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› RUWORA 30-Pint Dehumidifier PD8R-05BE User Manual

RUWORA PD8R-05BE

RUWORA 30-Pint Dehumidifier PD8R-05BE User Manual

Model: PD8R-05BE

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your RUWORA 30-Pint Dehumidifier, Model PD8R-05BE. Please read this manual thoroughly before using the appliance and retain it for future reference.



Figure 1: Front view of the RUWORA 30-Pint Dehumidifier.

2. IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock, or injury, observe the following safety precautions:

- Read all instructions before using this appliance.
- This dehumidifier is designed to operate in environments between 41 °F (5°C) and 95 °F (32°C).
- Before plugging in the unit, ensure it has been standing upright and outside its packaging for at least 24 hours. This allows the refrigerant to settle.

- Always close doors and windows in the area where the dehumidifier is operating to ensure optimal performance.
- Do not operate the dehumidifier with a damaged cord or plug.
- Do not insert fingers or foreign objects into the air inlet or outlet.
- Unplug the appliance before cleaning or performing any maintenance.
- Keep the appliance away from water and other liquids.

3. PRODUCT OVERVIEW

3.1 Components

Upgraded Humanized Design



Figure 2: Key components of the dehumidifier, including the RGB humidity indicator, washable filter, water tank, and removable wheels.

- **Control Panel:** Touch-sensitive interface for setting and monitoring.
- **RGB Humidity Indicator:** Changes color based on ambient humidity levels.
- **Air Inlet/Outlet:** Where air enters and exits the unit.
- **Washable Filter:** Reusable filter for air purification.
- **Water Tank:** Removable reservoir for collected moisture.
- **Continuous Drain Port:** Connection point for a drain hose.

- **360° Removable Wheels:** For easy portability.

3.2 Control Panel

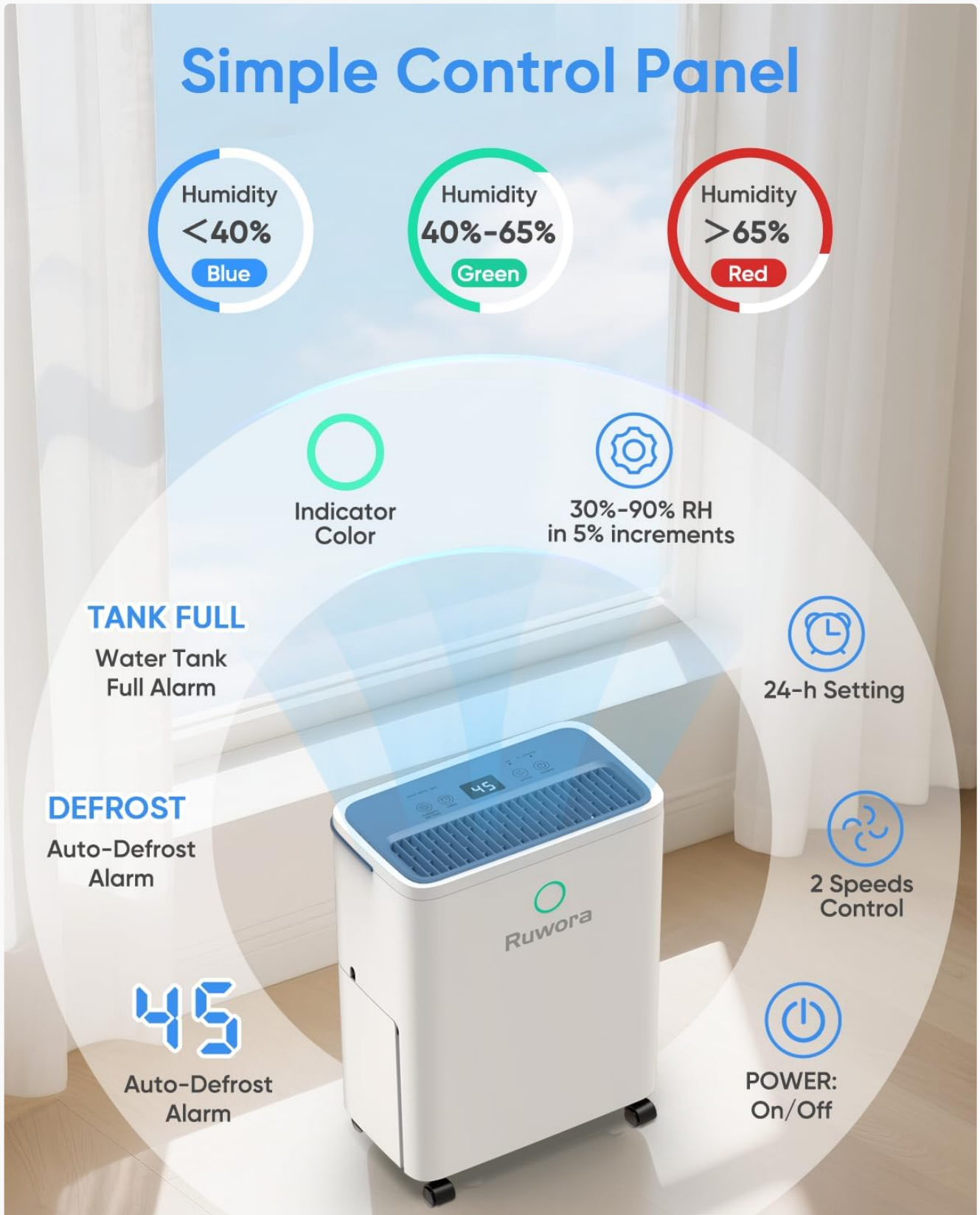


Figure 3: Detailed view of the dehumidifier's control panel.

- **Display Screen:** Shows current humidity, timer settings, and error codes.
- **Humidity Setting Button:** Adjusts target humidity (30%-90% RH in 5% increments).
- **Timer Button:** Sets the 24-hour automatic switch on/off timer.
- **Fan Speed Button:** Selects between two fan speeds.

- **Power Button:** Turns the unit on or off.
- **Indicator Lights:** For Tank Full, Defrost, and operating modes.

4. SETUP

1. **Unpack the Dehumidifier:** Carefully remove the unit from its packaging.
2. **Allow to Stand Upright:** Place the dehumidifier in an upright position for at least 24 hours before plugging it into a power outlet. This ensures the compressor oil settles correctly.
3. **Positioning:** Place the dehumidifier on a level surface in the desired location. Ensure there is adequate space around the unit for proper airflow (at least 8 inches from walls or furniture).
4. **Power Connection:** Plug the power cord into a grounded electrical outlet (120V AC).

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **Power** button on the control panel to turn the dehumidifier on or off.

5.2 Setting Desired Humidity

Press the **SETTING** button repeatedly to adjust the target humidity level. The humidity can be set between 30% and 90% Relative Humidity (RH) in 5% increments. The unit will automatically stop dehumidifying when the set humidity is reached and restart when the humidity rises above the set level.

5.3 RGB Humidity Indicator



Figure 4: RGB indicator displaying humidity status.

The indicator ring on the front of the unit provides a quick visual reference for the current indoor humidity:

- **Red:** Humidity > 65% (High Humidity)
- **Green:** Humidity 40% - 65% (Ideal Range)
- **Blue:** Humidity < 40% (Low Humidity)

5.4 Fan Speed Control

Press the **Fan Speed** button to toggle between two available fan speeds (High and Low). Lower fan speed results in quieter operation.

5.5 24-Hour Timer Function

Press the **Timer** button to set a desired time (in hours) for the unit to automatically turn on or off. This allows for

scheduled operation.

5.6 Operating Modes

3 Working Modes Meet Your Needs



Figure 5: Overview of the three available operating modes.

The dehumidifier offers three distinct operating modes:

- **AU Mode (Automatic Mode):** Designed to maintain a comfortable humidity level, often suitable for general living spaces like bedrooms.
- **CO Mode (Continuous Operation Mode):** Ideal for drying clothes or maintaining very low humidity, such as in

closets or laundry rooms.

- **Self-Setting Mode:** Allows users to manually set their preferred target humidity level for customized comfort.

6. DRAINAGE OPTIONS

The RUWORA dehumidifier offers two methods for water removal:

6.1 Manual Drainage (Water Tank)



Figure 6: Removing the water tank for manual emptying.

The unit features a 2.3L (0.52-gallon) water tank. When the tank is full, the dehumidifier will automatically turn off, illuminate the "Full" indicator, and sound an alarm (three beeps). To empty the tank:

1. Gently pull out the water tank from the front of the unit.
2. Carefully empty the collected water.
3. Slide the empty tank back into the unit until it clicks into place. The dehumidifier will resume operation.

6.2 Continuous Drainage (Drain Hose)

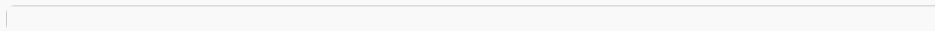


Figure 7: Connecting the drain hose for continuous water removal.

For continuous operation without emptying the water tank, you can use the included 39.4-inch (6.56 ft) drain hose. To set up continuous drainage:

1. Locate the continuous drain port on the back or side of the unit.
2. Remove the rubber stopper (if present).
3. Connect one end of the drain hose to the port, ensuring a secure fit.
4. Direct the other end of the hose to a suitable drain location (e.g., floor drain, sink, bucket), ensuring the hose is sloped downwards to allow gravity drainage.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

7.1 Cleaning the Air Filter



Figure 8: Removing the washable air filter.

The dehumidifier is equipped with a washable filter. A dirty filter can reduce efficiency. Clean the filter every two weeks or as needed:

1. Unplug the dehumidifier from the power outlet.
2. Locate and remove the air filter (typically at the back or side of the unit).
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinstalling it. Do not use a dryer or direct heat.

7.2 Cleaning the Water Tank

Clean the water tank periodically to prevent mold and mildew growth:

1. Remove the water tank as described in Section 6.1.
2. Wash the tank with warm water and a mild detergent.
3. Rinse thoroughly and dry before placing it back into the unit.

7.3 Exterior Cleaning

Wipe the exterior of the dehumidifier with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

7.4 Storage

If storing the unit for an extended period:

1. Unplug the unit and empty the water tank.
2. Clean the air filter and water tank.
3. Coil the power cord neatly.
4. Store the unit in an upright position in a cool, dry place.

8. TROUBLESHOOTING

Before contacting customer support, refer to the following table for common issues and solutions:

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Power cord not fully plugged in; Water tank full or not properly seated.	Check power outlet; Ensure power cord is secure; Empty and re-seat water tank.
Unit runs but does not dehumidify.	Air filter clogged; Room temperature too low; Doors/windows open; Humidity setting too high.	Clean air filter; Ensure room temperature is above 41 °F (5°C); Close doors/windows; Lower target humidity setting.
"Tank Full" indicator is on, but tank is not full.	Water tank not properly seated; Float switch malfunction.	Remove and re-insert water tank firmly; If issue persists, contact customer support.
Unit is noisy.	Unit not on a level surface; Air filter clogged; Fan speed set to high.	Place on a level surface; Clean air filter; Select lower fan speed.
Frost appears on coils.	Room temperature too low.	The unit has an automatic defrost function. If frost persists, ensure room temperature is within operating range.

9. SPECIFICATIONS

Feature	Detail
Brand	RUWORA
Model Name	30 Pints Dehumidifier
Item Model Number	PD8R-05BE
Dehumidification Capacity	30 Pints per Day (at 95°F, 90% RH)
Coverage Area	Up to 1500 Square Feet
Water Tank Capacity	0.52 Gallons (2.3 Liters)
Product Dimensions	11"D x 13.5"W x 6.5"H
Item Weight	15.82 pounds
Voltage	120 Volts (AC)
Wattage	150 watts
Operation Mode	Smart
Number of Speeds	2
Special Features	24H Timer, Real-time Humidity Monitor, Quiet Operation (<35dB), Automatic Defrost, Adjustable Humidity Control (30%-90%), Fan Speed Control, Continuous Draining, Washable Filter, RGB Humidity Indicator
Recommended Uses	Residential (Basement, Office, Living Room, Bedroom, Garage, Laundry Room, Closet, RV)

10. WARRANTY AND CUSTOMER SUPPORT

For warranty information or technical assistance, please contact RUWORA customer support. Details regarding warranty coverage and how to reach support are typically provided with your purchase documentation or on the manufacturer's official website.