



waykar

USER MANUAL

Home Dehumidifier

This shared manual
is applicable to:

- YDZ-80
- YDZ-120
- YDZ-150
- YDZ-150PM



Please read the manual carefully before operating the device.

Message from WAYKAR

Thank you for choosing Waykar. Established in 2014 with a commitment to enhancing indoor air quality, Waykar has evolved into a leading brand for premium dehumidifiers and portable air conditioners.

Before you start exploring this product, read this manual carefully for necessary instructions first. It's advised to keep it for future reference.

24/7 Full-Time Response

Upon receipt of the dehumidifier, kindly inspect the package contents immediately for any potential missing or damaged parts. In case of issues, we would appreciate your prompt contact with Waykar support for solutions before initiating a return.

support@waykar.com



Important: Please Read Before Usage

Ensure the dehumidifier is always kept in an upright position to avoid internal damage. After unwrapping the dehumidifier, please set it upright and let it sit for **24 HOURS** before plugging it in.

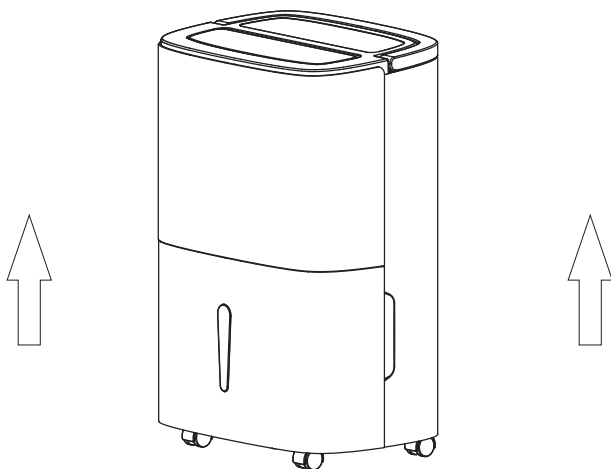


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SAFETY PRECAUTIONS

- Avoid placing the device on soft and uneven ground, otherwise there might be vibration and movement during operation.
 - Before plugging in, verify that the dehumidifier's voltage matches your electrical supply for safe and optimal performance.
 - The dehumidifier body is not waterproof, so please avoid contact with water, alcohol, and other liquids.
 - Ensure the dehumidifier is plugged into grounded outlets for safety.
 - Be sure to unplug the dehumidifier first before cleaning or packing it.
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- This dehumidifier is exclusively designed for indoor use.
 - Avoid sitting, standing, or placing heavy objects on the device.
 - Ensure the water tank is emptied before turning on the dehumidifier to prevent overflow and water spillage.
 - Please refrain from tilting the device to prevent product damage resulting from spilled water.
 - Avoid inserting fingers, rods, or other thin objects into the air inlet and outlet grilles of the dehumidifier.
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- For damaged cords, please contact the manufacturer or certified technicians for replacement to avoid hazards.
 - If the dehumidifier is not going to be used for an extended period, please remember to unplug it.
 - Keep the device away from heat-generating appliances, such as furnaces and electric kettles, and flammable materials.
 - Kindly use the power button to turn off the dehumidifier before unplugging it, rather than pulling the plug directly.
 - No pesticides or flammable liquids are allowed near the device.
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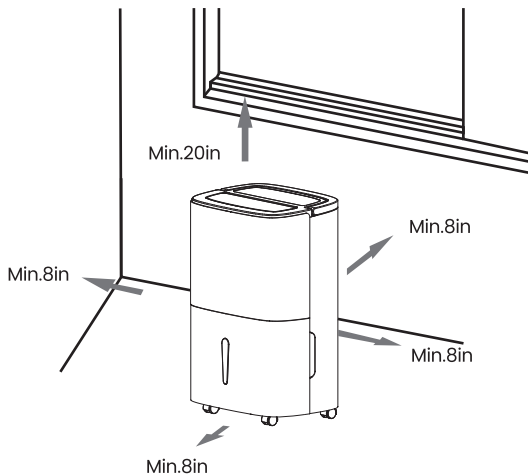
- Use soft cloth for cleaning and avoid splashing water directly on it.

SAFETY PRECAUTIONS

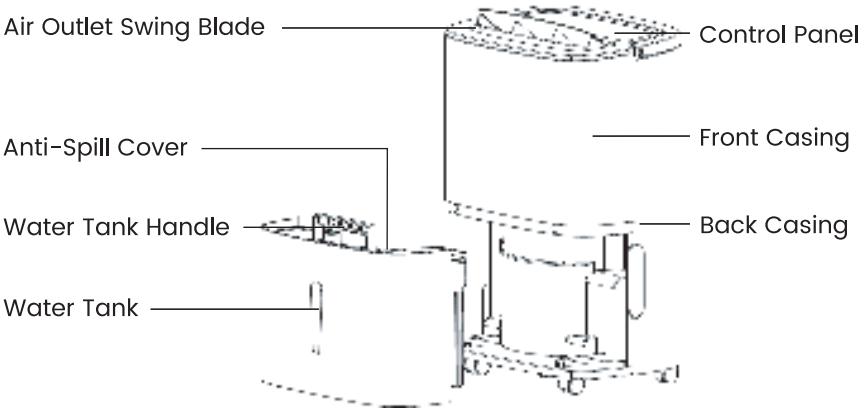
- It is recommended to use a neutral detergent for cleaning the dehumidifier. Alcohol, gasoline, benzene, and other chemical solvents are strictly prohibited for cleaning purposes.
- It is advised to keep doors and windows closed for the dehumidifier to achieve maximum moisture removal effectiveness.
- Always empty the water tank before moving or lifting the dehumidifier.
- Ensure the drain hose runs downhill without bending or winding for continuous water drainage.
- Children aged 8 and above, as well as individuals with reduced physical, sensory, or mental capabilities, should only operate the device under supervision. Children under the age of 8 should not tamper with it.

DEVICE POSITIONING & PLACEMENT

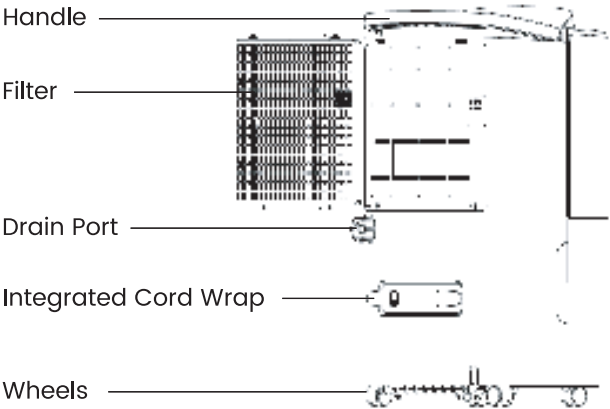
- When positioning the dehumidifier, please avoid placing the device too close to the wall or other objects to prevent blocking the air vents of the dehumidifier. Maintain a minimum 8-inch distance from the front, rear, left, and right of the device, and ensure a minimum 20-inch space above the device, as illustrated in the diagram.
- In case of noticeable noise during operation, it is recommended to place a layer of rubber padding under the dehumidifier for reduced noise levels and floor protection.



PARTS ILLUSTRATION



(Front Side)



(Back Side)

PACKAGE CONTENTS

For YDZ-80, YDZ-120 and YDZ-150

1 x Home Dehumidifier

1 x Drain Hose

1 x User Manual

For YDZ-150PM

1 x Home Dehumidifier

1 x Drain Hose

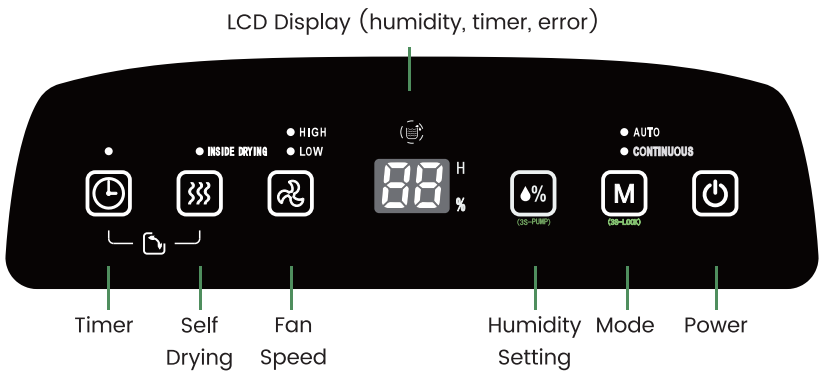
1 x Pump Drain Hose

1 x User Manual

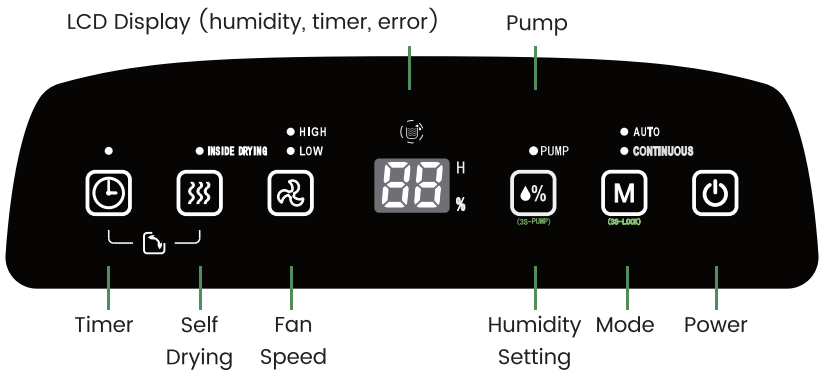
FUNCTION OVERVIEW

Control Panel Illustration

Applicable to YDZ-80, YDZ-120 and YDZ-150



Applicable to YDZ-150PM



Features

24-Hour Timer

Utilize the timer feature to automatically schedule your dehumidifier to turn on or off within a maximum duration of 24 hours. When the device is running, set a timer to cease operation at your desired hour. In standby mode, use the timer to automatically start dehumidification within your specified time frame.

FUNCTION OVERVIEW

Automatic Self-drying

The featured self-drying function effectively prevents moisture buildup and mold growth inside the dehumidifier, thus greatly improving its efficiency, performance, and lifespan. The automatic self-drying procedure takes about 50 minutes: the fan works for 30 minutes at high speed, followed by 20 minutes at low speed.

Adjustable Fan Speed

Press the [] button to choose between high or low speed to customize the pace of airflow in both AUTO and Continuous modes.

Two Modes Available: AUTO & CONTINUOUS

In Auto Mode, the dehumidifier automatically senses space humidity and adjusts its operation accordingly to maintain the preset humidity level.

1. When the humidity in your space falls below the target level by more than 5% RH, the compressor will stop running, then the fan will stop.
2. If the space humidity exceeds the preset level by more than 5% RH again, both the compressor and the fan will resume their operation as set.

In Continuous Mode, the dehumidifier runs continuously to keep your space dry, with compressor operating and fan running at high speed.

NOTE: The preset humidity won't be applied in Continuous Mode. However, you can adjust the airflow speed by pressing the [] button.

Auto Air Swing

The dehumidifier is designed with automatic air swing for improved airflow. Press the [] and [] buttons simultaneously to enable or disable automatic air swing.

Child Lock

This design keeps children from tempering with the device. Press and hold the [] button for 3 seconds to activate Child Lock protection. To deactivate, simply repeat the process.

FUNCTION OVERVIEW

Auto Defrosting

The dehumidifier automatically detects and addresses frost build-up on its coils to optimize energy efficiency and enhance operation in low temperatures. The "PI" symbol appears on the LCD display when defrosting is in progress.

Built-in Condensate Pump

(ONLY Applicable to YDZ-150PM)

A pump is incorporated into the YDZ-150PM model to drain water uphill or over a long distance, catering to basements and other crawlspaces where constant emptying of the water tank may not be plausible.

Press and hold the [ %] button for 3 seconds to activate or deactivate the pump function.

Frequently Asked Questions

Question One: Where should I place my dehumidifier for the most effective moisture removal?

Dehumidifiers are most effective in areas with poor ventilation, such as basements or bathrooms. With a water tank included, you can place it centrally in the room to allow for better air circulation, or position it near the drain pipes in your house for convenient water drainage.

Question Two: How often should I run my dehumidifier?

The frequency of use depends on the humidity levels in your environment. In damp conditions, running the dehumidifier continuously or as needed is recommended.

Question Three: Can I use the dehumidifier in winter?

Yes, the dehumidifier can work in winter as it's designed to operate effectively at lower temperatures. However, please note that as the air is relatively dry in winter, the dehumidifier may not function when your space temperature falls below 41°F.

Question Four: Why is warm air blown out of the air outlet?

The dehumidifier works by drawing in humid air and passing it over cooling coils containing a refrigerant, which condenses moisture in the air into liquid water. The cooling process results in the release of heat. Therefore, the air leaving the coils is warmer than the incoming air.

OPERATION INSTRUCTIONS

Power On/Off

After plugging in, press the [⏻] button turn on or off the dehumidifier.

Humidity Setting

1. Press the [💧] button to set a target humidity level for your space.
2. Each press cycles through humidity from 30% to 80% in 5% increments.
3. After finishing the setting, wait for 5 seconds until it automatically exits.

Mode Selection

Press the [M] button to enter AUTO or CONTINUOUS mode. The matching indicator will illuminate when a mode is selected.

Timer Setting

1. Press the [⌚] button to choose a timer duration from 1 to 24 hours,
To cancel a timer setting, simply short press the [⌚] button twice.
2. The timer indicator lights up when successfully set (Remaining hours also appear on the LCD display for an auto-start timer).

Enable/Disable Automatic Self-drying

When the device is on, press the [🌀] button to start or stop the auto self-drying function. You can also press the [⏻] button to stop self-drying and put the device into standby mode.

Error Code Explanation

Error	Meaning	Recommended Actions
FL	Water tank is full	Empty the water tank and put it back.
E1	Coil sensor error	Replace the coil sensor
E2	Temperature sensor error	Replace the temperature sensor.
P1	Defrosting in progress	No action required.
CL	Self-drying in progress	No action required.
LC	Child Lock activated	Press and hold the [M] button for 3 s to deactivate.

WATER DRAINAGE

Water Tank Drainage

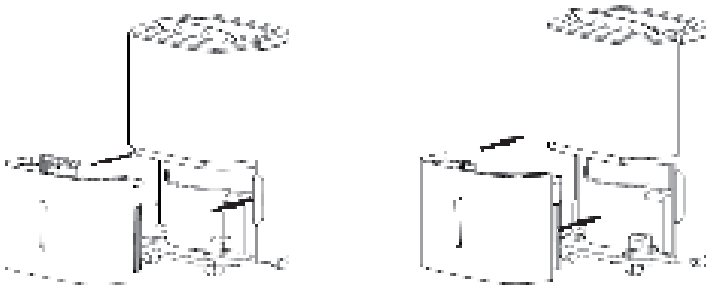
A water tank is included for efficient water collection, significantly enhancing the dehumidifier's mobility. Water tank volumes: a 3.5 L/0.9 Gal tank for the YDZ-80 and YDZ-120 models, and a 7 L/1.8 Gal tank for the YDZ-150 and YDZ-150PM models.

Full Tank Alarm

The dehumidifier automatically stop working when the water tank is full (both the compressor and the fan will pause) and gives off a buzzer alarm with the "FL" symbol flashing on the LCD display.

Tank Removal

1. Use both hands to hold the water tank and gently pull it out of its position. Be careful not to spill water in the process.
2. Next, lift the handle and grasp it to take the tank to a sink.
3. Remove the anti-spill cover (located on the right side) and pour water out.



Reinstall the Tank

1. After emptying the tank, reattach the cover and put down the handle.
2. Next, hold the tank and slide it back into place.
3. Turn the dehumidifier back on.

NOTE: Check if the float valve inside the water tank can rotate flexibly before putting the tank back into place.

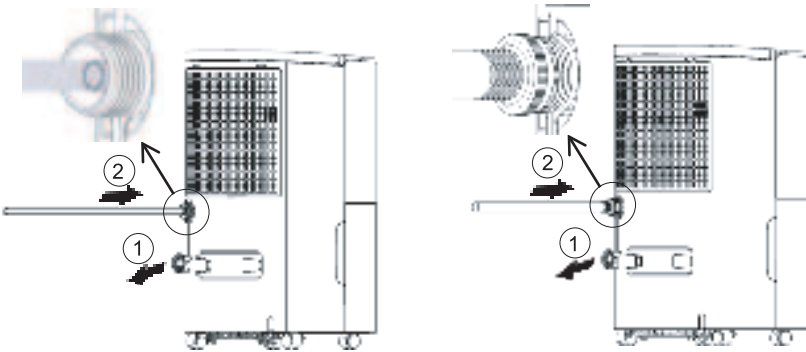
WATER DRAINAGE

Continuous Drainage

Connect the dehumidifier's drain port to a drain hose for continuous water outflow via (1) the included 3.3-ft long drain hose (Ø13mm in diameter), or (2) a standard garden hose with an out diameter of Ø 1^{1/16} in (1.0625 in or 26.98 mm) and 11.5 TPI pitch (NOT Included).

Step One: Locate the drain port on the back of the device, remove the cover, and unscrew the drain plug.

Step Two: Attach the included hose to link to a drain hose with a 13 mm diameter, or directly connect to your garden hose.



Note:

1. If the dehumidifier has been inactive for an extended period, it is recommended to clean the port beforehand. Additionally, use a cup to catch any remaining water before removing the cover.
2. Maximum drainage length: 23.62 inches.
3. The hose should run smoothly downhill and remain at least 3.94 inches lower than the drain port level to prevent water leakage.



WATER DRAINAGE

Pump Drainage

(Only Applicable to YDZ-150PM)

The featured pump drainage of YDZ-150PM makes it convenient to drain water uphill or over a long distance.

1. Take out the hose with a 0.19" inner diameter from the packaging.
2. Locate the drain port on the back of the device, remove the cover, and unscrew the drain plug.
3. Attach the Ø0.19" hose to the dehumidifier's drain port.
4. Press and hold the [▲%] button for 3 s to enable pump drainage.

Note: Maximum vertical height for pump drainage: 16.4 feet.

TROUBLESHOOTING

For device malfunctions, try these troubleshooting steps before contacting the manufacturer to save time and potentially resolve the issue.

Problem	Possible Cause	Solutions
Unable to run the dehumidifier	Loose power connection	Check if the device is properly plugged into a working electrical outlet.
	The water tank is full or not properly placed.	Empty the water tank and make sure it's properly positioned.
	Space temperature out of the 5-32°C range	The device can only operate in temperatures between 5°C and 32°C.
Not effectively dehumidifying the space	Low room temperature or humidity	The air in the space is already relatively dry.
	Blocked air inlet or outlet	Ensure that the inlet or outlet is kept clear of any objects.
Much noise	Unstable device placement	Position the dehumidifier on a flat surface.
	Blocked filter grille	Clean the filter grille.
	Tittering sound?	Refrigerant flowing sound. No action required.
Water leakage	Loose hose connection	Ensure that the hoses are firmly attached.
	Blocked drain port	Clean the port and ensure the drain hose is clear and smooth.
Dehumidifier not working and P1 error	Low space temperature and frost build-up inside the device	Defrosting in progress; it will resume working afterward.

SPECIFICATIONS

 WARNING

We are required by the laws of the State of California to disclose that this appliance may expose you to Styrene and its compounds, which are known to cause cancer, birth defects, and other reproductive harm in case of significant exposure over an extended period of time.



Caution: The appliance contains R32 refrigerant gas (as indicated by the rating plate on the device). Please refer to the manual for information regarding the amount of R32 refrigerant included. The device should be positioned, operated, and stored in an area with a minimum space of 43 sq. ft.

Applicable to YDZ-80	
Rated Voltage/Frequency	115V/60Hz
Total Input Current	4.5 A
Input Power (at 65°F, 60%RH)	300W
Moisture Removal Capacity(at 65°F, 60%RH)	24 Pints/Day(11.3 L)
Moisture Removal Capacity(at 80°F, 60%RH)	35 Pints/Day(16.5 L)
Moisture Removal Capacity(at 86°F, 80%RH)	62 Pints/Day(29.3 L)
Rated Max. Moisture Removal	80 Pints/Day (37.8 L)
Integrated Energy Factor (IEF, at 65°F, 60%RH)	1.57 L/kWh
Motor FLA	0.5 A
Motor Compressor (RLA/LRA)	2.4 A/16.2 A
Refrigerant/Qty	R32/105 g
Max. Allowable Working Pressure	5.0 Mpa
High Pressure	3.8 Mpa
Low Pressure	1.5 Mpa

SPECIFICATIONS

Applicable to YDZ-120

Rated Voltage/Frequency	115V/60Hz
Total Input Current	6.0 A
Input Power (at 65°F, 60%RH)	370W
Moisture Removal Capacity(at 65°F, 60%RH)	35 Pints/Day(16.5 L)
Moisture Removal Capacity(at 80°F, 60%RH)	50 Pints/Day(23.6 L)
Moisture Removal Capacity(at 86°F, 80%RH)	80 Pints/Day(37.8 L)
Rated Max. Moisture Removal	120 Pints/Day (56.8 L)
Integrated Energy Factor (IEF, at 65°F, 60%RH)	1.8 L/kWh
Motor FLA	0.5 A
Motor Compressor (RLA/LRA)	2.9 A/18.7 A
Refrigerant/Qty	R32/150 g
Max. Allowable Working Pressure	5.0 Mpa
High Pressure	3.8 Mpa
Low Pressure	1.5 Mpa

Applicable to YDZ-150 and YDZ-150PM

Rated Voltage/Frequency	115V/60Hz
Total Input Current	6.8 A
Input Power (at 65°F, 60%RH)	520W
Moisture Removal Capacity(at 65°F, 60%RH)	50 Pints/Day(23.6 L)
Moisture Removal Capacity(at 80°F, 60%RH)	70 Pints/Day(33.1 L)
Moisture Removal Capacity(at 86°F, 80%RH)	100 Pints/Day(47.3 L)
Rated Max. Moisture Removal	150 Pints/Day (70.9 L)
Integrated Energy Factor (IEF, at 65°F, 60%RH)	1.8 L/kWh
Motor FLA	0.46 A
Motor Compressor (RLA/LRA)	4.0 A/23 A
Refrigerant/Qty	R32/180 g
Max. Allowable Working Pressure	5.0 Mpa
High Pressure	3.8 Mpa
Low Pressure	1.5 Mpa

Note:

Recommended working temperature for the dehumidifier: 41°F to 90°F.
The device may experience malfunctions outside this temperature range.

The company reserves the right to modify the product without formal notice to the public.

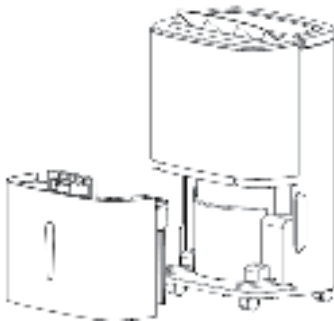
MAINTENANCE & CLEANING

While it's recommended to run the dehumidifier year-round for a comfortable environment, follow these steps for proper storage during extended periods of non-use to preserve performance and lifespan.

1. Firstly, unplug the unit and allow it to cool.
2. Empty and clean the water tank. If a drain hose is attached, detach it and clean the drain port.
3. Clean and dry the filter.
4. Wrap the power cord neatly around the integrated cord wrapper.
5. Cover the device with a breathable cloth to protect it from dust.
6. Store it in a dry and well-ventilated place, away from direct sunlight.

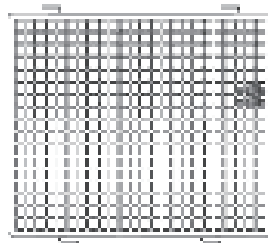
Tank Cleaning

Please empty the water tank regularly, especially before plugging in the dehumidifier. Clean the water tank and its cover with soft cloth to prevent mold growth and dust buildup.



Filter Cleaning

The dehumidifier comes with a removable filter. Please clean the filter regularly for dust, smoke, animal dander, mold spores, and pollen to reduce airborne allergens in the air.



WARRANTY & CONTACT

Warranty

All Waykar products are covered under our 12-month warranty. Customers, whether purchasing directly from Waykar or through an authorized retailer, can reach out to Waykar for support. An order invoice or proof of purchase will be appreciated.

Please note that product damage caused by regular wear and tear will not be covered under warranty, and the warranty will be voided for these behaviors (including but not limited to):

1. Failing to follow the instructions in the manual.
2. Purposeful mishandling of the device.
3. Damaging the device through violent impact.
4. Exposing the device to liquids or infiltrating foreign particles.
5. Unauthorized modification or overhauling of the device.

These are our general terms for warranty service. Customers are more than welcome to contact us for any feedback or advice.

Extend Your Warranty by 1 Year

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

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

Customer Support

For any product-related queries, kindly contact our support team at Waykar. In case of missing, displaced, or damaged dehumidifier parts, you can always reach out to Waykar support for assistance.

WAYKAR Office

🏠 805 Victory Trail Rd, Gaffney, SC, 29340 USA

✉ Email: support@waykar.com

💬 Live Chat: www.waykar.com

🕒 24/7 Full-Time Response

*Have your Order Number ready before contacting customer support.

waykar



Scan the QR code
for Live Chat

This shared manual is applicable to four models:

YDZ-80, YDZ-120, YDZ-150, YDZ-150PM



@ Waykar

We hope our products will make your living space healthier and more comfortable.

Your satisfaction is our top priority.

Feel free to tag us when you share a snap on your social media.

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