



Commercial Dehumidifier

Please read the manual carefully
before using the unit

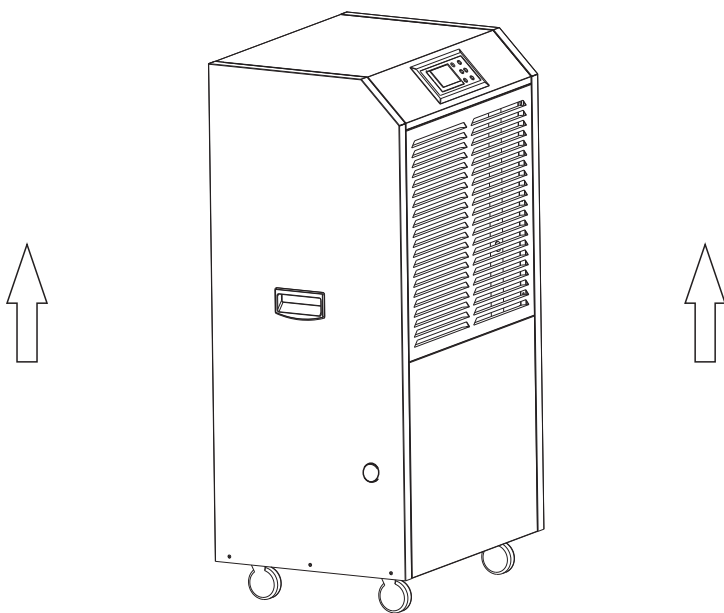
PD138A

USER MANUAL

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.



FOR CUSTOMERS

Thank you for purchasing our dehumidifier.

Yaufey wishes that our products and services can bring convenience to your work and life. We highly recommend that you keep the manual for reference if you encounter unexpected events using the unit.

Please read the manual carefully to ensure proper use of the dehumidifier. Our dehumidifiers are widely used in family bedrooms, bathrooms, basements, offices and storage rooms, etc.

The dehumidifiers from **Yaufey** provide quick and efficient operation to reduce room's humidity and bring you a healthy and comfortable life.

TO ACCESS CUSTOMER SUPPORT FASTER

If there is any problem of the product, please contact yaufey Customer Service at support@yaufey.com with your Purchase Order ID to help you address the problem more effectively.

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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.

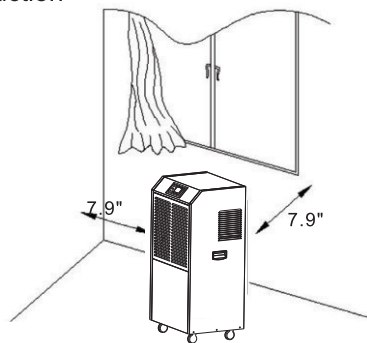
SAFETY INSTRUCTIONS

Safety Notes:

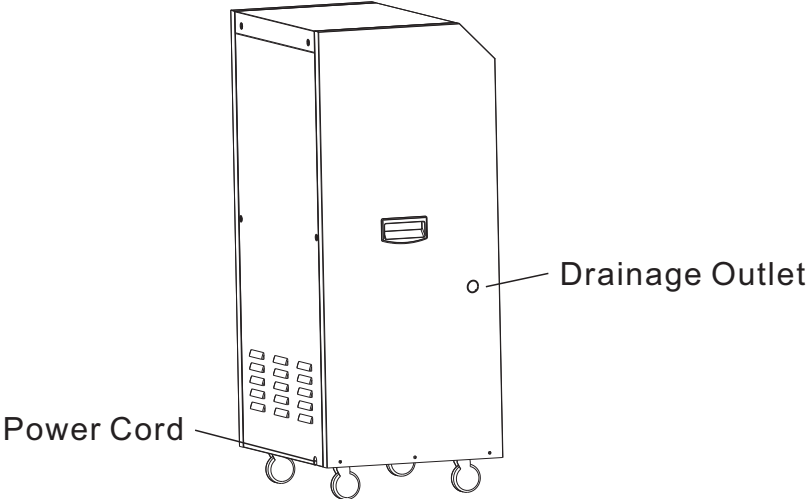
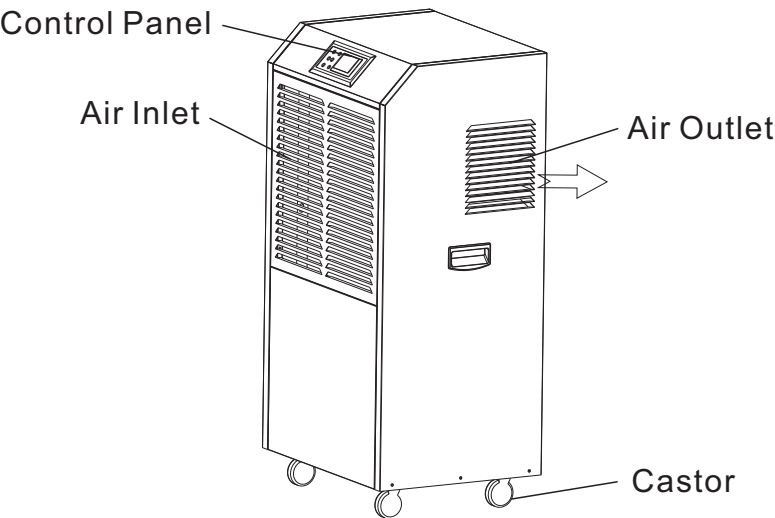
For your safety, please read the manual carefully and keep the manual before you use the manual for reference.

Please use this product according to the instructions of installation and operation of this manual.

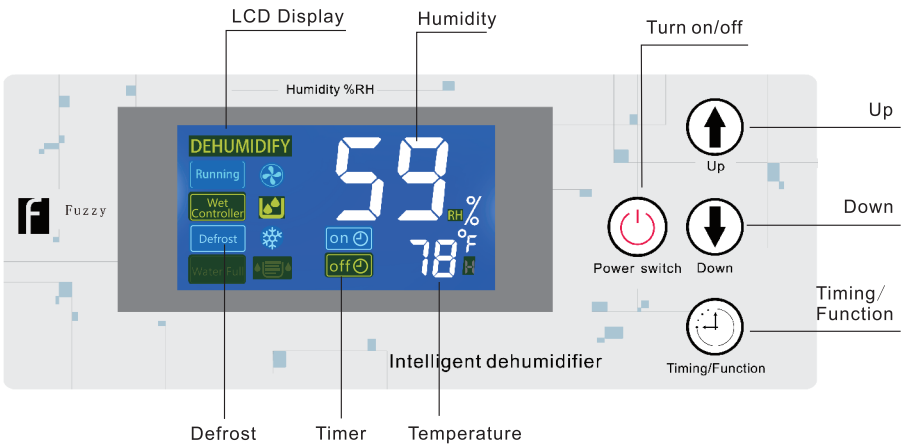
- Install the dehumidifier on flat surface to minimize vibration and/or noise.
- Inspect the power cord before use. Never operate the dehumidifier when the power cord or plug is damaged.
- Insert the three-prong plug on the power cord into a matching electrically grounded outlet (120V/60Hz, 15A at least). Do not use an adapter. Never cut off the third prong. Do not use an extension cord.
- Do not operate the dehumidifier in standing water. Keep motor and wiring dry.
- Never immerse the dehumidifier into water or other liquids.
- Do not put the dehumidifier close to heat-generating devices, including flammable or dangerous materials.
- Unplug the power supply before cleaning or storing the dehumidifier. Always grasp the plug (not the cord) to unplug.
- Do not put fingers or other items into air inlet or air outlet.
- Never insert any other objects into the dehumidifier body.
- Do not sit, stand or put heavy objects on the dehumidifier.
- This dehumidifier should only be used by adults who have read the manual and understand the operating procedure of the dehumidifier.
- The dehumidifier is not to be used 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 by an adult.
- Never repair or remove plug and or power cord.
Any repairs should be completed by qualified electrician or distributor.



PARTS DESCRIPTION



1. Control Panel



Button Instructions



Up
Press to set the humidity or the timing value up.



TIMER
Press to enable the timer function or confirm the timer settings.



POWER
Press to turn on or turn off the machine.



Down
Press to set the humidity or the timing value down.

2. Setting

1.Button Description

- "Power switch" Button: In power-off status, press this button to turn on the machine and vice versa.(In power-on status, the LED screen will light up and vice versa.)

Note: When the screen is not illuminated, it doesn't mean the power is disconnected.

- Up/Down Button: Press the Up/Down button, you can increase/decrease the humidity or timing setting.
- Timing/Function Button: Press this button, you can set the timer, or confirm your humidity or timing settings.

2.Humidity Setting

In power-on status, you can press the UP/DOWN button to set the humidity value between the range of 10%RH and 98%RH.

Press the "Function" button or no operations for seconds, you can confirm and exit the humidity setting mode.

3.Timer Setting

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

In power-on status, long press the Timing/Function button for two seconds to enter the timing setting mode, and press the UP/DOWN button to set the time, then press the Timing/Function button again or no operations for seconds will exit the timing setting process.

When the timer has been successfully set, the timing hours will be displayed on the screen. If you press the Timing/Function button again once, the timing hours will turn into the current temperature and return to the setting time after seconds automatically.

When the machine is on, the timing off icon "🕒" will be on after you successfully set the timer. When the machine is off, the timing on icon "🕒" will be on if you long press the Timing/Function button after you successfully set the timer.

4. Action Description

1. Power on: the fan will start, and the compressor will start after several seconds' delay.
2. Power off: compressor 1 and compressor 2 will stop immediately and the fan will stop after several seconds's delay.

OPERATION INSTRUCTIONS

3. In the case of continuous power, the compressor can only be restarted after 3 minutes after.

5. Display Status Description

When the fan is delayed, the running icon " " will flash, and if the fan is running, the running icon " " will be on, otherwise it will be off.

When the compressor is delayed, the dehumidification icon " " will flash, and if the compressor is running, the dehumidification " " icon will be on, otherwise it will be off.

If the ambient humidity is lower than the setting humidity, the compressor will be stopped, and the humidity control icon " " will flash, otherwise it will be off.

When the machine needs to be cleaned, the cleaning icon " " will flash, otherwise it is off.

When the machine is defrosting, the defrost icon " " will flash, and go out when the defrosting ends.

6. 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.

Defrost Action: The fan will keep running and the compressor will stop.

When Defrosting: The defrosting character or icon " " will flash.

When Defrosting Stops: The defrosting character or icon " " will go out, the fan and the compressor will both work according to dehumidification requirements.

7. Temperature Protection Function

When the ambient temperature is higher than the Default Highest Temperature (113°F), the system will enter high temperature protection, the small figure on the screen will indicate "HH", and the compressor will stop.

When the ambient temperature is lower than the Default Lowest Temperature (39 °F), the system will enter the low temperature protection, the small figure on the screen will indicate "LL", and the whole machine will stop.

3. Screen Description

Big Font Digital Number (59 RH% in the above illustration) is humidity percentage reading of the inlet air that the dehumidifier detects which is similar to the room humidity level. When you are pressing the or button to set a desired humidity percentage value, the big font digital number will turn to display the setting value and flash.

OPERATION INSTRUCTIONS

Small Font Digital Number (78°F in the above illustration) is temperature reading of the inlet air which is similar to the room temperature. However, if the timer function is being set or has been activated, the small font digital number will turn to display the timer setting value or time remaining.

Running **Running Icon:** Running icon flickers typically because the compressor has not kicked in. It usually happens 1) when the dehumidifier is under the 3-minute compressor delay status; 2) when the dehumidifier is program med to delay-start (AUTO ON TIMER).

Wet Controller **Wet Controller Icon:** Wet Controller icon flickers when the room humidity level (inlet humidity reading) is 3% lower than the set humidity.

1) When you see the “Wet Controller” icon illuminating while setting up, it typically means the set humidity level is not 3% lower than the inlet humidity reading. Please make sure the set humidity value is at least 3% (10% recommended) lower than the inlet humidity reading.

2) In Humidistat Mode, if you see “ Wet Controller” icon illuminating after running the dehumidifier for a while, it means the dehumidifier has got the room humidity down to the set point and the dehumidifier enters into standby mode.

Defrost **Defrosting Icon:** The dehumidifier begins to defrost when the frost has accumulated on the interior of the dehumidifier. When the dehumidifier is defrosting, the fan is running, but the compressor is not, the defrost icon is flashing. The dehumidifying function will cease until the frost has melted. When defrosting is complete, the defrosting Icon will disappear and the dehumidifier will begin to dehumidify again atutomatically.

Note: The frequent defrost process indicates that the room temperature is too cold. Therefore, if the room temperature is lower than 60°F, please consider adding heat to promote proper drying.

 **Fan Icon:** The fan icon illuminates when the fan is running.

 **Timer Icon:** Timer icon illuminates when the timer function is enabled.

 **Water Droplets Icon:** The water droplets icon illuminates when the compressor kicks in, which means the dehumidifier is dehumidifying. When the compressor delays to start due to the 3-minute delay system, this icon flickers.

4. Error & Protection Code

Malfunction Codes	Description
E0	Malfunction of defrosting temperature sensor 2
E1	Malfunction of humidity sensor
E2	Malfunction of defrosting temperature sensor 1
E3	Malfunction of phase sequence (reverse phase or lack phase)
E4	Malfunction of environmental temperature sensor
E5	Malfunction of system high pressure
E6	Malfunction of system low pressure
E7	Alarm for full water
E8	Malfunction of overloading current of compressor
E9	Malfunction of overloading current of air blower
ER(EA)	Defrost temperature sensor 3 failure
Eb (Eb)	Defrost temperature sensor 4 failure
Ec (Ec)	Display information transmission abnormal

Note:

1.If display EO E1 E2 E3 E4 ER or Eb fault, compressors, fans were still working, only alarm and display fault code, turn off the electricity power then turn on still can start (a few seconds for the alarm sound, press any button to reset the alarm sounds).

2.E3 E5 E6 E8 E9 alarms, troubleshooting, need power off, then power on, the alarm will relieve.

3.When E2 fails, the operation of the machine is not controlled by the operation panel.

If the malfunction is still present, please don't hesitate to contact Yaufey Customer Service email: support@yaufey.com for help.

5. Water Drainage

Continuous Drainage by Gravity

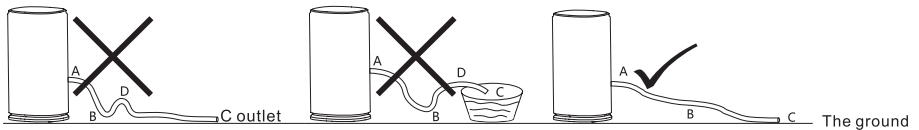
Water can be automatically be emptied into a floor drain by attaching the included drainage hose.

To Achieve Continuous Drainage:

- Extend the drainage hose and direct it to a suitable drainage facility, like a floor drain.

Note:

- Be sure to run the slopping water hose downward to let the water flow out smoothly. No kinks or no bent.
- If the condensed water would be drained out to an external container via the hose, be sure NOT to submerge the other end of the hose into the drained out water.
- It is recommended to use a short hose. If the drain hose is too long, water may not drain completely, which can lead to stagnant water and mildew will build up inside the hose.



WARNING:

Please make sure to draw out the power cable before cleaning and maintenance to the machine.

Do not use detergent, steel wool, chemically treated cloth, gasoline, benzene, thinner or other solvents for the cleaning as these items could damage the machine body.

Cleaning the Filter

This device is equipped with a filter trap that can be washed, by which this machine can isolate large part of the contaminants transmitted through air, such as dust, smoke, animal fur, mold spore and pollen, reduce the substances that could cause sensitization.

It is suggested to check the filtering mesh regularly, make cleaning at least one time per month or before storage.

- Get out the filter trap
- Remove the contaminant in the filter trap by dust cleaner.
- If the filter trap is extreme dirty, use the warm water and soft cleaner for the cleaning, air dry the part thoroughly. Do not expose the part to direct sunlight or use other heating device for baking, as this could deform the filter trap body and its frame.
- Equip the filter trap back in the device after cleaning.

1. The device is attached with one drainage hose; it is connected to the drainage outlet for continuous drainage.

2. Ensure no bending in the drainage hose for smooth water flow.

User shall never repair or disassemble the machine body through do-it-yourself, improper repairing could endanger the user's body.

FAULTS AND PROCESSING METHODS

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, or crafts and materials in the unit.

If all troubleshooting steps have been exhausted and the issue is still occurring, please feel free to reach out to Yaufey Customer Service to get further assistance.

Malfunction	Cause	Solution
The dehumidifier do not operate	1. Power failure. 2. The power switch is not connected. 3. The power plug is not plugged into the socket. 4. Fuse melted.	1. Supply power again. 2. Re-connect to power. 3. Insert plug into socket. 4. Replace fuse.
Poor dehumidification efficiency	1. Scaling in the air filtering mesh. 2. Block in the air intake of dehumidifier. 3. Door and window is open. 4. Refrigerant leaks.	1. Clean filtering mesh. 2. Remove blocks. 3. Close door and window. 4. Contact agent or manufacturer for repairing.
Water leakage	1. The machine is tilted. 2. Water hose outlet is blocked.	1. Adjust the machine to a horizontal position. 2. Remove the dirt inside the hose outlet.
Abnormal noise	1. The machine is tilted, instead of upright as it should be. 2. The air filter is clogged.	1. Place the machine levelly. 2. Clean the filter.

Warning:

If the dehumidifier is still not working properly as expected and the troubleshooting steps or solutions above may not resolve the issue.

Please shut down the dehumidifier and unplug the power, then contact Yaufey customer service at support@yaufey.com.

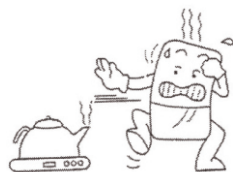
SPECIAL NOTES



- 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.



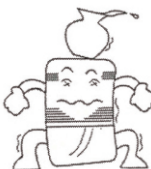
- 5 Please do not put objects around the body. If the ventilation is blocked, the dehumidification effect will be affected.



- 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.

TECHNICAL PARAMETERS

MODEL NO.	PD138A
POWER SOURCE	120V~60Hz
RATED POWER (95°F, 90%RH)	1800W
RATED CURRENT (95°F, 90%RH)	16A
MOISTURE REMOVAL (65°F, 60%RH)	85 Pints/Day (40L/Day)
MOISTURE REMOVAL (80°F, 60%RH)	135 Pints/Day (63.8L/Day)
MOISTURE REMOVAL (86°F, 80%RH)	232 Pints/Day (110L/Day)
MOISTURE REMOVAL (95°F, 90%RH)	291 Pints/Day (138L/Day)
INPUT POWER (65°F, 60%RH)	960W
INPUT CURRENT (65°F, 60%RH)	8.4A
IEF (65°F, 60%RH)	1.77 liters/kWh
MOTOR FLA	1.3A
MOTOR COMPRESSOR	RLA:11.8A LRA:58.0A
REFRIGERANT	R410A (28.2ozs) (800g)
MAXIMUM ALLOWABLE PRESSURE	800PSIG (5.5MPa)
HIGH PRESSURE	580PSIG (4.0MPa)
LOW PRESSURE	247PSIG (1.7MPa)

 **WARNING:**
This product can expose you to chemicals including Styrene and its compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information, please visit: www.P65Warnings.ca.gov

Warranty

Yaufey offers a 12-month warranty to all of our products together with the original proof of purchase when a defect occurred, including those newly purchased and unused, from Yaufey or through an authorized reseller, wholly or substantially, or as a result of faulty manufacturing parts, or workmanship during the Warranty Period.

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

- (a) Normal wear and tear;
- (b) Abuse, mishandling, accident or failure to follow operating instructions;
- (c) Exposure to liquid or infiltration of foreign particles;
- (d) Servicing or modification of the product other than by Waykar.

There are our general terms for the warranty service, but we always encourage our customers to contact us if any issues, regardless of warranty terms. If you are experiencing an issue with Yaufey product, you can reach out to us at support@yaufey.com, we will dedicate our efforts to resolve it for you.

Extend Your Warranty by 1 Year

Register your product at www.yaufey.com to extend your 1-year warranty by an additional year.

*Please fill out all required fields and include your Order ID, Date of Purchased if applicable.

Customer Support

If you have any questions or concerns about your product, please feel free to contact our expert support team. Yaufey customer service is here to help.

Yaufey Office

13211, Spring Street Baldwin Park, CA, US

Email: support@yaufey.com

Live Chat: www.yaufey.com

Support Hours

24 Hours available

*Please have your order number before contacting customer support.

YAUFEY

For FAQs and more information please visit:
www.yaufey.com



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(Scan the QR Code for Live Chat)

We are expecting to see our products fulfill your life and hear your voice.

Your satisfaction means a lot to us.

Please tag us if you share a snap on your social media.

www.yaufey.com