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Waykar DP600B

Waykar DP600B Commercial Dehumidifier Instruction Manual

Model: DP600B

1. Introduction

Thank you for choosing the Waykar DP600B Commercial Dehumidifier. This manual provides essential information for the safe and efficient operation of your new appliance. Please read it thoroughly before use and retain it for future reference.
This powerful dehumidifier is designed to effectively remove excess moisture from large spaces, improving air quality and preventing issues related to high humidity such as mold, mildew, and musty odors. Its robust construction and intelligent features make it suitable for various commercial and residential applications.

2. Safety Instructions

WARNING: Please read all safety warnings and instructions carefully before operating this appliance to reduce the risk of fire, electric shock, or injury.

- Always connect the dehumidifier to a properly grounded electrical outlet.
- Do not operate the unit with a damaged cord or plug.
- Ensure the unit is placed on a stable, level surface to prevent tipping.
- Maintain adequate clearance around the air inlets and outlets for proper air circulation.
- Do not insert fingers or foreign objects into the air vents.
- Unplug the unit before cleaning or performing any maintenance.
- Keep the unit away from heat sources, flammable materials, and water.
- 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.

For detailed safety information, refer to the full User Manual PDF provided with your product or available online.

3. Product Overview

3.1 Components

- **Control Panel:** Digital display and buttons for operation.
- **Air Inlet/Outlet:** Vents for air intake and exhaust.
- **Water Tank:** Removable reservoir for collected water (1.32 Gallons capacity).
- **Drain Hose Connection:** Port for continuous drainage.
- **Easy-Roll Universal Castors:** Wheels for easy mobility.
- **Ergonomically Recessed Handles & Lift-up Handle:** For convenient transport.

Figure 1: Front view of the Waykar DP600B Commercial Dehumidifier.

Figure 2: Side view illustrating the dimensions (13.38"D x 13.38"W x 24.6"H) and ergonomic handles and universal wheels for easy movement.

3.2 Key Features

- **High Capacity:** Removes up to 155 pints of moisture per day (under 95°F, 90%RH conditions).
- **Large Coverage Area:** Ideal for spaces up to 8,000 Sq. Ft.
- **Adjustable Humidity:** Set desired humidity levels from 10%RH to 90%RH.
- **Auto Defrost:** Automatically defrosts when coils ice up, ensuring continuous operation.
- **Power Outage Auto Restart:** Unit resumes previous settings after a power interruption.
- **24-hour Timer:** For preset operation and energy saving.
- **Dual Drainage Options:** Manual water tank (1.32 Gallons) or continuous auto-drain with included 6.56 ft hose.
- **Detachable & Washable Filter:** Easy to remove and clean for optimal performance.
- **High/Low Temperature Protection:** Compressor stops working immediately, and the fan stops working later to protect the machine.

Figure 3: The dehumidifier's capacity to cover up to 8,000 Sq. Ft and remove 155 Pints of moisture per day.

4. Setup

4.1 Unpacking and Placement

1. Carefully remove the dehumidifier from its packaging.
2. Place the unit upright on a firm, level surface.
3. Ensure there is at least 8 inches (20 cm) of space around all sides of the unit for proper air circulation. Avoid placing it against walls or furniture that might obstruct airflow.
4. Attach the lift-up handle by securing the knobs on both sides.

4.2 Drainage Options

The Waykar DP600B offers two methods for water drainage:

4.2.1 Manual Drainage (Water Tank)

The unit comes with a built-in 1.32 Gallon water tank. When the tank is full, the dehumidifier will automatically shut off and an indicator light will illuminate. To empty:

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

4.2.2 Continuous Drainage (Drain Hose)

For continuous operation without emptying the tank, use the included 6.56 ft drain hose.

1. Locate the drain outlet on the side of the unit.
2. Connect one end of the provided drain hose to the drain outlet. Ensure a secure connection to prevent leaks.
3. Direct the other end of the hose to a suitable drain location, such as a floor drain, sink, or large bucket. Ensure the hose is sloped downwards to allow for gravity drainage.

Figure 4: Illustration of the two drainage methods: manual water tank and continuous drain hose.

Video 1: Demonstrates the continuous drain hose setup for the Waykar 155 Pints Commercial Dehumidifier.

Video 2: Shows the water tank operation for the Waykar 155 Pints Commercial Dehumidifier.

5. Operating Instructions

5.1 Control Panel Overview

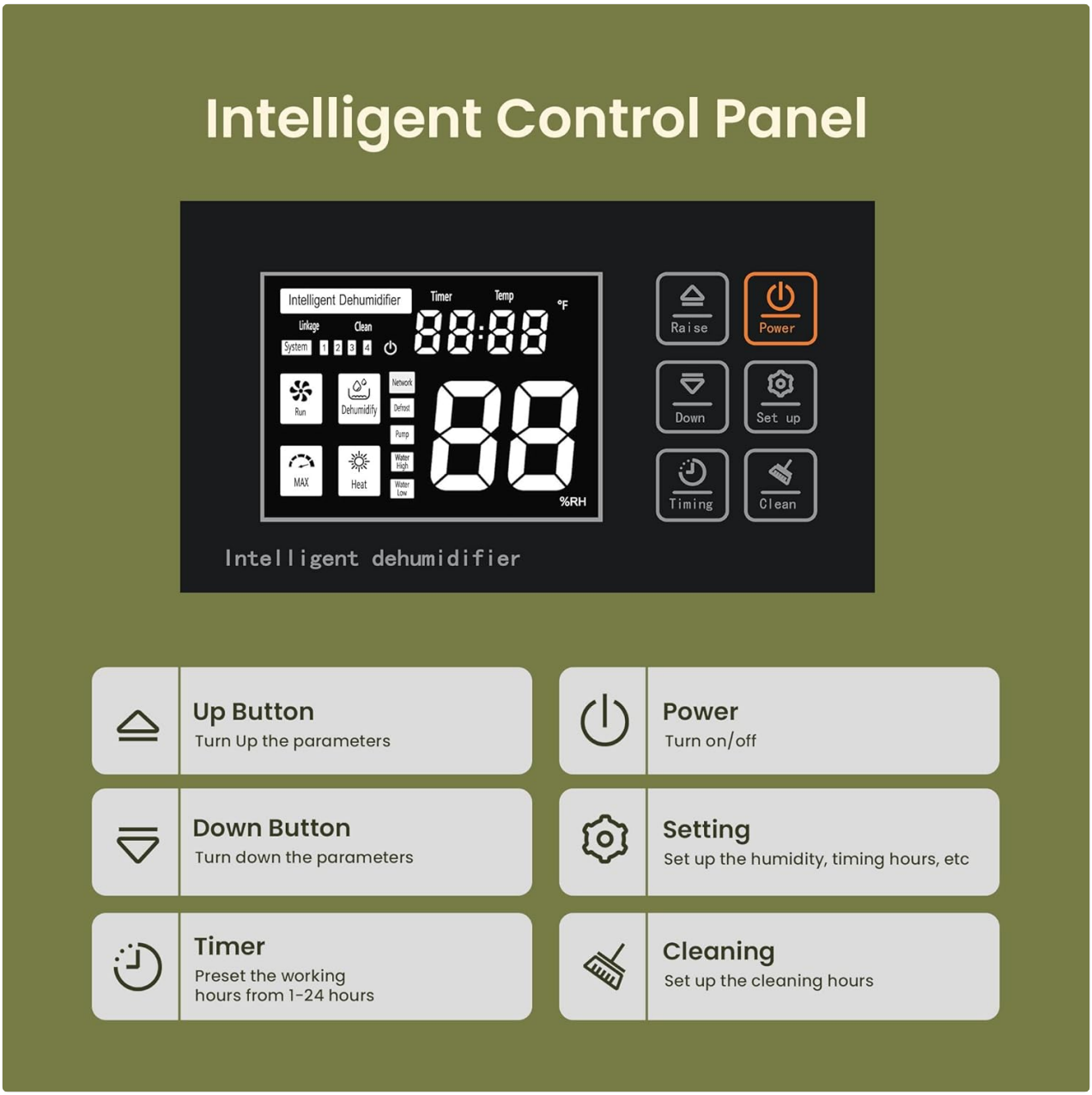

Figure 5: Detailed view of the intelligent control panel and its functions.

- **Power Button:** Turns the unit on or off.
- **Raise/Down Buttons:** Adjust humidity levels and timer settings.
- **Set Up Button:** Confirms settings or enters setup mode.
- **Timing Button:** Activates and sets the 24-hour timer.
- **Clean Button:** Initiates the defrost cycle or filter cleaning reminder reset.
- **Purge Button:** Manually activates the pump for continuous drainage (if applicable).

5.2 Basic Operation

1. **Power On/Off:** Press the **Power** button to turn the dehumidifier on or off.
2. **Setting Desired Humidity:** When the unit is on, use the **Raise** or **Down** buttons to set your desired humidity level (from 10%RH to 90%RH). The unit will automatically operate to maintain this level.
3. **Continuous Dehumidifying Mode:** To run the unit continuously regardless of humidity, set the humidity level to 10%RH.
4. **Using the Timer:** Press the **Timing** button to activate the timer. Use the **Raise** or **Down** buttons to set the desired operating hours (1-24 hours). The unit will turn off or on after the set time.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier.

6.1 Cleaning the Air Filter

The air filter should be cleaned regularly, at least once a month, or more frequently depending on air quality.

1. Turn off and unplug the dehumidifier.
2. Open the front panel to access the filter.
3. Remove the filter by gently pulling it out.
4. Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting.
5. Once the filter is clean and dry, place it back into the unit and close the front panel.
6. Press the **Clean** button on the control panel to reset the filter cleaning reminder.

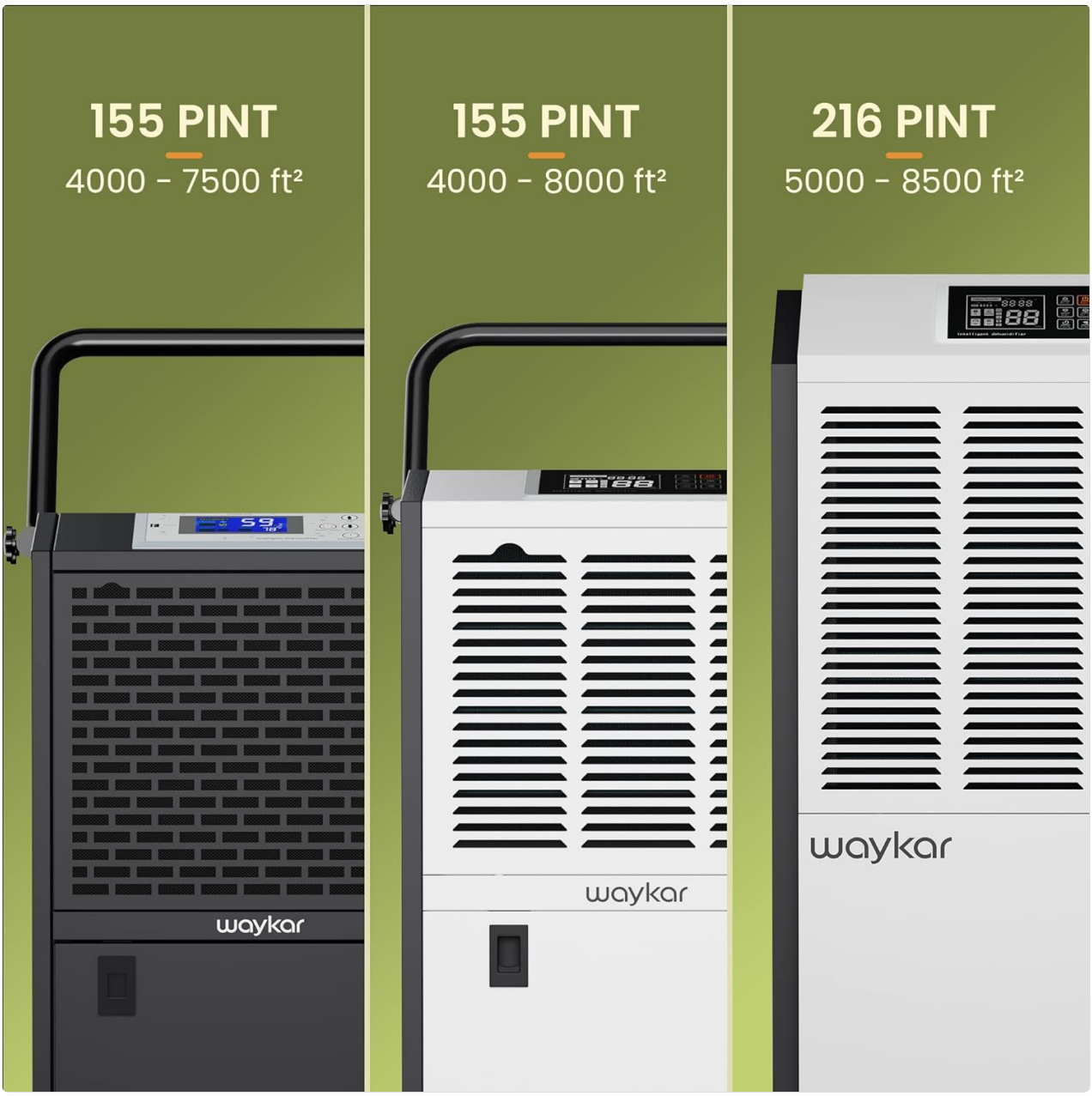

Figure 6: The detachable and washable filter, emphasizing the importance of regular cleaning.

6.2 Cleaning the Water Tank

If you are using the manual drainage option, clean the water tank periodically to prevent mold and mildew growth.

- Remove the water tank as described in the Setup section.
- Wash the tank with warm water and a mild detergent. Rinse thoroughly.
- Allow the tank to air dry completely before placing it back into the unit.

6.3 General Cleaning

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

7. Troubleshooting

If you encounter issues with your dehumidifier, refer to the following common problems and solutions. For more complex issues, please contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord unplugged, water tank full or not properly inserted.	Check power connection, ensure tank is empty and correctly seated.
No water collected.	Humidity setting too high, room temperature too low, air filter clogged, unit too small for space.	Lower humidity setting, ensure room temp is above 41°F (5°C), clean filter, consider unit capacity for the area.
Unit is noisy.	Unit not on a level surface, air filter clogged.	Place on a level surface, clean air filter.
Frost on coils.	Room temperature too low.	Auto defrost should activate. If not, turn off unit and allow frost to melt.

For a comprehensive troubleshooting guide and error code explanations, please refer to the full User Manual PDF.

8. Specifications

Specification	Value
Brand	Waykar
Model Name	Commercial Dehumidifier (DP600B)
Capacity	155 Pints/Day (95°F, 90%RH)
Coverage Area	Up to 8000 Square Feet
Water Tank Volume	1.32 Gallons
Product Dimensions	13.38"D x 13.38"W x 24.6"H
Item Weight	59.5 Pounds
Wattage	500 watts
Air Flow Capacity	164 Cubic Feet Per Minute
Material	Metal
Special Features	Continuous Draining, Automatic Restart, Automatic Defrost, Automatic Moisture Removal, Automatic Shutoff

9. Warranty and Support

Waykar stands behind the quality of its products. This Waykar 155 Pints Commercial Dehumidifier is covered by:

- **30-Days Money Back Guarantee:** If you are not satisfied with the product.
- **1-Year Warranty:** Standard warranty coverage.
- **2nd Year Warranty Extension:** Available upon registration.
- **Lifetime Expert Tech Support:** Dedicated support for the lifetime of the product.

For any questions, concerns, or technical assistance, please do not hesitate to contact Waykar customer support. We are committed to providing prompt and helpful solutions.
You can find contact information on the Waykar website or through your purchase platform.

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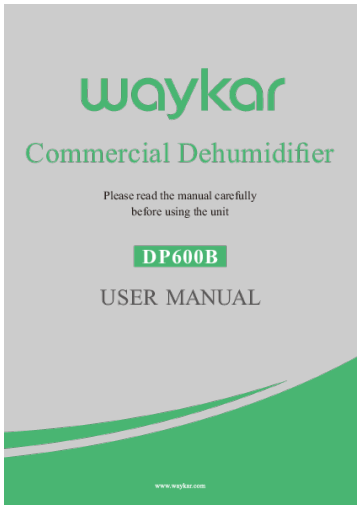

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Commercial Dehumidifier Please read the manual carefully before using the unit **DP600B** USER MANUAL FOR CUSTOMERS Thank you for purchasing our dehumidifier. Waykar wishes that our products and services can bring convenience to your work and life.We highly recommend that you keep the manual for refer...

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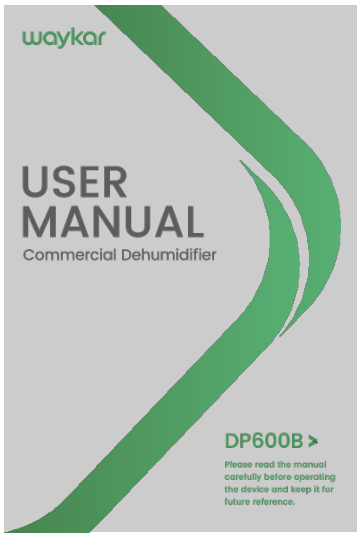

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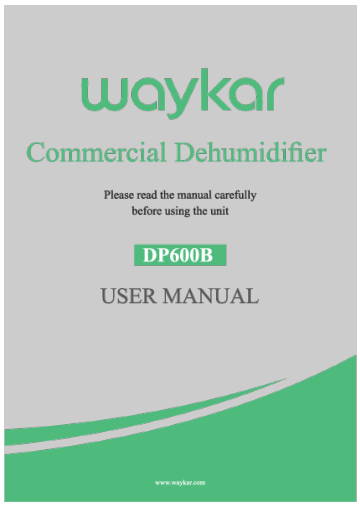

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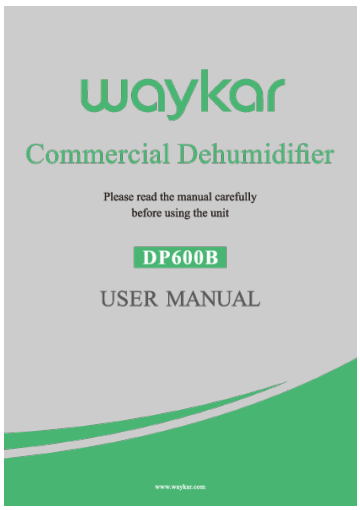

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