fan open, delay a few seconds compressor 1 open, in the delay of a few seconds compressor 2 open.
- 2) Power off: Compressor 1 and compressor 2 at the same time stop, after a few seconds delay the fan stop.
- 3) In order to prevent the machine start and stop frequently, the boot interval has a 3-minute delay.




Status Description

In the delay boot state, “run” character flashes;

The fan is running, “” light, otherwise off;

When the compressor is running, means in the dehumidification state, “” light, otherwise off;

When humidity is reached to set humidity and stop dehumidification, the control wet character “” flashes;

When the pump is running, the “water full” and “” flashes, when the pump fault, the “water full” and “” flashes, when the pump fault, the “water full” and “” light, otherwise off.

Water Full Protection Function

In the power-on state, when the dehumidifier receives the water full signal from the external water pump.

- 1)Water Full Action: the compressor stops running immediately, and the fan stops running after a delay of 3 minutes .
- 2)Water Full Signal Remove: the fan and compressor operate according to the humidity control requirements humidity .

State Description

- 1)**Power On:** The fan starts running, and the compressor starts to run after a delay of a few seconds.
- 2)**Power Off:** The compressor stops running immediately, and the fan stops after a few seconds delay.
- 3)To prevent the machine from starting and stopping frequently, there is a 3-minute delay in the start-up interval.

Turn The Dehumidifier Off

Press the Power Switch to turn the dehumidifier off.

Note: To protect the compressor, the fan will continue to operate for 5 seconds after the dehumidifier has shut off. So please do not disconnect the power cord to force the dehumidifier to stop.

Always use the power button.

Fault Code

S/N	Error Code	Causes	Solutions
1	EC (Control Panel Communication Failure)	1. Faulty Main Control Board. 2. Faulty Display Panel. 3. Faulty Connection Cables.	1. Replace the main control board. 2. Replace the display panel. 3. Replace communication cables.
2	E1	Humidity Sensor Malfunction	1. Check the humidity sensor and ensure it is in good condition. 2. Replace the humidity sensor.
3	E2	Defrost Temperature Sensor Malfunction	1. Check the temperature sensor and ensure it is in good condition. 2. Replace the temperature sensor.
4	E4	Inlet Temperature Sensor Malfunction	1. Check the temperature sensor and ensure it is in good condition. 2. Replace the humidity sensor.

(Whether the above fault codes exist depends on whether the actual model has this function.)

Drain Water

Dehumidifiers Adopt Drain by Gravity, the collected condensation water can be drained by gravity.

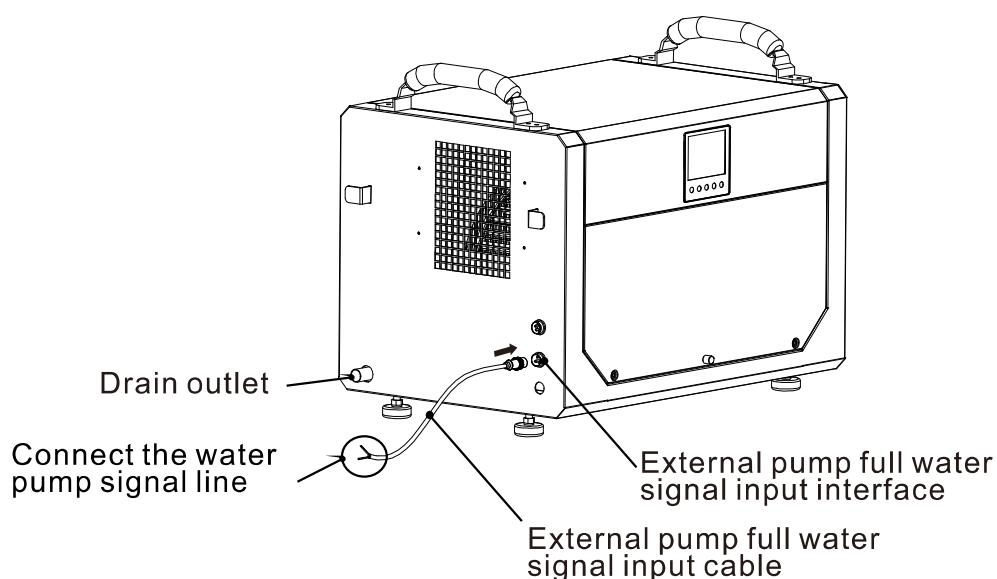
When using gravity to drain:

- 1) Connect the drain hose to the Gravity Drain Outlet;
- 2) Place the unattached end of the hose in a suitable drainage facility. The drainage facility should be lower than the drain outlet of the dehumidifier. (Ensure there are no kinks or other obstructions that will stop the water to flow.)

Note:

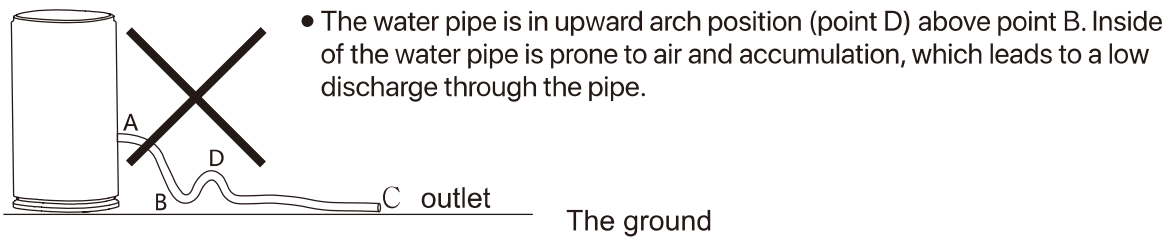
- 1) If you use a bucket or other container for water collection, check it regularly to prevent overflows.
- 2) Connecting a drain hose that is too long is not recommended, as it may cause water to back up, causing a leak.
- 3) If the drain hose is too long, water may not drain completely, which can lead to stagnant water and mildew building up inside the hose.
- 4) Before moving the dehumidifier, make sure the condensed water inside is completely drained to avoid water leakage.

When it is necessary to connect an external water pump, one end of the drainpipe is connected to the water outlet, and the other end is connected to the water inlet of the water pump.

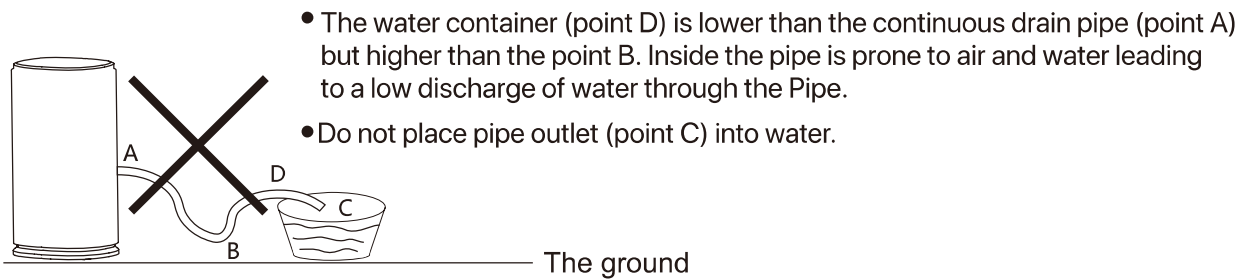


Note: The reserved external water pump signal input port cannot be connected to the power supply, so as not to cause the main board of the product to burn out

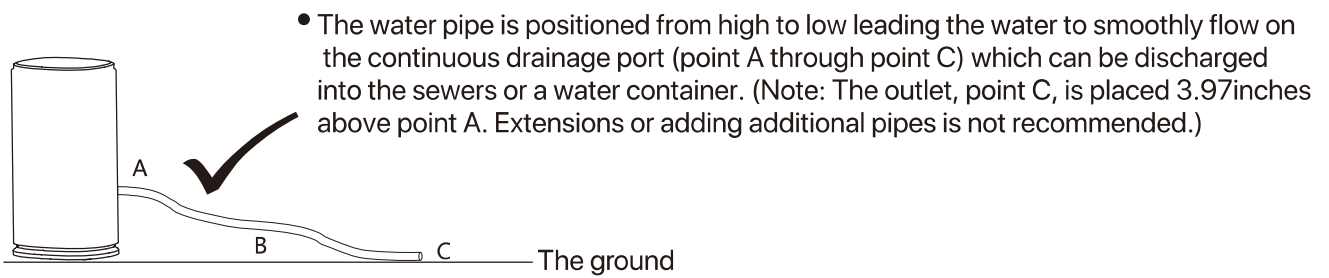
Picture 1: Example of improper installation.



Picture 2: Example of improper installation.



Picture 3: Example of proper installation.

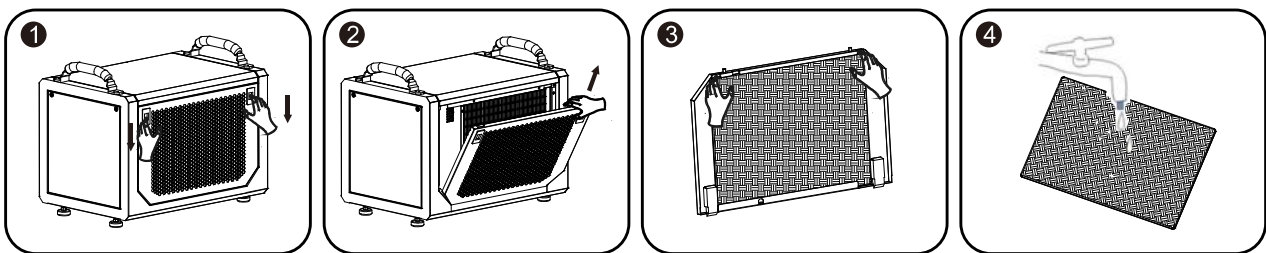


The picture is for reference only.

Maintenance

Unplug the power cord before maintaining and cleaning the dehumidifier. Use a soft damp cloth to clean the body of the dehumidifier. Don't use detergents, scrubbing wires, chemically treated dusting cloths, gasoline, thinner, or other solvents to clean and wipe the machine.

Steps to remove the filter:



Clean the filter:

There is a washable filter behind the dehumidifier to filter airborne dirt. It is recommended to check the filter regularly and clean it at least once a month.






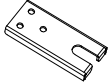
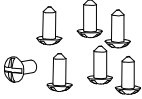
- 1) Use a vacuum cleaner or something to gently remove the dirt on the filter;
- 2) If the filter is particularly dirty, rinse it with warm water and mild detergent, and dry it thoroughly; do not expose the filter to direct sunlight or use other exothermic products to dry the filter, which will deform the filter and its frame;
- 3) Put the dried filter back into the dehumidifier; If the dehumidifier fails, please follow the "Troubleshooting" in the manual before contacting ANDTE support. Do not repair or disassemble the dehumidifier by yourself.

Improper maintenance may endanger the safety of users.

Note: Don't operate the dehumidifier without a filter because dirt and lint maybe clog it.

Parts List & Ceiling Mode Parts Installation

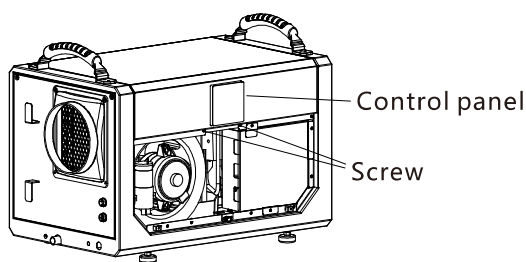
1. Parts list:

Picture	Name	Quantity
	Control panel external connection cable	1PCS
	External pump full water signal input cable	1PCS
	Control panel hole cover	1PCS
	Drain pipe	1PCS
	Drainpipes Fastening Rings	1PCS
	Gasket	4PCS
	M5 screw	15PCS

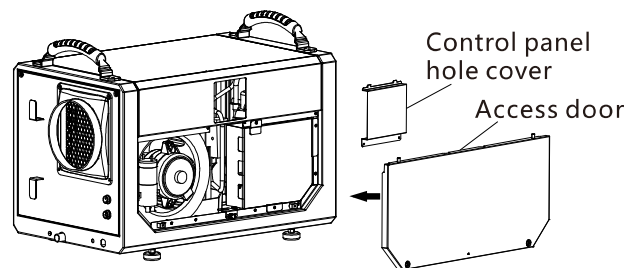
1. Installation diagram of parts in ceiling mode:

Note:The following operations need to be performed with the power off.

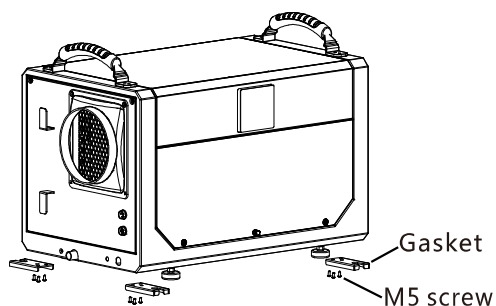
- 1 Use a Phillips screwdriver to unscrew the two screws below the display, and remove the control panel



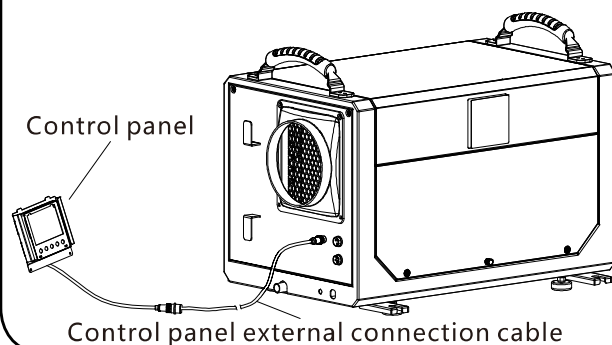
- 2 Install the control panel hole cover, and use a screwdriver to tighten the two screws below; install the access door.



- 3 Use 4 gaskets, each locks them with 3 M5 screws from the top to the reserved holes.



- 4 Use the external connection cable of the control panel to plug the two display interface, installation is complete.



Troubleshooting

Before seeking support from the service team, you can check the following troubleshooting tips:

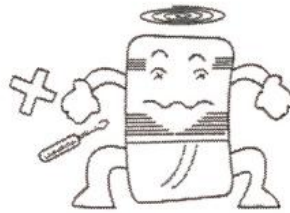
Fault	Cause	Solution
Dehumidifier not working	<ol style="list-style-type: none"> 1.The fuse is blown 2.Machine failure prompt 	<ol style="list-style-type: none"> 1.Replace the fuse; 2.Query the fault code and request the manufacturer's technical support;
Dehumidifying effect is not obvious	<ol style="list-style-type: none"> 1.Air filter fouling; 2.There are obstacles in the air inlet and outlet of the dehumidifier; 3.The space is not sealed; 4.Refrigerant leakage; 	<ol style="list-style-type: none"> 1.Clean the filter; 2.Remove obstacles; 3.Close the doors and windows, the dehumidification effect of the confined space is more obvious; 4.Contact the agent or manufacturer for maintenance;
Water leakage	<ol style="list-style-type: none"> 1.Machine tilt; 2.The outlet pipe is Blocked; 	<ol style="list-style-type: none"> 1.Adjust the machine and place it horizontally; 2.Remove the access door to remove the foreign matter blocked in the pipe;
Abnormal noise	<ol style="list-style-type: none"> 1.The machine is not placed smoothly; 2.Is the filter blocked; 	<ol style="list-style-type: none"> 1.Relocate the machine to a stable place; 2.Clean the filter;
Humidity always shows "10" (when there is a big difference from the actual humidity)	Humidity sensor failure	<ol style="list-style-type: none"> 1.When the "10" fault phenomenon is always displayed, the humidity is set to 10%RH, and the machine can still continue to run and be used normally; 2.Repair and replace the humidity sensor;
Humidity always shows "99" (when there is a big difference from the actual humidity)	<ol style="list-style-type: none"> 1.The surface of the humidity sensor os condensed or wetted with water; 2.Humidity sensor failure 	<ol style="list-style-type: none"> 1.When the "99" fault phenomenon is displayed all the time, the machine can still continue to dehumidify and operate normally; 2.After the machine has been running for a period of time, when the moisture on the surface of the humidity sensor dissipates,ig can automatically remove the fault and resume normal operation; 3.Repair and replace the humidity sensor;

1. When the above fault cannot be eliminated and it is confirmed that repair is required, please contact the ANDTE support, please do not disassemble the machine for repair without authorization.
2. When the dehumidifier is running or stopped, it is normal to hear the sound of refrigerant circulating.
3. It is normal for hot air to be discharged from the air outlet.

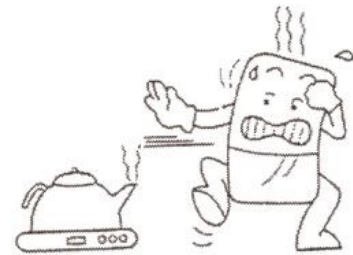
Safety Precautions



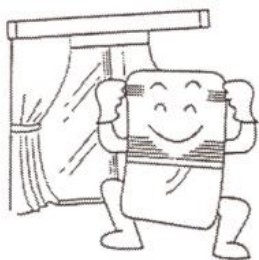
1. When using, do not place the dehumidifier on soft, uneven ground to avoid vibration or movement.



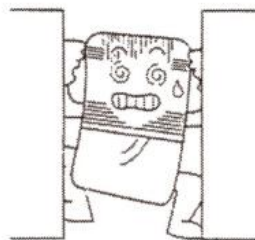
2. Do not use thin rods or hard objects to insert into the fuselage to avoid malfunction or danger.



3. When using, please keep the dehumidifier away from heat sources such as heaters and electric kettles to save electricity.



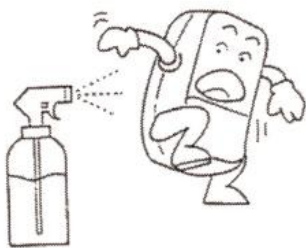
4. When using, please close the doors and windows to achieve the best dehumidification effect.



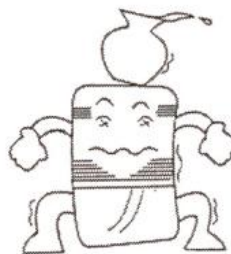
5. Do not place items before and after the dehumidifier. If the ventilation is blocked, the dehumidification effect will be affected.



6. In case of power failure or long-term non-use, please unplug the power cord.



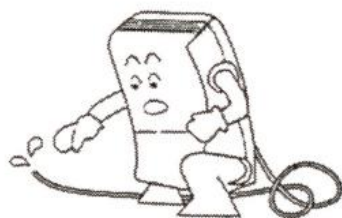
7. When cleaning the dehumidifier, gently wipe it with a damp cloth, do not directly spray water to clean it.



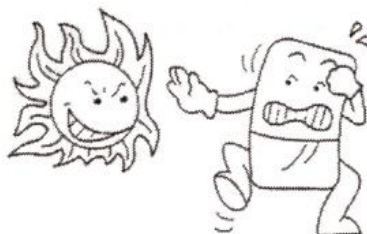
8. Do not place any objects on the dehumidifier.



9. Please clean the filter every two weeks (do not use hot water above 104°F/40°C, alcohol, gasoline, or toluene).



10. During continuous drainage, the drainage pipe must be placed horizontally or downwards, and must not be uneven or entangled.



11. After the filter is cleaned, please do not place it in direct sunlight to dry it to avoid deformation.



12. Before moving or carrying the dehumidifier, please pour out the accumulated water in the water tank.



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