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Wpsoert CA-TZ02

WPSOERT CA-TZ02 21 Pints Dehumidifier User Manual

Model: CA-TZ02

1. Introduction

This manual provides essential information for the safe and effective operation of your WPSOERT CA-TZ02 21 Pints Dehumidifier. This appliance is designed to remove excess moisture from the air in your home, basement, bedroom, or office, improving air quality and comfort. Please read all instructions carefully before use and retain this manual for future reference.



Image 1.1: Front view of the WPSOERT CA-TZ02 Dehumidifier, showcasing its compact design and water level indicator.

2. Safety Instructions

To prevent injury to the user or others and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- Always operate the unit on a level surface to prevent water spillage.
- Do not operate the unit with a damaged power cord or plug.
- Ensure the power outlet matches the voltage requirements of the unit.
- Keep the unit at least 20 cm (8 inches) away from walls or other objects to ensure proper airflow.
- Do not insert fingers or foreign objects into the air inlet or outlet.
- Unplug the unit before cleaning or performing any maintenance.
- 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.

- Do not use the unit in areas where flammable gases or liquids are stored.

3. Product Overview and Components

Familiarize yourself with the main parts of your dehumidifier for proper operation and maintenance.

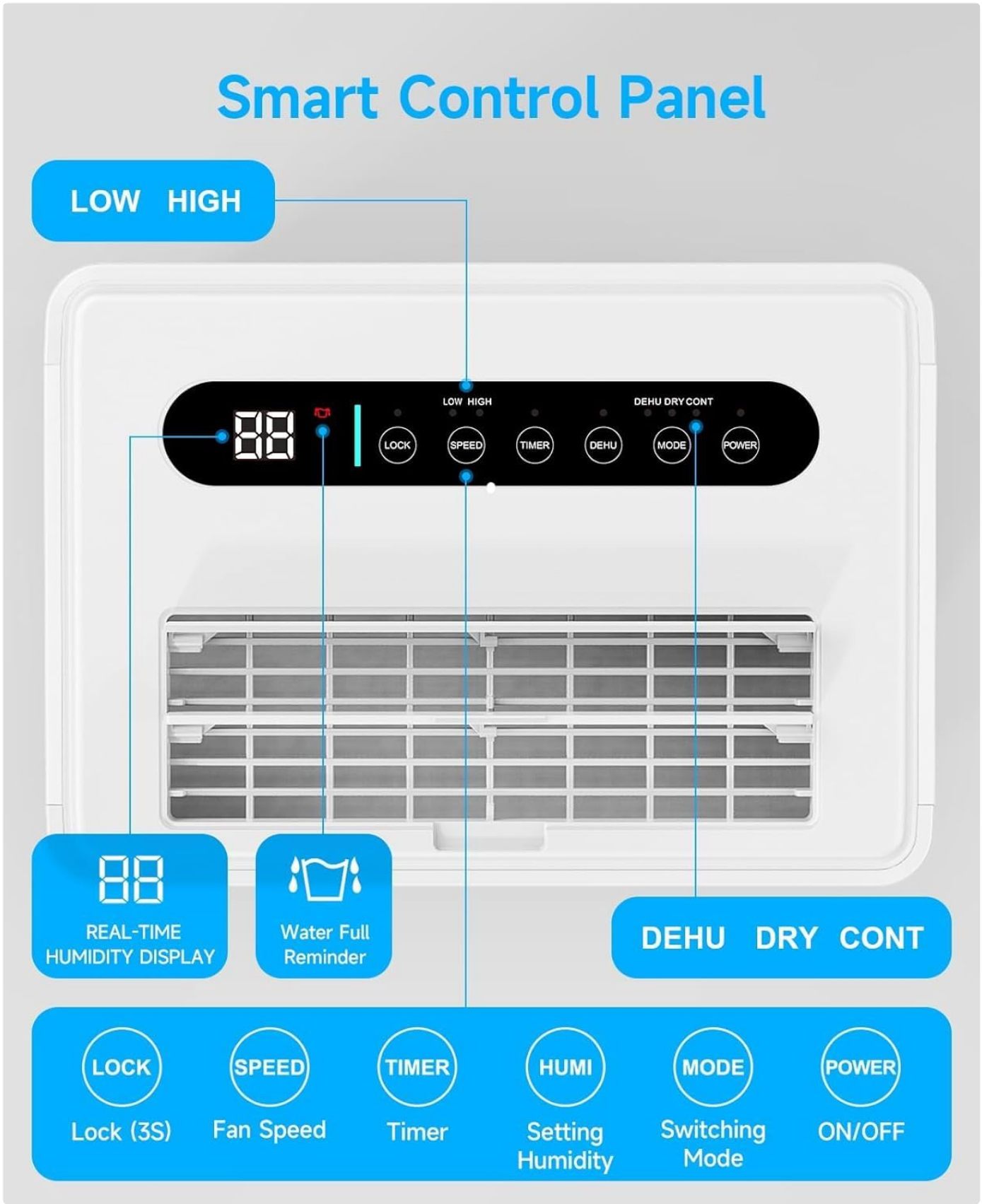


Image 3.1: Top view of the control panel, showing buttons for Lock, Speed, Timer, Humidity Setting, Mode, and Power, along with the digital display and water full reminder light.



Image 3.2: Illustration of the dehumidifier's portable design, highlighting 360° universal wheels, portable handle, and removable filter.

Key Components:

- **Control Panel:** Digital display for real-time humidity, mode indicators, and function buttons.
- **Air Outlet:** Located on top, with 90° adjustable sweep for even dehumidification.
- **Air Inlet:** Located at the rear, where air is drawn in.
- **Water Tank:** Removable 0.41-gallon (approx. 1.55-liter) tank for collected water.
- **Drainage Port:** For continuous drainage using the included hose.

- **Washable Filter:** Located at the rear, for air purification.
- **Universal Wheels:** 360° rotatable for easy movement.
- **Portable Handles:** Integrated on both sides for convenient carrying.

4. Setup

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Retain packaging materials for future storage or transport.
2. **Placement:** Place the unit on a firm, level surface in the desired location. Ensure there is at least 20 cm (8 inches) of clear space around the air inlet and outlet for optimal performance. Avoid placing it near heat sources or in direct sunlight.
3. **Power Connection:** Plug the power cord into a grounded electrical outlet. The unit will enter standby mode.
4. **Initial Operation:** For first-time use, it is recommended to run the unit for a few hours to allow it to stabilize and begin effective dehumidification.



Image 4.1: Overhead view illustrating optimal placement of the dehumidifier within a home layout to cover up to 1500 sq.ft.

5. Operating Instructions

Your WPSOERT dehumidifier offers multiple modes and settings for customized humidity control.

5.1 Power On/Off

- Press the **POWER** button to turn the unit on or off.

5.2 Mode Selection

Press the **MODE** button to cycle through the available operating modes:

- **DEHU Mode (Dehumidify):** Allows you to set a target humidity level between 30% and 80% RH in 5% increments. The unit will automatically turn on and off to maintain the set humidity.
- **DRY Mode (Clothes Drying):** Designed for quickly drying clothes and preventing odors. Operates continuously at high fan speed.
- **CONT Mode (Continuous):** For continuous dehumidification in high-humidity environments. Requires connection to a drain hose for uninterrupted operation.



Image 5.1: Visual representation of the three dehumidification modes: DEHU for comfort, DRY for clothes, and CONT for continuous operation.

5.3 Humidity Setting (DEHU Mode Only)

- In DEHU mode, press the **HUMI** button to adjust the desired humidity level. Each press increases or decreases the target humidity by 5%.
- The digital display shows the current ambient humidity in real-time. The humidity indicator light changes color based on humidity levels:

- **Blue:** Humidity < 50%
- **Green:** 50% ≤ Humidity < 70%
- **Red:** Humidity ≥ 70%



Image 5.2: Detailed view of the humidity indicator light, child lock, 24-hour timer, and 90-degree air sweep features.

5.4 Fan Speed Adjustment

- Press the **SPEED** button to switch between Low and High fan speeds.

5.5 Timer Function

- Press the **TIMER** button to set a 24-hour timer for automatic on or off.
- Press repeatedly to adjust the desired time in 1-hour increments. The timer will activate after a few seconds of inactivity.

5.6 Child Lock

- Press and hold the **LOCK (3S)** button for 3 seconds to activate or deactivate the child lock. This prevents accidental changes to settings.

5.7 Auto Defrost

- The unit features an automatic defrost system. If frost builds up on the evaporator coils, the unit will temporarily stop dehumidifying and run the fan to melt the frost. Dehumidification will resume automatically once defrosting is complete.



Image 5.3: Illustration demonstrating the automatic defrost function, showing frost on internal components being cleared.

6. Drainage Options

Your dehumidifier offers two methods for water removal: manual emptying of the water tank or continuous drainage via a hose.

6.1 Water Tank Drainage (Manual)

- When the water tank is full, the unit will automatically shut off, and the "Water Full" indicator light will flash.
- Carefully pull out the water tank from the front of the unit.
- Empty the collected water.
- Slide the empty water tank back into the unit until it clicks into place. The unit will resume operation.

6.2 Continuous Drainage (Hose)

For extended operation without needing to empty the water tank, use the continuous drainage option.

1. Locate the drainage port at the back of the unit.
2. Connect the included 104cm (3.4 ft) drain hose to the drainage port. Ensure a secure connection to prevent leaks.
3. Direct the other end of the hose to a suitable drain (e.g., floor drain, large bucket). Ensure the hose is sloped downwards to allow gravity to drain the water. Do not allow the hose to kink or be elevated above the drainage port.
4. Once connected, the unit will continuously drain water, bypassing the internal water tank.



Image 6.1: Comparison of manual water tank drainage and continuous drainage using the provided hose, shown in a bathroom setting.

7. Maintenance

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

7.1 Cleaning the Air Filter

The washable filter should be cleaned every two weeks or more frequently depending on usage and air quality.

1. Unplug the dehumidifier from the power outlet.
2. Remove the air filter from the rear of the unit.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinstalling. Do not use a dryer or direct heat.
5. Reinsert the dry filter into the unit.



Image 7.1: Visual guide to the easy maintenance features, including the portable handle, 360° rotatable wheels, and the washable filter being removed for cleaning.

7.2 Cleaning the Unit Exterior

- Wipe the exterior of the unit with a soft, damp cloth.
- Do not use harsh chemicals, abrasives, or solvents, as these can damage the surface.

7.3 Storage

- If storing the unit for an extended period, ensure the water tank is empty and clean.
- Clean the air filter.
- Wrap the power cord neatly.
- Store the unit upright in a cool, dry place, away from direct sunlight and extreme temperatures.

8. Troubleshooting

Before contacting customer support, please refer to the following troubleshooting guide for common issues.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord loose, water tank full.	Check power connection. Ensure water tank is empty and correctly inserted.
No water collected.	Ambient humidity too low, air filter clogged, temperature too low (auto defrost active).	Increase target humidity. Clean air filter. Wait for auto defrost cycle to complete. Ensure room temperature is above 5°C (41°F).

Problem	Possible Cause	Solution
Unit is noisy.	Unit not on a level surface, air filter clogged.	Place unit on a flat, stable surface. Clean air filter.
Water leaks from unit.	Water tank not properly inserted, continuous drain hose loose or kinked.	Reinsert water tank correctly. Check continuous drain hose connection and ensure it is not kinked or blocked.
Child lock is active.	Control panel buttons are unresponsive.	Press and hold the **LOCK (3S)** button for 3 seconds to deactivate.

9. Specifications

Feature	Detail
Brand	Wpsoert
Model Number	CA-TZ02
Dehumidification Capacity	21 Pints/Day
Coverage Area	Up to 1500 Sq. Ft
Water Tank Capacity	0.41 Gallons (approx. 1.55 Liters)
Power/Wattage	120 Watts
Product Dimensions	17 x 24.2 x 38 cm (6.7 x 9.5 x 15 inches)
Item Weight	7.78 kg (17.15 lbs)
Humidity Adjustment Range	30% - 80% RH
Operating Modes	DEHU, DRY, CONT
Fan Speeds	2 (Low/High)
Timer	24-Hour On/Off
Special Features	Continuous Drainage, Power Off Memory, Silent Operation, Removable Water Tank, Automatic Shutdown, Automatic Defrost, Automatic Dehumidification, Washable Filter, Full Water Protection, Digital Display, Child Lock, 90° Adjustable Air Outlet.

10. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your product packaging or contact WPSOERT customer service directly.

Manufacturer: Wpsoert

Model: CA-TZ02

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