Wellsle PD11D

Wellsle 50 Pint Dehumidifier User Manual

Model: PD11D

1. Introduction and Safety Information

This manual provides essential information for the safe and efficient operation of your Wellsle 50 Pint Dehumidifier. Please read it thoroughly before first use and retain it for future reference.

Important Safety Notes:

- Always ensure the unit stands upright for at least 24 hours before initial use to allow the refrigerant to settle. Failure to do so may result in damage to the compressor.
- Do not block the air inlet or outlet.
- Keep the dehumidifier away from heat sources and direct sunlight.
- Ensure the power cord is not damaged and is properly grounded.
- Do not operate the unit with wet hands.
- 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.

2. Product Overview and Features

The Wellsle 50 Pint Dehumidifier is designed to efficiently remove excess moisture from your home, basement, bedroom, bathroom, garage, kitchen, RV, or office, creating a more comfortable and healthier environment.



Figure 2.1: Wellsle 50 Pint Dehumidifier, showing its compact design and digital display.

Key Features:

- **High Dehumidification Capacity:** Removes up to 50 pints of moisture per day under optimal conditions (95°F, 90% RH).

- **Versatile Working Modes:** Features DEHU (precise humidity control), DRY (rapid clothes drying), and CONT (continuous dehumidification) modes.
- **Dual Drainage Options:** Includes a 6.56-foot drain hose for continuous drainage and a 0.66-gallon (2.51L) removable water tank for manual emptying.
- **Smart Controls:** Equipped with a 24-hour two-way timer and adjustable humidity settings (80%-30%).
- **Child Lock Function:** Enhances safety by preventing unintended changes to settings.
- **Quiet Operation:** Operates at a noise level below 40 decibels, ensuring a peaceful environment.
- **Easy Mobility:** Features a top handle, ergonomic recessed handle, and 360° invisible wheels for convenient relocation.
- **Washable Filter:** Detachable and washable filter panel helps maintain air quality and unit efficiency.



Figure 2.2: Illustration of the dehumidifier's capacity to remove 50 pints of moisture daily, equivalent to approximately 47 standard 16.9 fl oz water bottles.

3. Setup and Installation

Proper setup ensures optimal performance and longevity of your dehumidifier.

Initial Placement:

- Place the dehumidifier on a flat, stable surface.
- Allow at least 8 inches (20 cm) of space around the unit for proper air circulation.
- As mentioned in safety notes, allow the unit to stand upright for 24 hours before plugging it in for the first time.

Drainage Options:

Your Wellsle dehumidifier offers two methods for water removal:

1. **Manual Drainage (Water Tank):**

   The unit comes with a 0.66-gallon (2.51L) removable water tank. When the tank is full, the unit will automatically shut off and an indicator light will illuminate. Carefully remove the tank, empty the collected water, and reinsert it securely. In high humidity environments, frequent emptying may be required.

2. **Continuous Drainage (Drain Hose):**

   For continuous operation without needing to empty the tank, attach the included 6.56-foot drain hose to the continuous drainage port on the back of the unit. Route the hose downwards to a suitable drain (e.g., floor drain, large bucket) ensuring there are no kinks or blockages in the hose to allow for gravity drainage.



Figure 3.1: Illustration of the two drainage methods: manual drainage using the water tank and continuous drainage with the included hose.

4. Operating Instructions

Familiarize yourself with the control panel and operating modes for effective humidity control.



Figure 4.1: Top view of the control panel with various buttons and indicators.

Control Panel Functions:

- **POWER Button:** Turns the unit On or Off.
- **MODE Button:** Cycles through the three operating modes:
  - **DEHU Mode:** Standard dehumidification. Allows you to set a target humidity level.
  - **DRY Mode:** Designed for rapid drying of clothes or damp items.
  - **CONT Mode:** Continuous dehumidification, ideal for very damp areas like basements where constant moisture removal is needed.
- **HUMIDITY Button:** In DEHU mode, press to adjust the desired humidity level (range: 30% - 80% Relative Humidity).
- **TIMER Button:** Sets the 24-hour two-way timer for scheduled operation (e.g., turn on after X hours, turn off after Y hours).
- **SPEED Button:** Adjusts fan speed (Low/High).
- **LOCK Button:** Activates or deactivates the child lock function, preventing accidental changes to settings.
- **Digital Display:** Shows current humidity level, timer settings, or error codes.



Figure 4.2: Visual representation of the three practical working modes: DEHU for general dehumidification, DRY for clothes drying, and CONT for continuous operation.

General Operation:

1. Plug the unit into a grounded electrical outlet.
2. Press the **POWER** button to turn on the dehumidifier.
3. Select your desired operating mode using the **MODE** button.
4. If in DEHU mode, use the **HUMIDITY** button to set your target humidity level. The unit will operate until the set humidity is reached, then cycle on and off to maintain it.
5. Adjust fan speed with the **SPEED** button if needed.
6. To set a timer, press the **TIMER** button and use the humidity/timer adjustment buttons to set the desired duration.
7. Activate the **LOCK** function to prevent accidental changes.

5. Maintenance

Regular maintenance ensures the efficiency and extends the lifespan of your dehumidifier.

Cleaning the Air Filter:

The air filter should be cleaned regularly (e.g., every two weeks or more often depending on usage and air quality) to prevent dust and dirt buildup, which can reduce efficiency.

1. Turn off the dehumidifier and unplug it from the power outlet.
2. Locate the filter panel (usually on the back or side of the unit).
3. Gently remove the filter.
4. Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting. Do not use a dishwasher or harsh chemicals.
5. Once dry, carefully place the filter back into its slot.



Figure 5.1: The easy-to-disassemble and washable filter panel, designed to prevent dust and dirt from entering the unit and ensure clean air output.

Emptying the Water Tank:

If you are not using the continuous drainage option, the water tank will need to be emptied when full. The unit will stop operating and indicate a full tank.

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

Storage:

If storing the unit for an extended period, ensure the water tank is empty and clean, and the filter is clean and dry. Store the unit upright in a cool, dry place.

6. Troubleshooting

Before contacting customer support, please refer to the following common issues and solutions.

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power, power cord not plugged in, full water tank, or temperature too low.	Check power connection. Empty water tank. Ensure room temperature is within operating range (typically above 41°F / 5°C).
Unit is running but not collecting water or dehumidifying effectively.	Air filter clogged, humidity setting too high, room size too large, or unit not upright for 24 hours before first use.	Clean the air filter. Lower the target humidity setting. Ensure the unit is suitable for the room size. If this is the first use, ensure it stood upright for 24 hours. If the issue persists, contact support.
Unit is noisy.	Unit not on a level surface, or internal components vibrating.	Place the unit on a flat, stable surface. Check for any loose parts. If noise is excessive, contact support.
Water leaks from the unit.	Water tank not properly inserted, or continuous drain hose is kinked/blocked.	Ensure the water tank is securely in place. Check the continuous drain hose for kinks or blockages and ensure it is sloped downwards.

7. Specifications

Detailed technical specifications for the Wellsle 50 Pint Dehumidifier.

Brand	Wellsle
Model Name	PD 11D
Capacity	50 Pints (per day)
Tank Volume	0.66 Gallons (2.51 Liters)
Product Dimensions (D x W x H)	9.8" x 13.8" x 20.8"
Item Weight	32.4 Pounds
Wattage	220 watts
Noise Level	Below 40 decibels
Recommended Floor Area	Up to 3500 Square Feet

UPC	785034482052



Figure 7.1: Dimensional diagram of the Wellsle 50 Pint Dehumidifier.

8. Warranty and Customer Support

Wellsle is committed to providing high-quality products and excellent customer service.

- **Return Policy:** Your Wellsle 50-Pints Dehumidifier is backed by a 30-day return policy.
- **Extended Warranty:** The product includes a 2-year extended warranty.
- **Technical Support:** Lifetime technical support is provided for your convenience.
- **Contact Us:** Should you have any inquiries, issues, or require technical assistance, please contact Wellsle customer support. We aim to respond within 24 hours to provide assistance.

For the most up-to-date contact information, please refer to the official Wellsle website or your purchase documentation.

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