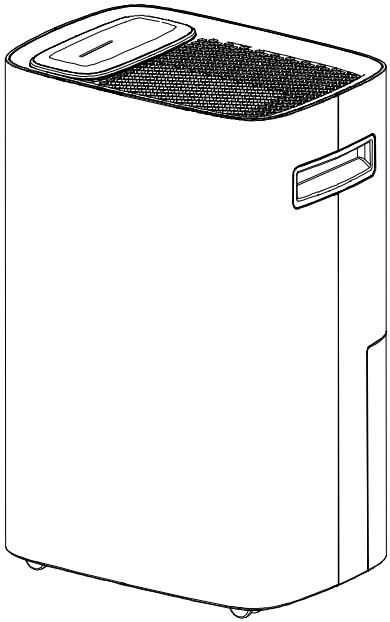
ANDTE

Home Dehumidifier User Manual

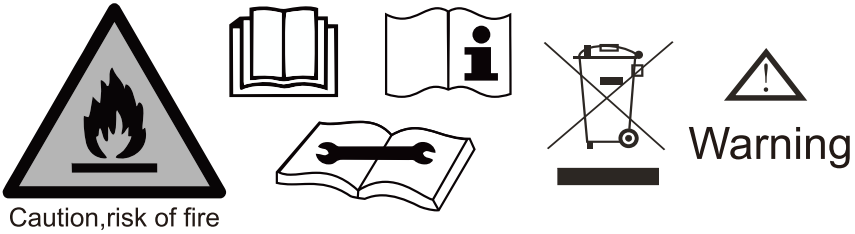


Please read this user manual before operating and save for future reference.

Model: PD50K

WARNING

- Manufacturer recommendations.
- The equipment should be stored in a room without ignition source(include fire, Working gas equipment,Working electric heater).
- Please don't puncture or burn it.
- Note that refrigerants may not contain odors.
- Refrigerant must be added at the specified location.
- This product can not be disposed of with other household garbage, Please classify it correctly, And put it in places where it can be recycled to promote sustainable use of resources.
- The equipment shall be installed in accordance with national wiring requirements.
- If the power cord is damaged. It must be replaced by the manufacturer, agent or professional.
- The device should be used by worker under the guidance of the professional.
- Keep out of infants, children, and the elderly



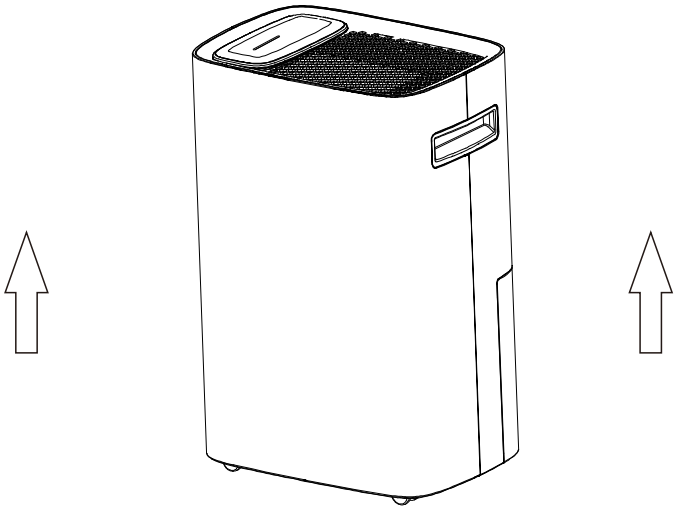
CAUTION

- Do not place the dehumidifier near a heater, do not use the dehumidifier near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
- Do not use the proudct if the power cord is broken or damaged.
- Do not use the socket if it is oose or damaged.
- Do not modify the length of the power cord length or share the outlet with other dehumidifiers.
- Never try to take apart or repair the dehumidifier by yourself.
- Do not place a heavy object on the power cord and make sure that the cord is not compressed.
- Do not place flower vases or other water containers on top of the dehumidifier.
- Do not operate or turn off the dehumidifier by plugging in or unplugging the dehumidifier. Use the control panel instead.
- Make sure to turn off and unplug the dehumidifier before cleaning.
- Turn off and disconnect the power when not using the dehumidifier for a long time.
- Use a piece of soft cloth to clean. Do not use wax, thinner, or a strong detergent.
- Do not climb on or sit on the dehumidifier.

BEFORE FIRST USE:

To prevent any internal damage, it is very important to keep refrigeration units (like this one) upright throughout their journey.

Please leave it standing upright and outside the box for **24 HOURS** before plugging it in.



Welcome

Thanks for choosing ANDTE dehumidifier!

ANDTE is dedicated to keeping people healthy, comfortable and more enjoyable by offering quality appliances ranging from dehumidifiers to ice makers, and more. From breathing easier in your office to upgrading your kitchen appliances, we hope ANDTE could help you every step of the way.

READ THIS MANUAL INSTRUCTION CAREFULLY BEFORE USING THE UNIT. PLEASE KEEP THIS FOR FUTURE REFERENCE.

ANDTE PD50K home dehumidifier reducing humidity to comfortable levels in a short period of time. This dehumidifier has a sturdy housing to withstand harsh environments, is safe and easy to use, guarantees long-term use and easy maintenance,plus we use a copper tube condenser and high quality and accurate sensors, it will be more effective and last longer.

Before plugging in your new dehumidifier, we suggest that you read this user manual as it contains important safety information, operation instructions, troubleshooting, maintenance tips, and warranty information to ensure the reliability and longevity of your dehumidifier.

We're always just an email away

To access customer support, please email to **AndteServices@outlook.com** with your purchase order.

Thank you again!

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Statement

The graphics and functions provided in this manual may not be the same as the actual product. Please always refer to the actual product.

The model of the machine on the manual is for reference only. Please check the corresponding content and operate the machine based on the actual product.

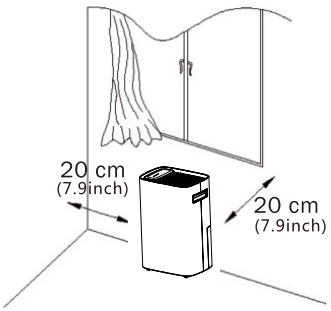
The right to interpret the relevant terms belongs to the company.

SAFETY INSTRUCTIONS

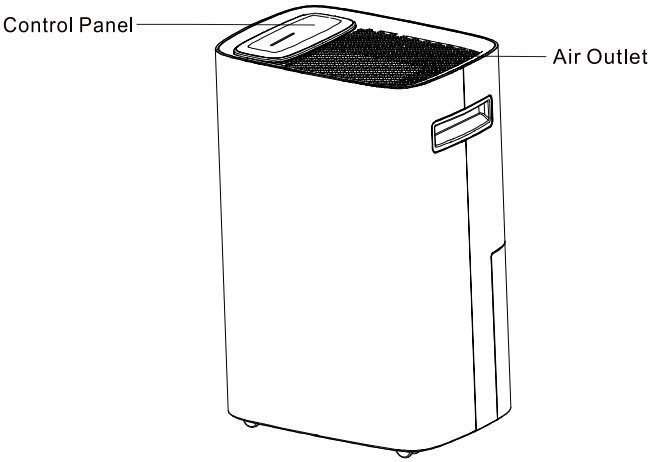
Safety Notes:

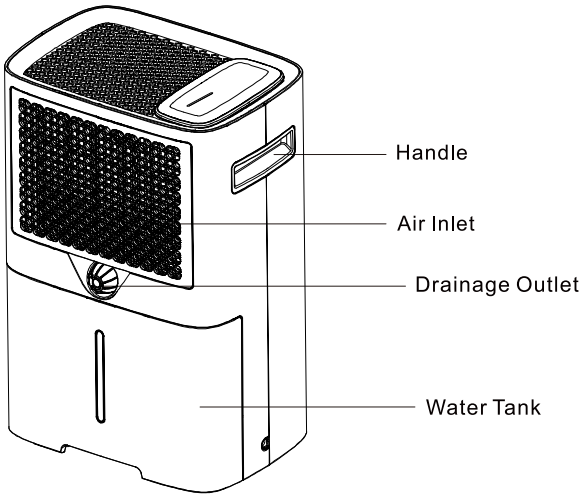
For your safety, please read the manual carefully and keep the manual before you use the manual for reference.
Please use this product according to the instructions of installation and operation of this manual.

- Before cleaning the dehumidifier, turn off the power and unplug it from the power outlet.
- Please do not place the machine near any heat source or flammable goods.
- Do not insert your fingers or sticks into the air inlet or outlet.
- Always keep the machine on even surface, instead of placing on uneven or slopping ground.
- Do not spray water, insecticides or flammable liquids on the unit.
- This machine should not be placed in a confined and narrow space.
- When the power cord is damaged, it must be replaced by the qualified technician approved by our company.
- When using the dry clothes function, the clothes should be kept at least 40cm away from the air to prevent water from entering the outlet and damage the machine.
- The machine power wiring must be in accordance with national wiring rules, and, power line should be connected to the reliable external Earth Line.
- The fixed wiring of the machine connection must be equipped with an all-pole disconnect device (air switch) with at least 0.118-inch distance of electric shock.
- Model specification of safety tube:3.15A.
- This appliance can not be used by children aged under 8 years old and persons withreduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given supervision or instructions concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- When using dehumidifier, other objects surrounding the machine need to be kept at least a distance of 7.9 inches (20cm) as shown in the picture on the right:



Parts Identification





1.Control Panel

POWER Button
To turn the dehumidifier ON/OFF.

MODE Button
To select working mode between DEHU, DRY, CONT.

TIMER Button
To set auto ON/OFF timer in 1-24 hrs.

SPEED Button
To select fan speed between high and low.

HUMIDITY Button
To set the humidity within a range of 30%RH to 80%RH in 5% increments

LOCK Button
It is used to open and release the child lock function.

WATER FULL Indicator
Indicates the water tank is full.

2.Setting

Setting Humidity

The humidity level can be set within a range of 30%RH to 80%RH in 5% increments.

- -When it starts to work, it will first automatically detect and show the room's humidity. Press the "SETTING" button to change the humidity selection in 5% increments. " 88 " will Flash and show the setting humidity.
- -Press "SETTING" to make the humidity increase OR decrease by 5%RH.
- -After no operation for 5s, " 88 " will show the actual room humidity.
- -When the humidity level is higher or drops to the level you have set, the dehumidifier will automatically begin to work or stop.
- -When the humidity level is set at 30%RH, the dehumidifier will work at continuous dehumidifying mode.

Child Lock Setting

Press and hold the “ ” button for 3-5 seconds to lock or unlock the control panel. When the “ ” function has been activated, the indicator illuminates, and other buttons will be disabled. To regain use of the buttons, unlock the control button.

Timer Setting

This TIMER setting function is designed for you to set a time to turn off or turn on the machine, automatically by the timer.

1. Press the "TIMER" button to select the timer by 1-hour increment. You can set the timer up to24 hours. It will start to do the countdown when you start the timer.

2. Press and hold the "TIMER" button for several seconds to make the selection of the timer faster.

3. If the time is set to 00, this is called the invalid time. If you set the timer successfully, the light "TIMER" will be up. The LED screen will show the remaining time if you press the"TIMER" button, and display the current humidity automatically after a few seconds.

Operation Instructions

Speed Button

Control the fan speed. Press to select either High or Normal fan speed. Higher fan speed will result in quicker moisture removal. Set the speed high for maximum moisture removal. When the humidity has been reduced and quiet operation is more preferred, set the fan speed back to Normal.

DRY (Laundry Dry) Mode

Press the " ⊛ " button until you see the "DRY" indicator light up on the display to select DRY-CLOTHES mode. In the DRY mode, the dehumidifier will run continuously at high fan speed.

Note: In the DRY mode, the SETTING button and the SPEED button is disabled.

CONT (Continuous) Mode

Press the " ⊛ " button until you see the CONT indicator light up on the display to select continuous mode. In CONT mode, the dehumidifier will run continuously until the water tank is full.

Overflow Protection

When the water tank is full of water, the machine will turn off automatically. The indicator light " 🪣 " will flash. After you empty the water from the water tank, the indicator light " 🪣 " will turn off. The machine will restart to work.

Caution:

Water tank must be placed in right position, otherwise will cause the water full alarm.

Convenient Drainage

When the water tank is full, the Full Tank indicator will light up. No need to check the tank from time to time.

Auto Drainage: The dehumidifier has continuous drainage outlet where you can just simply attach the 6.56 ft. hose for continuous draining.

Manual Drainage: When the water tank is full, the "Full Tank" indicator will light up, the dehumidifier will automatically switch off and will start to turn on automatically when the tank is emptied and placed back to the unit.

More Functions

Auto Shut-off

When the water tank is full and or the room humidity reaches the setting value, the dehumidifier will stop working automatically.

3 Minutes Delay Protection

The compressor features the "3 minutes delay protection" function— When the dehumidifier is powered, the compressor can only start again 3 minutes after its last shutdown.

Auto Defrost

When the dehumidifier is running at a lower temperature, the system will automatically determine whether there is a presence of frost. If any frost exists, it will defrost automatically.
The fan will runs at high wind speed and the compressor will stop.
During the defrosting process, the POWER indicator will flash.

Auto Restart

If the dehumidifier shut off unexpectedly due to the power outage while it's running or in standby mode, the dehumidifier will restart with the previous function setting (working mode, setting humidity value and fan speed, etc.) automatically when the power resumes.

4Scene light settings

S/N	Lamp color	Applicable status
1	Light cyan	0%≤Ambient humidity≤39%
2	Light green	40%≤Ambient humidity≤60%
3	Blue	61%≤Ambient humidity≤80%
4	Orange	81%≤Ambient humidity≤100%

3. Display Status Description

- When the device is currently powered on, before switching on the machine for further operations, only the power button light up.
- Setting light " ⏲ "If the timer is set up properly, the indicator light will be up, flash if press TIMER button again to check and reset, and go out if non-successful setup.
- High-speed indicator light " ≋ ": If you set the unit to high speed fan mode, the indicator will light up.
  Low-speed indicator light " ≈ ": If you set the unit to low speed fan mode, the indicator will light up.
- Dehumidification light " ⊖ ": When the machine starts to dehumidify, the indicator light will be on.
- Water full light indicator " ⍈ " When the water tank is full, this indicator will flash.
- When the dehumidifier normally works, " 88 " will show the current humidity.

4. Instructions for Drying Clothes

1.The dehumidifier can be used for drying clothes in rainy weather.

Step 1.

Hang the washed clothes in a small space such as cloakroom, bathroom, or storage room.

Note: Keep away the unit from the water drips of the washed clothes.

Step 2.

Open the dehumidifier and set the humidity level at 30%RH. It is best if you let the air outlet of the dehumidifier to blow air to the clothes directly.

2. The drying effect will vary from the thickness of clothes, the number of clothes and the size of the drying space. Theoretically, the effect will be better when clothes are few, thin and space is small.

3. The drying process would take 3-8 hours, and we suggest that continuous drainage mode would be more suitable when drying clothes.

5. Faults & Processing Methods

Fault Phenomenon	Analysis of Causes	Processing Method
Humidity always shows "25%RH"(There is a big difference from the actual humidity)	Humidity sensor failure?	Set the humidity to 30%RH, the dehumidifier can still continue to work, and can be used normally.
		Repair and replace the humidity sensor.
Humidity always shows "99%RH"(There is a big difference from the actual humidity)	1. Water on the surface of the humidity sensor? 2.Humidity sensor failure?	The dehumidifier is not affected and can continue to work, and can be used normally.
		Please let the dehumidifier keep working for a period of time, after the water on the surface of humidity sensor is removed, it will return to normal.
		Repair and replace the humidity sensor.

Note:
Before starting the machine, please ensure that the air outlet has been opened, otherwise the machine will overheat. Do not pull out the power cord directly to stop the machine.

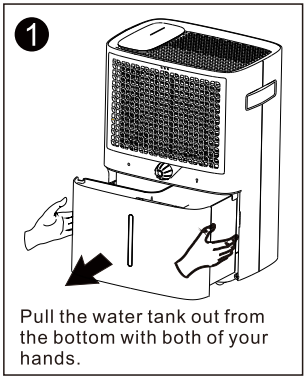
6. Empty The Water Tank

Two ways are available to remove the collected water.

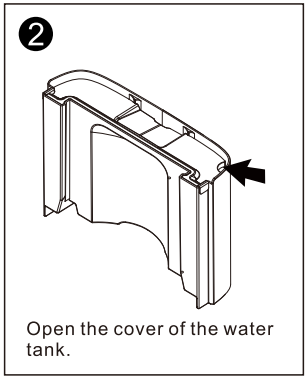
Use The Water Tank

When the water tank is already full, the WATER FULL indicator will light up, the dehumidifier will automatically shut down until the tank has been emptied and placed back to the unit.

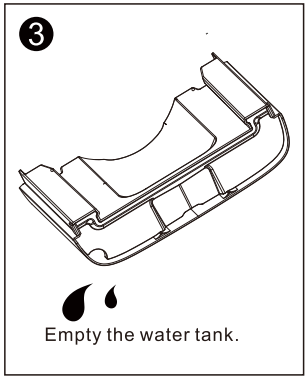
Ways to Empty the Water Tank



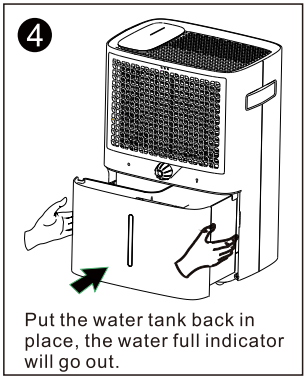
Pull the water tank out from the bottom with both of your hands.



Open the cover of the water tank.



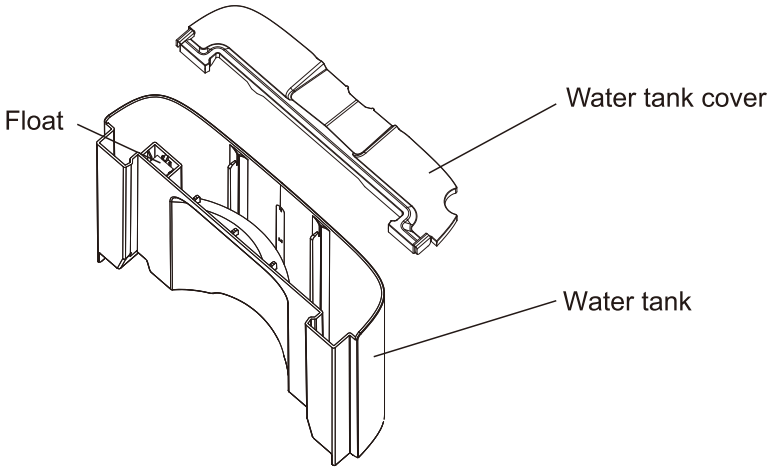
Empty the water tank.



Put the water tank back in place, the water full indicator will go out.

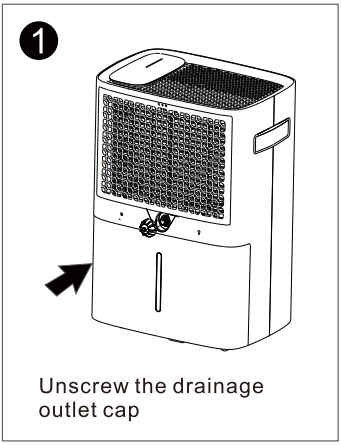
Note:

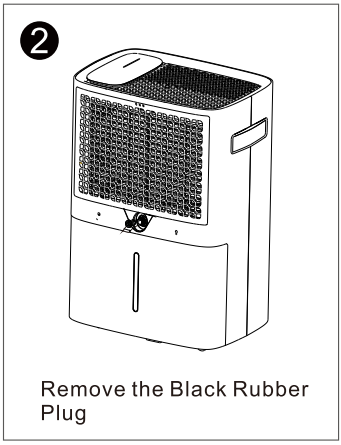
- Do not remove the float from the water tank. If the float in the water tank is removed, the sensor may not be able to determine the water level stored in the tank properly that may lead to water overflow leak from the water tank.
- If the water tank is dirty, just use cold water or warm water to clean it. Do not use detergent, steel wool, chemically treated dust cloth, gasoline,benzene, thinner or other solvents. Otherwise, it may damage the water tank and cause it to leak.
- When placing back the water tank, use your hands to press the tank back in its place. If the water tank is not placed properly, sensors or protections from water overflow may not operate as expected.

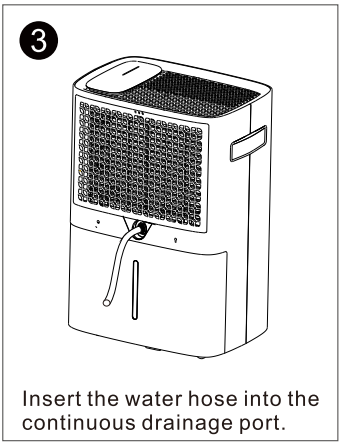


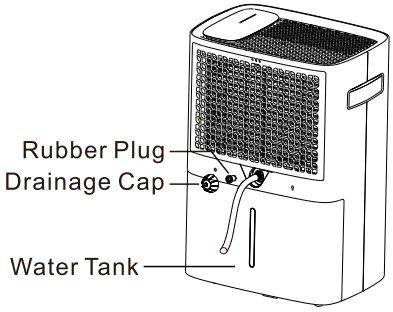
7.Continuous Drainage

Pull out the power supply, unscrew the drainage cap, remove the black rubber plug, insert the water hose into the continuous drainage port and push it back into the water tank.
Connect the power supply to start the operation. The water outlet of the water hose should be lower than the continuous drainage port by more than 3.9 inches, and the water hose cannot be bent.
(Note: The diameter of continuous drainage port is 0.63 inches.)









Cleaning and Maintenance

▲ WARNING:

Turn the dehumidifier off and remove the plug from the wall outlet before Cleaning.

A- Cleaning the dehumidifier body

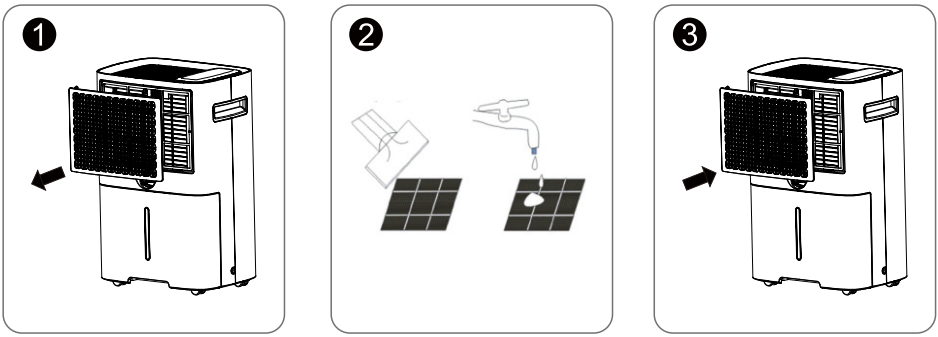
Please use a soft and slightly wet textile or cloth to clean it.

B- Cleaning filter

1.Pull out the filter.

2.Clean the filter: Use a vacuum cleaner to gently remove the dust from the surface of the filter. If the filter is very dirty, wipe it with warm water and a mild detergent and dry it completely.

3.Slowly insert the filter back to the machine body.



C-Dehumidifier storage

When you want to store the dehumidifier because you don't use it for a long time. Please pay attention to the following steps:

1. Empty the water in the water tank.
2. Roll up the power cord and tie it up.
3. Clean the filter.
4. Cover the dehumidifier with a storage protection bag.
5. Place the machine in a cool and dry environment.

Common Faults and Solutions

Check the information below for troubleshooting steps, it will save you time to resolve issues that may happen with the unit.
The list includes most of the common cases, but not the results of defective unit, crafts or materials in the unit.
If all troubleshooting steps have been exhausted and the issue is still occurring, please feel free to reach out to ANDTE Customer Seryice to get further assistance.

Problem	Reason	Method
Dehumidifier does not work	The power cord is unplugged.	Make sure that the unit's plug is inserted properly into the power outlet.
	Is the Full Tank indicator blinking? (The tank is full or in a wrong position.)	Empty the water in the water tank and then reposition the tank.
	Is the room temperature above 95°F (35°C)or below 41°F (5°C).	This product does not apply to over hot or cold environment, the machine will automatically enter the protection mode. It is a normal phenomenon.
	Is the room temperature between 41°F(5°C) and 68°F(20°C) ?	When running under lower ambient temperature, the machine will automatically defrost, which is a normal phenomenon. It will restart dehumification again until the defrosting process finished.
	The dehumidifier is in the defrosting process.	It is normal the compressor ceases while defrosting process. Wait until the process finished, it will restart dehumidification again.
	Is the room humidity lower or reaching the preset humidity level? (When the room humidity has reached the preset level, the dehumidifier will enter Standby Mode and the indicator on LCD will flash.)	Please set the humidity 5%RH lower than the room humidity or set the humidity to 30%RH.
	This is to prevent the frequent start of the machine. Does the machine stop working just now?	Please wait for more than 3 minutes.
	Room humidity is low.	The dehumidifier is designed to work in the humidity range of 30%-80%. Above or below this range, it will not work.

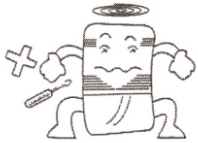
Common Faults and Solutions

Dehumidifier does not dry the air as it should	The air filter is dirty.	Clean the air filter.
	Is the air inlet or air outlet obstructed?	Remove the obstruction from the air inlet or outlet.
	The dehumidifier size is too small for the applic area.	Increase the quantity of dehumidifier. Or change to a higher capacity dehumidifier.
	Poor air circulation.	Please leave about 20cm (7.9 inches) around the product.
	Do not allow enough time to remove the moisture.	Allow enough time to remove the moisture. When first installed, allow at least 3-4 days to maintain the desired RH.
	The room has not been sealed properly.	Check that all doors, windows and other openings are securely closed.
	Room temperature is too low, or below 41˚F (5˚C): The machine will not work or undergo poor dehumifying efficiency in low temperature.	Please wait until the temperature rises to above 41˚F (5˚C) or higher.
The dehumidifier makes loud noise when operating	The dehumidifier is not positioned levelly.	Move the machine to a horizontal position.
	Is there blocking around the air inlet? The air filter is clogged.	Clean up the dirt or lint on the air outlet and intake.
	Is the filter installed correctly?	Please check whether the packing bag of the filter had been removed and the filter has been installed correctly.
Dehumidifier operates continuously	Check if the dehumidifier is in Continuous Mode	Do Not set the humidity too low. Typically, 40-50% are good for use.
	Room humidity is too high.	Change humidity settings. Or change to a higher capacity dehumidifier.
	Doors and windows are open.	Ensure that all doors, windows and other openings are closed.

Overflow of water on floor	Hose to connector or hose connection may be loose.	Connect the hose with the drainage port tightly.
	The water tank has not been installed properly.	Re-install the water tank properly.
	The float of water tank has been stuck.	Move the float and let it swing freely.
	The magnet on the float has come off.	Put the magnet in right position.

Safety Note

1. When using, please do not put the machine at the soft and uneven ground, avoid vibration and movement.



2. Do not insert thin rods and hard objects into the machine body to avoid malfunction and danger.

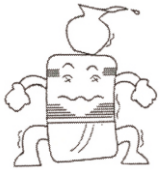
3. When using, please keep the machine away from heating furnace, electric kettle and other heat sources.

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

5. Please do not put objects around the body. If the ventilation is blocked, the dehumidification effect will be affected.

6. If do not use the product for a long time, please unplug the power cord.

7. When cleaning the dehumidifier, please use the wet textile to wipe gently, do not shoot the water directly.



8. Please do not put any object on the dehumidifier.

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

10. When continuous drainage, the drain hose must be placed horizontally, without unevenness and winding.

11. After cleaning the filter, please do not dry it under direct sunlight, in case deformation.

12. Before moving and carrying the machine, please first pour out the water in the tank.

Service

ANDTE offers a limited 1-year free warranty on this PD50K dehumidifier, with original proof of purchase (typically you maybe only requested to offer the order number or other information to prove a genuine purchase, instead of an invoice)
and where a defect has arisen, wholly or substantially, as a result of faulty manufacture, parts or workmanship during the warranty period.

During the warranty period, for the damaged part, we will provide a replacement part if it can be restored to normal use by replacing parts.

The warranty does not apply where damage is caused by other factors, including without limitation:

- Normal wear and tear;
- Abuse, mishandling, accident, or failure to follow operating instructions;
- Exposure to liquid or infiltration of foreign particles;
- Servicing or modifications of the product other than by ANDTE.

We will try our best to inspect the dehumidifier through photos or videos to troubleshoot and ensure that we can better solve the problem for you.
These are our general terms for warranty service, but we always urge our customers to reach out to us with any issue, regardless of warranty terms.

For more warrnty information
Please contact us in **AndteServices@outlook.com.**

Warranty and Service

If you have an issue with an ANDTE product, please contact us at **AndteServices@outlook.com**, and we will do our best to resolve it for you.

Support Hours

24 Hours available

*Please have your order number before contacting customer support.

Product Certification

The product is approved to leave the factory after passing the inspection.
Production date: see the nameplate or barcode of the fuselage

Pass
OQC

ANDTE