



**RinKmo**

# Owner's Manual

Model: PD1201A

Please read manual carefully before operating

**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

Welcome to the RinKmo family. We are proud of our quality products and we believe in dependable service. We suggest that you read this user manual before plugging in your new appliance as it contains important operation information, safety information, troubleshooting and maintenance tips to ensure the reliability and longevity of your appliance.

To access customer support, please email to [rinkmo.service@outlook.com](mailto:rinkmo.service@outlook.com).

### Need Help?

Before you request for customer support, here are a few things you can do to help us serve you better.

➤ Read this owner's manual:

It contains instructions to help you use and maintain your appliance properly.

➤ If you receive a damaged appliance:

Immediately contact the seller that sold you the appliance.

➤ Save time and money:

Check the troubleshooting section at the end of this manual before writing to us. This section will help you solve common problems that may occur.

For additional assistance, please email to [rinkmo.service@outlook.com](mailto:rinkmo.service@outlook.com) with the information below to help us address the problem faster.

Model Number: \_\_\_\_\_

Order ID: \_\_\_\_\_

Issue Description: \_\_\_\_\_

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**Important Safety Information**  
**Read And Follow All Safety Instructions**

## **1. Important Safety Instructions**

- Please read the safety instructions in this manual carefully before installation, use and maintenance.
- Children should be supervised to ensure that they do not play with the appliance.
- To avoid risk of electric shock, do not operate this dehumidifier in an area that is likely to accumulate standing water. If this condition develops, disconnect the power supply before stepping into the water.
- Handle the packaging materials of the products in time, do not let the baby and children touch, avoid suffocation accidents.
- Before connecting the power supply, make sure that the power supply and the machine require the same voltage and frequency.
- Do not store or use combustible materials such as gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.
- At first time use, please leave it standing upright for 24 HOURS before plugging it in.
- Do not insert fingers or other objects into grills or openings in the appliance.
- Do not operate the appliance below 41 Fahrenheit.
- Special Note: The display does not light, it does not mean that the power has been disconnected.

### **Precautions:**

- The machine power wiring must be in accordance with the national wiring rules, and the power cable should be reliably connected to the external ground wire.
- The fixed wiring of the machine connection must be equipped with at least 3mm.
- The model size of the fuse is 5A.
- The distance between the machine and the surrounding objects is at least 1 meter.
- This appliance is intended for indoor, residential applications only. Do not use this dehumidifier outdoors.
- Factory inspection may lead to residual water stain in the reservoir, which is a normal phenomenon.
- The power cord must be plugged into an outlet that is properly grounded. To reduce the risk of fire, electric shock, injury or sickness when using your dehumidifier, follow these basic precautions:
  - Plug into a grounded 3 prong outlet.
  - Do not remove any prong from the power cord.
  - Do not use an extension cord or an adaptor plug.
  - Do not splice the power cord.
  - Unplug dehumidifier before servicing.
  - If the power supply cord is damaged, it must be replaced by the manufacturer, its service agent or similar qualified person in order to avoid hazard.

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## **2.Product Instruction**

A dehumidifier is used for reducing the humidity of the air where it is placed so that it can adapt to people's lives, production and storage.

RinKmo's dehumidifiers are characterized by beautiful appearance, compact structure and easy operation. They are widely used in high humidity places, such as scientific research, medical and health, commodity storage, underground engineering, kitchens, bathrooms, archives, warehouses, etc., to prevent instruments and meter, telecommunications equipment, medicine, materials and other damp, rust, mildew.

During the design, considering the use of climate and environmental changes, the physiological and health conditions of people and the protection conditions of other objects, the optimal humidity range is 45%~65%, so it is suggested to set the humidity within this optimal humidity range.

## **3.Product Features**

1. Beautiful appearance, high range, compact and reasonable structure, firm.
2. Computer-based control, easy to understand operation, unique timing function.
3. Generally apply to low temperature, high efficiency automatic frost system.
4. Adopt high-efficiency two-speed centrifugal fan, strong wind, uniform airflow, low noise and long life.
5. Large capacity reservoir design.
6. Special environment temperature display, temperature display and automatic fault diagnosis function.
7. Adopt eco-friendly R410A refrigerant, energy saving and environmental protection.
8. Adopt international brand-name compressors, internationally renowned brand humidity sensors.

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## 4. Position

1. This unit may have been tilted or placed upside down during shipping. To ensure this device works properly, please ensure this unit is upright for at least 24 hours before initial use.
2. If excessive moisture is diffused in the space, the dehumidifier should be placed in the center of the space, so as to dehumidify the space evenly and effectively.
3. If the moisture in a certain area of the space is particularly high, you can place the dehumidifier directly in this area and then move it to the center position.
4. In order to achieve the best dehumidification effect, the external doors and windows should be closed when the dehumidifier is in operation. Do not place this product directly next to a heater or other heat source. The dehumidifier and any electric heater and flammable materials maintain a safety distance of at least 1 meter.
5. When placing the dehumidifier, be sure to place it on a level surface, there should be no objects obstructing the air flow in the air inlet and outlet.
6. Before moving the product, turn off the power and drain out the water; when moving, the machine body tilt should not exceed 45°.

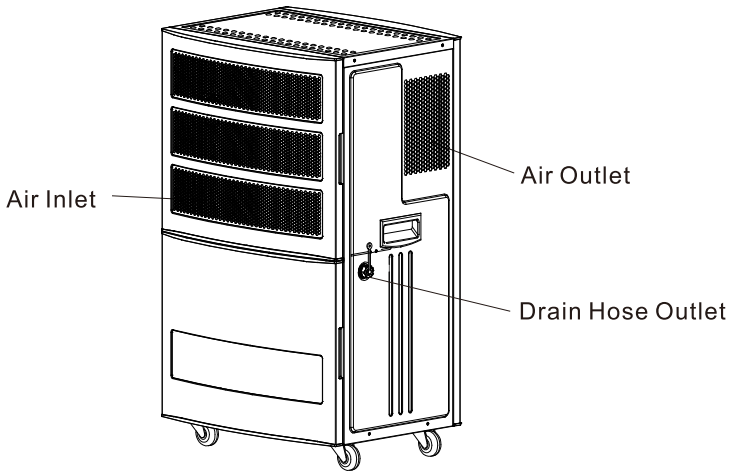
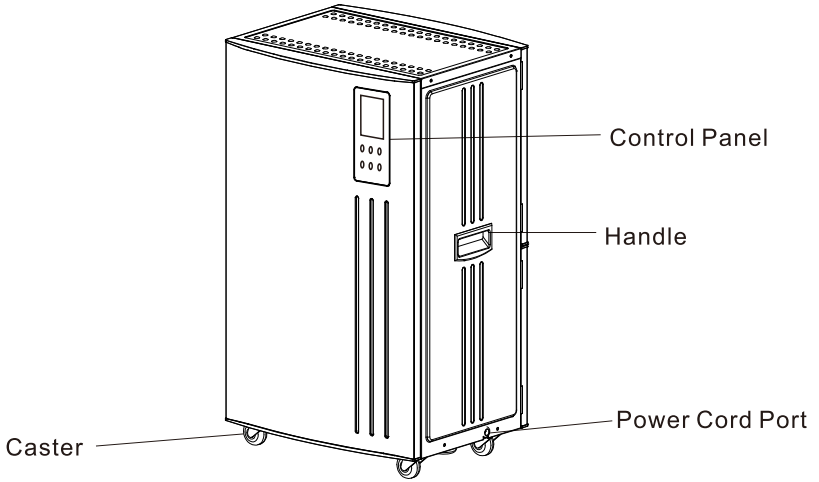
### **Storing the dehumidifier**

When not using the dehumidifier for long time periods, please note the following steps:

1. After turning off the dehumidifier, wait one day before emptying the water tank.
2. Clean the main dehumidifier, water tank and air filter.
3. Wrap the cord and bundle it with the band.
4. Cover the dehumidifier with a plastic bag.
5. Store the dehumidifier upright in a dry, well-ventilated place.

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## 5.Parts Description

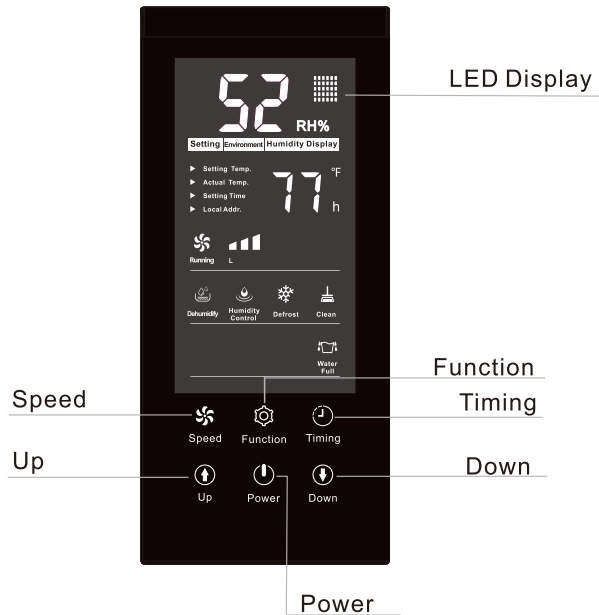


Schematic diagram

Note: This picture shows the dehumidifier Outline Drawing.  
Other models shape and size are a little different, please prevail in kind.



## 6. Operation



### Key Description

1. Power : used for power on/off operation.
2. Up : The humidity setting value or timer value increasing upward.
3. Down : The humidity setting value or timer value descending down.
4. Function : Short press to confirm the parameter settings.
5. Timing: Used to enter the timer setting state and the timer confirm.
6. Speed: For high and low speed switching.

### Humidity Settings

In the power on state, press the "Up" or "Down" button to enter the humidity setting state: **Setting** and **Humidity display** light, the unit RH% is on, and the large number **52** flashes to show the humidity value. In the humidity setting state, press the "Up" or "Down" button to set the desired humidity.

Setting range 10-98RH%. Press the "Function" button once or no button operation for a few seconds, it will automatically exit the humidity setting state.

When the humidity value is set to 10RH%, the continuous dehumidification operation is forced.

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## Timing Settings

In the power on or standby state, press the "Timing" button once to enter the timing setting state: Indicator **Timing** light, the unit of time is bright, small number 77 flashes to show the time. In the timing setting state, press the "Up" or "Down" button to set the desired time, setting range 01~24h, can be cycled. Pressing the "Function" button once or no button operation for a few seconds, the timing setting state is automatically exited.

If the time is set to 00, the timing setting is invalid.



## Speed Settings



This machine has high speed and low speed to choose. Press the "Speed" button to switch the wind speed and can be set cyclically.


## Parameter query



In the power-on state, press the "Function" button once to enter the parameter query status: Parameter indicator **Temperature Setting** lights up, small number 77 display temperature setting value, and the temperature unit °F is lit. Press the "Function" button again to query the ambient temperature and timing time.


## Status description


When the fan is delayed, the running symbol  will flash, and if the fan is running, the running symbol  will be on, otherwise it will be off;

When the compressor is delayed, the dehumidification symbol  will flash, and if the compressor is running, the dehumidification symbol  will be on, otherwise it will be off;

If the ambient humidity is lower than the set humidity and the compressor is stopped, the humidity control symbol  will flash, otherwise it will be off;

When the fan speed is set to high level, the symbol  is long bright; when the fan speed is set to low level, the symbol  is long bright.

When the reservoir is full, the full symbol  flashes, and when the full alarm is released, the light goes out;

When the machine needs to be cleaned, the cleaning symbol  flashes, otherwise it is off;

When the machine is defrosting, the defrost symbol  flashes, defrosting end the light goes out;

## Power off Memory Function


After the device is powered on, it will automatically resume the working status before power off.


## Defrost Function

When frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears.

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### Reservoir Full Protection Function

When the water tank is full, the device stops and the water reservoir full symbol  flashes;

When the full alarm is released , the full symbol  is extinguished and the machine restarts.

### Temperature Protection Function

When the ambient temperature is higher than the default temperature 113 , the system enters high temperature protection, the small number indicates "HH", and the compressor stops;When the ambient temperature is lower than the default temperature 39 ), the system enters the low temperature protection, the small number indicates"LL", and the whole machine stops.

### Cleaning Remind Function

If the accumulative running time of the fan is  $\geq 30$  days, the machine can continue to run, but it will prompt "cleaning" and it will not be able to be removed even re-powered. In the power off state, long press the "speed" button for a few seconds, then the display will show one time, the "cleaning" prompt will be released, and the fan running time will be cleared.

### Special Note:

To avoid any damage to the dehumidifier, the dehumidifier will not start operation following a complete cycle until after 3 minutes. The compressor will automatically start after 3 minutes.

## 7.Error Code

Number	Error code	Error code meaning
1	E1	Humidity sensor error
2	E2	Defrost Temperature sensor error
3	E4	Ambient temperature sensor error
4	E5	System high voltage failure
5	E6	System low voltage failure
6	E7	Water reservoir full alarm
7	Ec	Display board is abnormal

### Note:

1. When E1, E2 or E4 is faulty, the compressor and fan will not stop.


2. After trouble shooting E5, E6 , the power must be disconnected and re-powered to release the fault.
3. When E7 fails, the machine stops, and the machine resumes operation after the fault is recovered.
4. When the Ec fails, the machine is not controlled by the control panel.
5. During the fault alarm, press any key to cancel the alarm sound.

## 8. Product Specifications


MODEL	PD1201A
POWER SOURCE	110-120V ~ 60Hz
RATED POWER (95°F,80%RH)	1900W
RATED CURRENT (95°F,80%RH)	17A
MOISTURE REMOVAL CAPACITY (64.94°F,60%RH)	94 Pints/Day(44.4L/Day)
MOISTURE REMOVAL (80.06°F,60%RH)	143 Pints/Day(68L/Day)
MOISTURE REMOVAL (86°F,80%RH)	243Pints/Day(115L/Day)
MOISTURE REMOVAL (95°F,80%RH)	296 Pints/Day(140L/Day)
INPUT POWER (64.94°F,60%RH)	1000W
INPUT CURRENT (64.94°F,60%RH)	9.0A
MOTOR FLA	1.3A
MOTOR COMPRESSOR	RLA:11.8A LRA:58.0A
REFRIGERANT	R410A/37ozs(1050g)
MAXIMUM ALLOWABLE PRESSURE	601PSIG(4.15MPa)
HIGH PRESSURE	580PSIG(4.0MPa)
LOW PRESSURE	247PSIG(1.7MPa)

The operating temperature ranges is 41-100 degrees Fahrenheit. If the room temperature exceeds this range, the product may not work properly. RinKmo reserves the right to change the product. The above parameters are subject to change without prior notice.


## 9. Safety Use & Maintenance Precautions




Do not use overall relay, extension cable or adaptor to connect this device.  
Wrong application could cause fire, electric shock or heating.




Do not place this device close to furnace, heater and devices that could produce heat.  
Wrong application could cause the resin to be melt and even cause fire.




Do not use the machine in the area that is subject to direct sunlight or wind or rain.  
Indoor application only



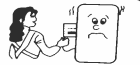
Turn off the machine and remove the power wire when problem happens (e.g. the machine emits the smell of burning).  
Wrong application could result in fire, electric shock and new failure.




Do not use the machine in the area that could be affected by chemical.  
The medicine or solvent permeated into the air could cause bad influence to the device and cause leakage of water in the tank.




Remove the power cable when do not use the machine for a long time.




Turn off the machine and remove the power cable firstly when cleaning the machine.  
Improper operation could personal injury.




Place the drain pipe well when drain water continuously so as to pass the water freely.  
In the event of cold temperature around the pipe could freeze, do not drain water continuously.




Do not repair, disassemble or modify this machine through do-it-yourself.  
Wrong application could cause fire or accident of electric shock.




Place this machine in stable site.  
In the event of turn the device upside down, the water could pour out and damage the surrounding items, and cause electric leakage and fire or electric shock.




The method to lengthen the application life of air purification filtering mesh  
Place the filtering mesh into plastic bag when do not use the device for a long time, seal and store.




Do not use this machine in the area that is adjacent to water  
As electric leakage could happen when this machine encounters water and will cause fire or electric shock.




Apply proper power switch.  
Wrong application could cause fire or electric shock.



Do not damage or alter power cable  
Please do not place heavy item on the power cable, heat or pull the power cable with force, or it could damage the power cable and cause fire or electric shock.



Connect the power cable with the switch securely.  
In the event of looseness of power cable, there are could be danger of electric shock.



Do not draw out power cable to stop the operation of dehumidifier.  
Wrong application could cause fire or electric shock.

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## 10.Care & Cleaning

- Disconnect the power cord before maintaining and cleaning the product.
- Clean the dehumidifier body with a soft damp cloth.
- Do not use cleaners, scrubbing wires, chemically treated dusting cloth, benzene, benzene, thinner or other solvents to clean and wipe the machine.

### **Clean the filter and water reservoir**

- This dehumidifier has a washable filter that blocks most of the airborne dirt such as dust, smoke, animal dander, mold spores and pollen.
- It is recommended to check the filter regularly and clean it at least once a month.
- It is recommended to clean the water reservoir regularly and clean it at least once every two months.

### **Take out the filter**

- Use a vacuum cleaner to gently remove dirt from the filter.
- If the washable filter is particularly dirty, rinse it with warm water and a mild detergent and air dry thoroughly. Do not let the sun shine directly or dry the filter with other exothermic products, which will deform the filter and its frame.
- Put the filter back into the product.

### **Take out the water reservoir**

- If the water reservoir is particularly dirty, rinse it with warm water and a mild detergent to drain the dirt.

\*Note: When installing the water reservoir, put the water reservoir in place to avoid poor contact between the water reservoir and the machine, affect the operation of the machine.

The dehumidifier is continuously drained. Please follow the instructions to set up continuous drainage:

1. The machine is shipped with a drain pipe, see the schematic drain.
  2. Ensure that the drain pipe is not bent or knotted during use and can drains smoothly. If the fault occurs, please follow the “Common Troubleshooting” in the manual before notifying the after-sales service.
- Do not repair or disassemble the dehumidifier yourself. Improper maintenance may endanger the safety of the user.

## 11.Common Troubleshooting

FAULT	CAUSE	SOLUION
Dehumidifier does not operate	<ol style="list-style-type: none"> <li>1. Power failure</li> <li>2. The power switch is not connected</li> <li>3. The power plug is not plugged into the socket</li> <li>4. Fuse blown</li> <li>5. Machine failure prompt</li> </ol>	<ol style="list-style-type: none"> <li>1. Restore power</li> <li>2. Turn on the switch</li> <li>3. Plug in the socket</li> <li>4. Replace the fuse</li> <li>5. Check the error code, ask seller for help</li> </ol>
Dehumidifier operating, but room not dry	<ol style="list-style-type: none"> <li>1. There is too much dust in the filter</li> <li>2. The air inlet and outlet are obstructed</li> <li>3. All doors, windows and other openings are open.</li> <li>4. Refrigerant leak</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean the filter</li> <li>2. Remove obstacles</li> <li>3. Close the door and windows</li> <li>4. Ask seller for help</li> </ol>
Water reservoir leaking	<ol style="list-style-type: none"> <li>1. Machine placed tilt</li> <li>2. Clogging of the outlet tube</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust the machine to a horizontal position</li> <li>2. Remove the panel to clean the dirt inside the tube</li> </ol>
The dehumidifier makes a loud noise when operating	<ol style="list-style-type: none"> <li>1. The dehumidifier is tilted instead of upright as it should be.</li> <li>2. The air filter is clogged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Place the machine smoothly</li> <li>2. Clean the filter</li> </ol>

1. When the above fault cannot be ruled out and confirm that repair is needed, please contact the seller [rinkmo.service@outlook.com](mailto:rinkmo.service@outlook.com) , please do not disassemble the machine for repair without permission.
2. When the dehumidifier is running or stopped, the refrigerant circulation sound is heard, which is normal.
3. It is normal for hot air to be discharged from air outlets.



说明书

PD1201A ( Rinkmo ) ( 110V~60Hz )

设计：韦颂 2019.8.6

审核：

批准：

与00版区别：

特别说明：虚线框内内容非印刷内容，无需印刷