



DEHUMIDIFIER

USER MANUAL

FOR MODELS:

1PFD22

1PFD35

1PFD50



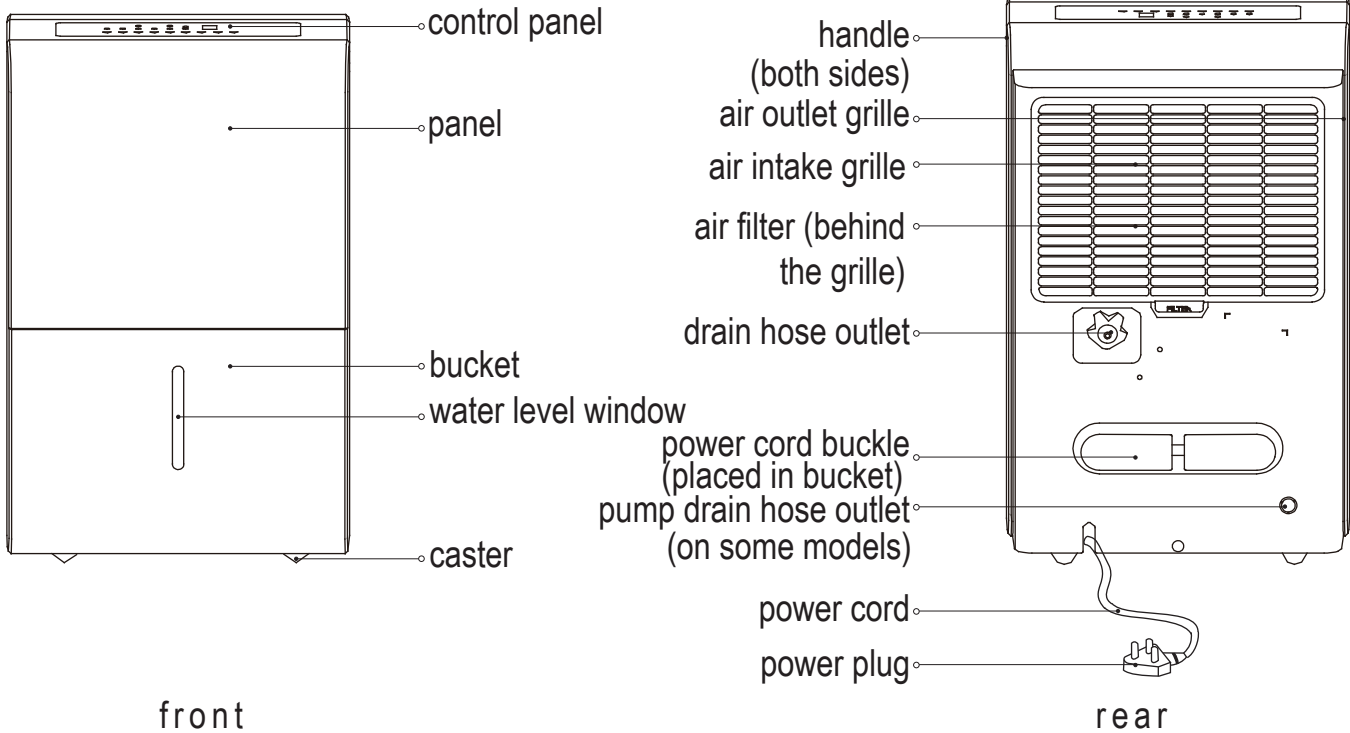
Before using your dehumidifier, please read this manual carefully and keep it for future reference, along with your receipt.



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| Preparation

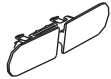


Accessories:(placed in the bucket of the unit)

pump drain hose(1pc) (only for the unit with pump feature)



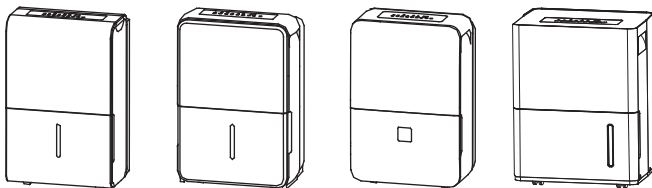
power cord buckle(1pc)



female threaded end(1pc)(on some models)



NOTE: The unit you purchased may be look like one of the followings:



NOTE:

All the illustrations in the manual are for explanation purpose only. Your machine may be slightly different. The actual shape shall prevail. The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details. Any updates to the manual will be uploaded to the service website, please check for the latest version.

Note About Fluorinated Gasses

- Fluorinated greenhouse gases are contained in hermetically sealed equipment. For specific information on the type, the amount and the CO₂ equivalent in tonnes of the fluorinated greenhouse gas(on some models), please refer to the relevant label on the unit itself.
- Installation, service, maintenance and repair of this unit must be performed by a certified technician.
- Product uninstallation and recycling must be performed by a certified technician.

| Safety Precautions



This symbol indicates that ignoring instructions may cause death or serious injury.



WARNING: To prevent death or injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause death, harm or damage.

- Do not exceed the rating of the power outlet or connection device.
 - Do not operate or stop the unit by switching on or off the power supply.
 - Do not damage or use an unspecified power cord.
 - Do not modify power cord length or share the outlet with other appliances.
 - Do not insert or pull out plug with wet hands.
 - Do not install the appliance in a location that may be exposed to combustible gas.
 - Do not place the unit near a heat source.
 - Disconnect the power if strange sounds, smell, or smoke comes from it.
 - You should never try to take apart or repair the unit by yourself.
 - The manufactures nameplate is located on the rear panel of the unit and contains electrical and other technical data specific to this unit.
 - Be sure the unit is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three prong grounding plug for protection against shock hazards.
 - Your unit must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker(please refer to the nameplate for the electrical data), have a qualified electrician install the proper receptacle.
 - Before cleaning, turn off the power and unplug the unit.
 - Do not use the machine near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
 - Do not drink or use the water drained from the unit.
 - Do not take the water bucket out during operation.
 - Do not use the unit in small spaces.
 - Do not put in places where water may splash onto the unit.
 - Place the unit on a level, sturdy section of the floor.
 - Do not cover the intake or exhaust openings with cloths or towels.
 - Care should be taken when using the unit in a room with the following persons: infants, children, elderly people and people not sensitive to humidity.
- Electrical Information:
- Do not use in areas where chemicals are handled.
 - Never insert your finger or other foreign objects into grills or openings. Take special care to warn children of these dangers.
 - Do not place heavy object on the power cord and take care so that the cord is not compressed.
 - Do not climb up on or sit on the unit.
 - Always insert the filters securely. Clean filter once every two weeks.
 - If water enters the unit, turn the unit off and disconnect the power , contact a qualified service technician.
 - Do not place flower vases or other water container on top of the unit.
 - Do not use extension cords.

| Cautions

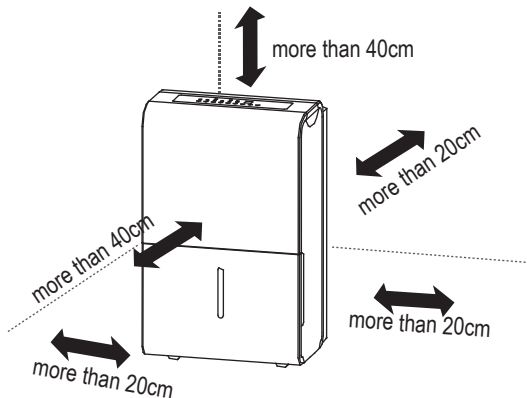
Cautions

- This appliance can be used by children aged from 8 years and above and person with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction 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. (be applicable for the European Countries)
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.(be applicable for other countries except the European Countries)
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Prior to cleaning or other maintenance, the appliance must be disconnected from the supply mains.
- Do not install the appliance in a location that may be exposed to combustible gas. If combustible gas accumulates around the unit, it may cause fire.
- If the appliance is knocked over during use, turn off the unit and unplug it from the main power supply immediately. Visually inspect the unit to ensure there is no damage. If you suspect the unit has been damaged, contact a technician or customer service for assistance.
- In a thunderstorm, the power must be cut off to avoid damage to the machine due to lightning.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- Do not operate unit with a damaged cord or plug. Discard unit or return to an authorized service facility for examination and/or repair.
- To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- The appliance shall be installed in accordance with national wiring regulations.
- Contact the authorised service technician for repair or maintenance of this unit.
- Turn off the product when not in use.

Operation

Place correctly

-This unit is designed to operate with a working environment between 5°C(41°F) and 32°C(90°F).



Casters(Installed at four points on the bottom of unit)

-Do not force casters to move over carpet, nor move the unit with water in the bucket.
(The unit may tip over and spill water.)

NOTE: Casters is optional, some models without.

Smart functions:

-Auto Shut Off

When the bucket full indicator light illuminates or the setting humidity is reached, the unit will be shut off automatically.

-Wait 3 minutes before resuming operation

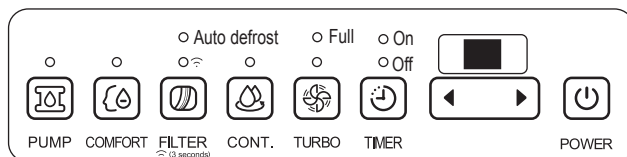
After the unit has stopped, it can not be restart operation in the first 3 minutes. This is to protect the unit. Operation will automatically start after 3 minutes.

-Auto Defrost

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

-Auto-Restart

If the unit breaks off unexpectedly due to the power cut, it will restart with the previous function setting automatically when the power resumes.



PUMP button(optional)

Press to activate the pump operation.

NOTE: Make sure the pump drain hose is installed into the unit and the continuous drain hose is removed from the unit before the pump operation is activated. When the bucket is full, the pump starts to work. Refer to the next pages for removing the collected water. Do not use this operation when the outdoor temperature is equal to or less than 0°C (32°F).



COMFORT button

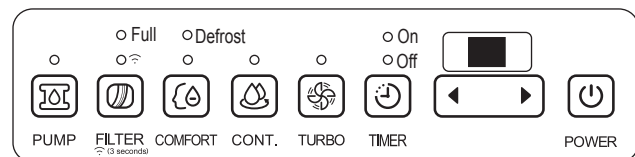
Press to activate the comfort dehumidifying operation.

NOTE: On this operation, the unit can not be set humidity level.



FILTER button

The check filter feature is a reminder to clean the Air Filter for more efficient operation. The Filter light(Clean filter light) will flash after 250 hours of operation. To reset after cleaning the filter, press the Filter button and the light will go off. Press the filter pad for 3 seconds when the unit is on or off to



initiate the Wireless connection mode. The LED DISPLAY shows AP to indicate you can set Wireless connection and the compressor is forced off. If connection (router) is successful within 8 minutes, the unit will exit Wireless connection mode automatically and the Wireless light(Filter light) illuminates and the compressor reverts previous state. If connection is failure within 8 minutes, the unit exits the Wireless connection mode automatically.



CONTINUE button

Press to activate the continuous dehumidifying operation.



TURBO button

Control the fan speed. Press to select either High or Normal fan speed. Set the fan control to High for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to Normal.



Timer button

Press to initiate the Auto start and Auto stop feature, in conjunction

Operation

with the **◀** and **▶** buttons. When the unit is on, first press the Timer button, the Timer Off indicator light illuminates. It indicates the Auto Stop program is initiated. Press it again the Time On indicator light illuminates. It indicates the Auto Start is initiated.

- When the unit is off, first press the Timer button, the TIMER ON indicator light illuminates. It indicates the Auto Start program is initiated. Press it again the Time Off indicator light illuminates. It indicates the Auto Stop is initiated.
- Press or hold the UP or DOWN button to change the Auto time by 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until start.
- The selected time will register in 5 seconds and the system will automatically revert back to display the previous humidity setting.
- When the Auto start & Auto stop times are set, within the same program sequence, TIMER ON OFF indicator lights illuminate identifying both ON and OFF times are now programmed.
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/Stop function.
- When LED display window displays the code of P2, the Auto Start/Stop function will also be cancelled.

◀ Down/Up buttons

- Humidity Set Control Buttons
- ▶ The humidity level can be set within a range of 35%RH(Relative Humidity) to 85%RH (Relative Humidity) in 5% increments.

Operation

Note: When one of the above malfunctions occurs, turn off the unit, and check for any obstructions. Restart the unit, if the malfunction is still present, turn off the unit and unplug the power cord. Contact the manufacturer or its service agents or a similar qualified person for service.

NOTE: The indicator light illuminates when the function is selected.

Removing the collected water

There are three ways to remove collected water:

1. Use the bucket

When the bucket is full, remove the bucket and empty it.

NOTE: If the pump hose drops when you remove the bucket, you must reinstall the pump hose properly to the unit before replace the bucket into the unit.



2. Continuous draining

Water can be automatically emptied into a floor drain by attaching the unit with a water hose (ID \geq Φ 5/16", not included) with a female threaded end (ID:M=1", not included). (NOTE: On some models, the female threaded end is included)



Power button

Press to turn the dehumidifier on and off.



LED display

Shows the set % humidity level from 35% to 85% or auto start/stop time (0~24) while setting, then shows the actual (\pm 5% accuracy) room % humidity level in a range of 30% RH(Relative Humidity) to 90%RH (Relative Humidity).

Error Codes: AS- Humidity sensor error;

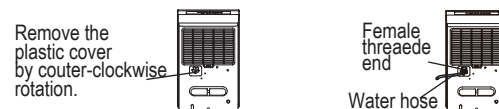
ES- Temperature sensor error;

Eb- Bucket is removed or not in right position--Replace the bucket in the right position. (only available for the unit with pump feature).

Protection Codes:

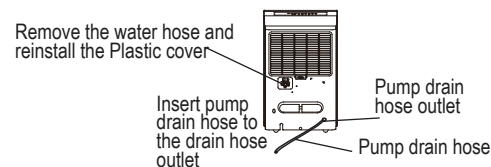
P2- Bucket is full or bucket is not in right position--Empty the bucket and replace it in the right position.(only available for the unit with no pump feature.)

P2- Bucket is full -- Empty the bucket.(only available for the unit with pump feature)



3. Pump draining (on some models)

Water can be automatically emptied into a floor drain or a suitable drainage facility by attaching the pump drain out with a pump drain hose (od= Φ 1/4", supplied).



NOTE: The pump may cause big noise when it starts to work for 3~5 minutes. It is a normal phenomenon.

NOTE: The pump operation on light blinks at 1Hz when the pump is operational failure. Please turn off the unit and plug the power cord out. Check the following things:

Cleaning the filter of the pump.

-Remove the bucket from the unit, take down the pump and clean the filter of the pump.

-Check that the pump drain hose does not link or block.

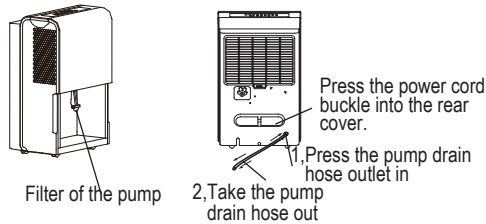
-Empty the water of the bucket.

-Reinstall the pump hose if it drops and reinstall the bucket properly.

Turn on the unit. If the error repeats, call for service.

Operation

NOTE: Do not use this operation when the outdoor temperature is equal to or less than 0°C (32°F), otherwise water turns into ice that will cause the water hose blocked up and the unit failure. Make sure to empty the bucket once a week when using the pump draining feature. When the pump draining feature is not being used, remove the pump drain hose from the outlet. Press the pump drain hose outlet in and take the pump drain hose out from it. Make sure do not let the water in the pump hose drip to the floor.



NOTE:

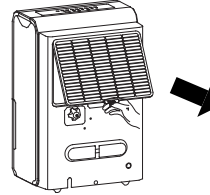
- Make sure the connection is tight and there is no leak.
- Lead the water hose to the floor drain or a suitable drainage facility, the drainage facility and the water hose should be lower than the drain outlet of the unit.
- Be sure to run the water hose sloping downward to let the water flow out smoothly.
- When the continuous drain feature is not being used, remove the drain hose from the outlet.

Maintenance

Care and cleaning of the dehumidifier

WARNING: Turn the dehumidifier off and remove the plug from the wall outlet before cleaning.

1. Clean the bucket
Clean the bucket with water every few weeks.
2. Clean the air filter
Clean the filter with water at least every 30 days or more often if necessary.



CAUTION: DO NOT operate the dehumidifier without a filter because dirt and lint will clog it and reduce performance.

3. Store the unit

- When not using the unit for long time periods
- After turning off the unit, wait one day before emptying the bucket.
- Clean the main unit, bucket and air filter.
- Wrap the cord and bundle it with the band.
- Cover the unit with a plastic bag.
- Store the unit upright in a dry, well-ventilated place.

Faults Diagnosis

Please check the machine according to the following form before asking for maintenance:

Faults Diagnosis	What to check
Unit does not start	<ul style="list-style-type: none"> -Make sure the dehumidifier s plug is pushed completely into the outlet. -Check the house fuse/circuit breaker box. -Dehumidifier has reached its preset level or bucket is full. -Bucket is not in the proper position.
Dehumidifier does not dry the air as it should	<ul style="list-style-type: none"> -Did not allow enough time to remove the moisture. -Make sure there are no curtains, blinds or furniture blocking the front or back of the dehumidifier. -The humidity selector may not be set low enough. -Check that all doors, windows and other openings are securely closed. -Room temperature is too low, below 5°C(41°F). -There is a kerosene heater or something giving off water vapor in the room.
The unit makes a loud noise when operating	<ul style="list-style-type: none"> -The air filter is clogged. -The unit is tilted instead of upright as it should be. -The floor surface is not level.
Frost appears on the coils	-This is normal. The unit has Auto defrost feature.
Water on floor	<ul style="list-style-type: none"> -Hose to connector or hose connection may be loose. -Intend to use the bucket to collect water, but the back drain plug is removed.

Please request for repair if operate abnormally or does not operate, and the solutions above is useless.

| Sociable Remark

When using this dehumidifier in the European countries, the following information must be followed:

DISPOSAL: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

It is prohibited to dispose of this appliance in domestic household waste.

For disposal, there are several possibilities:

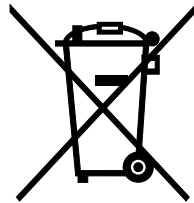
A) The municipality has established collection systems, where electronic waste can be disposed of at least free of charge to the user.

B) When buying a new product, the retailer will take back the old product at least free of charge.

C) The manufacture will take back the old appliance for disposal at least free of charge to the user.

D) As old products contain valuable resources, they can be sold to scrap metal dealers.

Wild disposal of waste in forests and landscapes endangers your health when hazardous substances leak into the ground-water and find their way into the food chain.





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