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HANGSUN DL12

Hangsun 12L/Day Compressor Dehumidifier User Manual

Model: DL12

1. Introduction

Thank you for choosing the Hangsun 12L/Day Compressor Dehumidifier. This appliance is designed to efficiently remove excess moisture from your indoor environment, helping to prevent mold, mildew, and dampness. Please read this manual thoroughly before operating the unit to ensure safe and optimal performance. Keep this manual for future reference.



Figure 1.1: Front view of the Hangsun 12L/Day Dehumidifier.

2. Key Features

The Hangsun DL12 Dehumidifier is equipped with several features designed for convenience and efficiency:

- **Automatic Humidity Targeting:** The unit can automatically target and maintain a desired room humidity level.
- **Easy-to-Use LED Control Panel:** Intuitive touch controls with a clear LED display for easy operation.

- **Quiet Operation with Child Lock:** Designed for low noise levels and includes a child safety feature.
- **Large 2-Liter Water Tank:** Detachable tank for manual emptying, with an automatic shut-off when full.
- **Continuous Drainage System:** Option to connect a hose for continuous water removal, eliminating the need for frequent tank emptying.
- **Portability:** Equipped with four wheels for easy movement between rooms.



Figure 2.1: Overview of the Hangsun Dehumidifier's key features, including humidity control, timer, operating modes, fan speeds, water tank, and continuous drainage.

3. Setup

Follow these steps to set up your dehumidifier for first use:

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Retain the packaging for future storage or transport.
2. **Placement:** Place the unit on a flat, stable surface in the desired room. Ensure there is at least 20 cm (8 inches) of clear space around all sides of the unit for proper airflow. Do not block the air inlet or outlet.
3. **Power Connection:** Plug the power cord into a grounded electrical outlet. Ensure the voltage matches the specifications of the unit.

4. **Initial Operation:** For optimal performance, allow the unit to stand upright for at least 2 hours before plugging it in if it was transported on its side.



Figure 3.1: The dehumidifier effectively removes moisture from the air, suitable for areas up to 15m².

4. Operating Instructions

4.1 Control Panel Overview

The dehumidifier features an intuitive LED touch control panel. Refer to the diagram below for button functions:

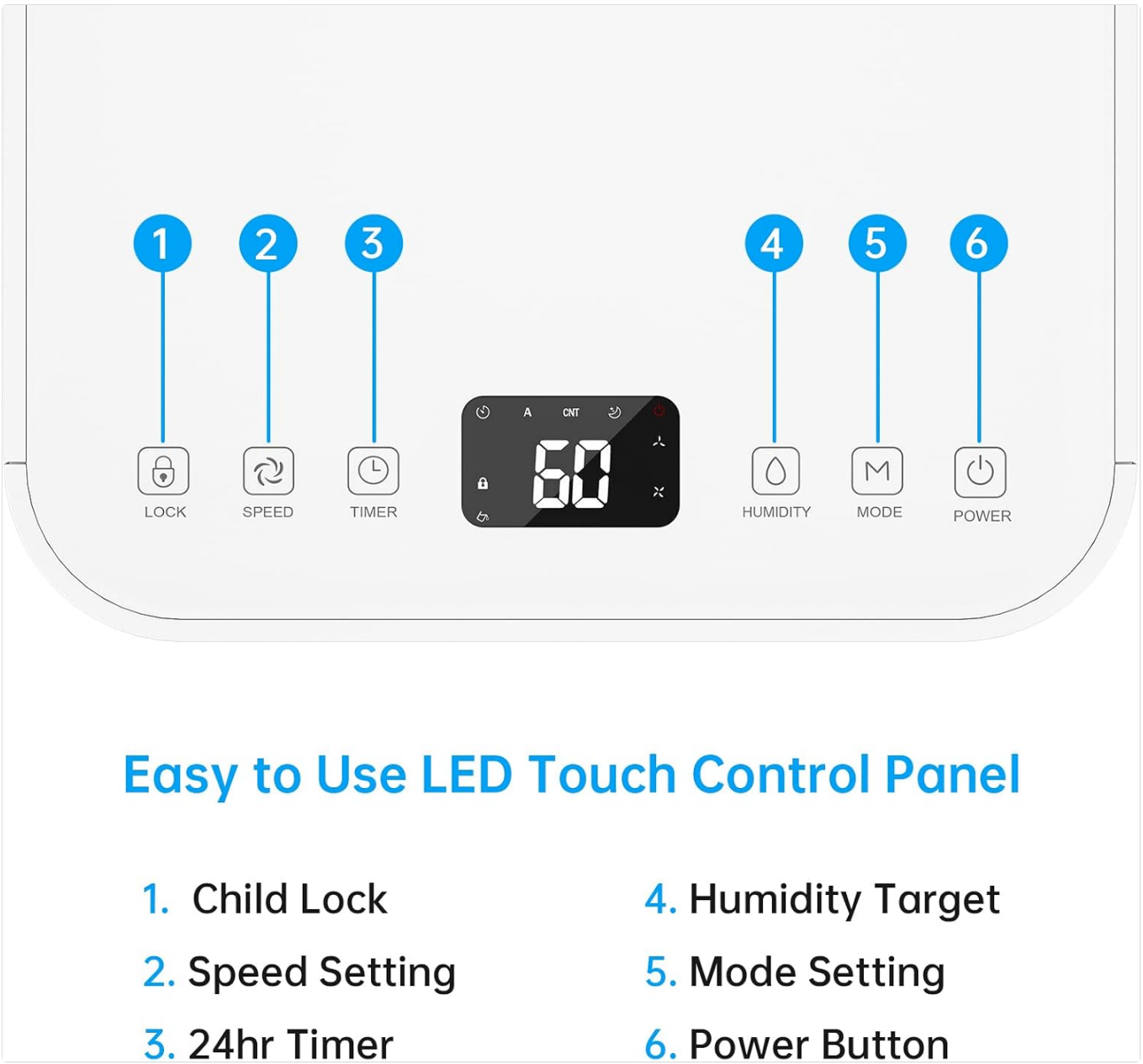

Figure 4.1: The LED touch control panel. 1. Child Lock, 2. Speed Setting, 3. 24hr Timer, 4. Humidity Target, 5. Mode Setting, 6. Power Button.

4.2 Power On/Off

- Press the **Power** button (**6**) to turn the unit on or off.

4.3 Setting Humidity Level

The dehumidifier can be set to a target humidity level between 30% and 80% Relative Humidity (RH).

- Press the **Humidity** button (**4**) repeatedly to cycle through desired humidity levels. The unit will operate until the set humidity is reached, then turn off to conserve energy.

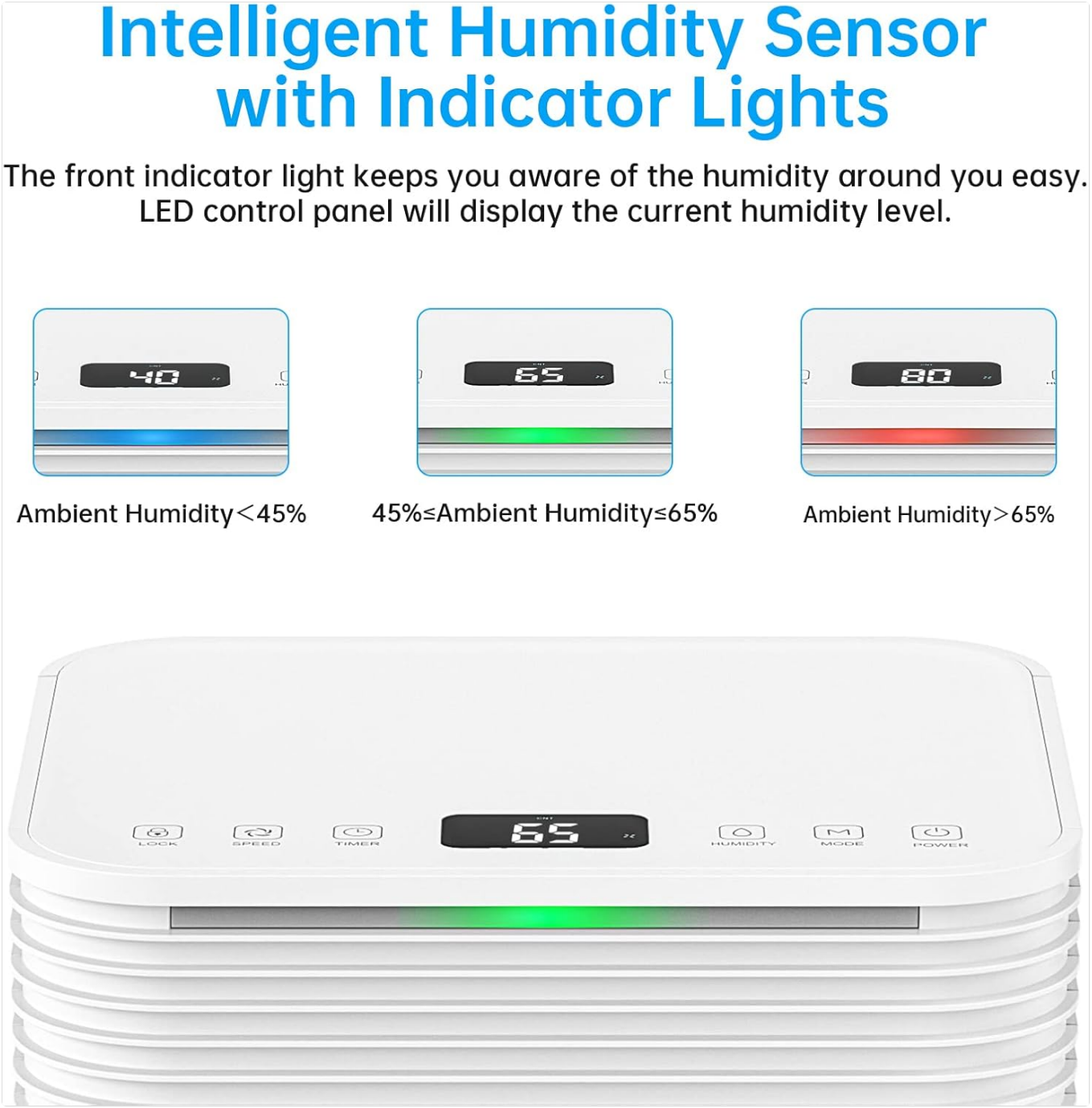

Figure 4.2: The front indicator light changes color based on ambient humidity: Blue for <45% RH, Green for 45%-65% RH, and Red for >65% RH.

4.4 Operating Modes

Press the **Mode** button (**5**) to select from the following modes:

- **AUTO Mode:** The unit automatically adjusts its operation based on the ambient humidity to maintain the set target.
- **CONTINUOUS Mode:** The unit runs continuously regardless of the humidity level, ideal for very damp conditions or drying clothes.
- **SLEEP Mode:** Reduces fan speed and dims the display for quieter operation during sleep.

4.5 Fan Speed

Press the **Speed** button (**2**) to toggle between LOW and HIGH fan speeds.

4.6 Timer Function

The 24-hour timer allows you to set a specific time for the unit to turn on or off.

- Press the **Timer** button (**3**) to set the desired operating duration (1-24 hours).

4.7 Child Lock

To prevent accidental changes to settings:

- Press and hold the **Lock** button (**1**) for a few seconds to activate or deactivate the child lock.

5. Draining Options

Your dehumidifier offers two convenient ways to remove collected water:

5.1 Detachable Water Tank

The unit comes with a 2-liter detachable water tank. When the tank is full, the dehumidifier will automatically shut down, and an indicator light will illuminate to prevent overflow.

1. Gently pull out the water tank from the back 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 resume operation.

5.2 Continuous Drainage

For continuous operation without needing to empty the tank, use the provided drain hose.

1. Locate the continuous drainage outlet at the back of the unit.
2. Connect one end of the supplied 41.35-inch (approx. 105 cm) drain hose to this outlet.
3. Route the other end of the hose to a suitable drain (e.g., floor drain, large bucket, sink). Ensure the hose is sloped downwards to allow gravity drainage and is free of kinks.

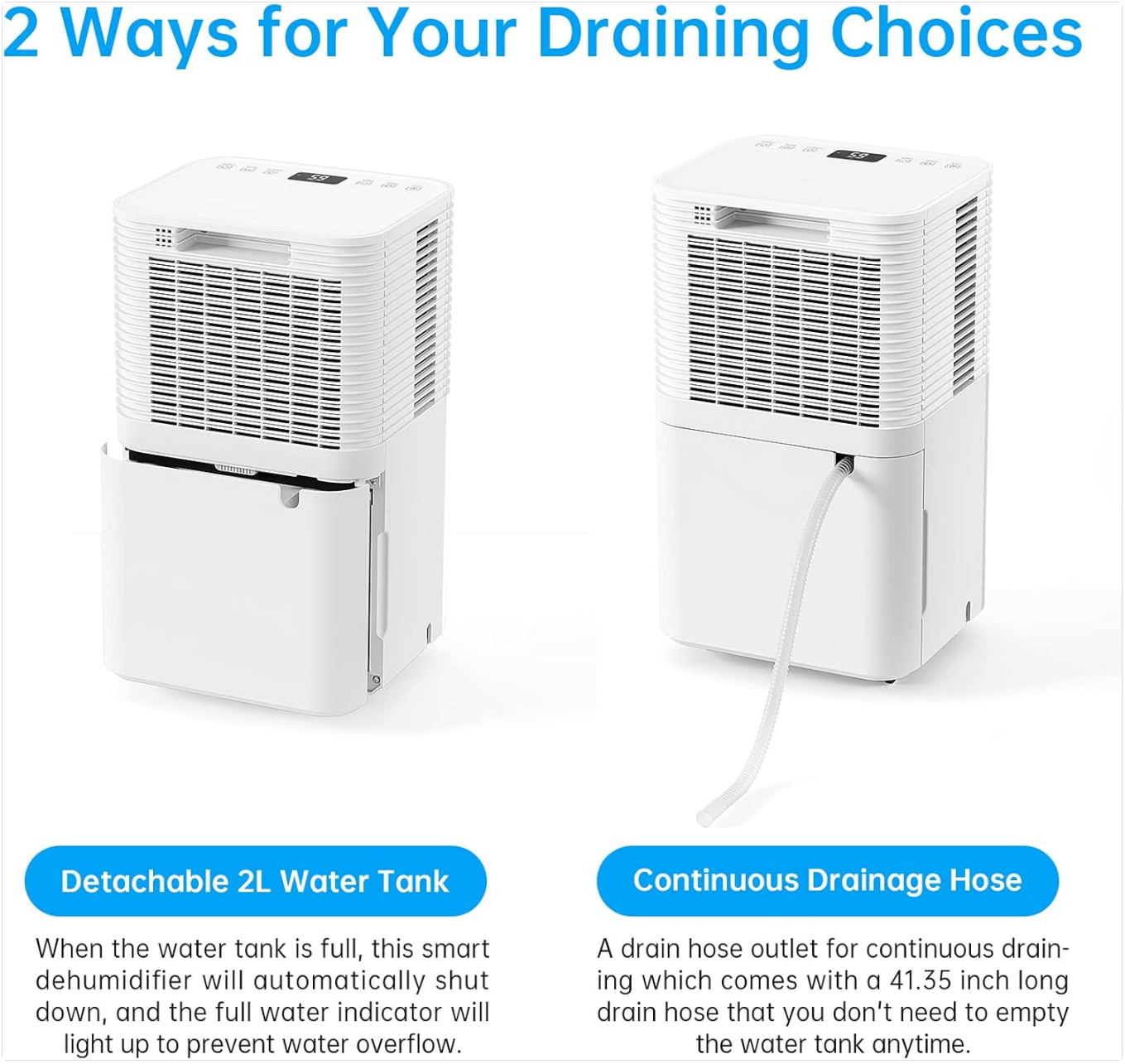

Figure 5.1: Illustration of the two draining choices: using the detachable 2L water tank or connecting a continuous drainage hose.

6. Maintenance

Regular maintenance ensures the longevity and efficiency of your dehumidifier.

6.1 Cleaning the Air Filter

A clean air filter is crucial for efficient operation. Clean the filter every two weeks or more frequently if used in a dusty environment.

1. Turn off the dehumidifier and unplug it from the power outlet.
2. Locate and remove the air filter (usually at the back or side of the unit).
3. Rinse the filter under running water (not hot) or use a vacuum cleaner to remove dust and debris.
4. Allow the filter to air dry completely before reinserting it into the unit. Do not use a dryer or direct heat.

6.2 Cleaning the Water Tank

Clean the water tank regularly to prevent mold and bacteria growth.

- Remove the water tank as described in Section 5.1.
- Wash the tank with mild detergent and warm water.
- Rinse thoroughly and dry before placing it back in the unit.

6.3 Unit Exterior Cleaning

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

6.4 Storage

If the unit will not be used for an extended period:

- Empty and clean the water tank.
- Clean the air filter.
- Unplug the unit and coil the power cord neatly.
- Store the unit in a cool, dry place, preferably in its original packaging.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Unit does not turn on	No power supply Water tank full Child lock activated	Check power cord and outlet Empty water tank Deactivate child lock (Section 4.7)
No water collected	Air filter clogged Room humidity too low Temperature too low Continuous drainage hose kinked	Clean air filter (Section 6.1) Increase target humidity or use CONTINUOUS mode Ensure room temperature is above 5°C (41°F) Straighten the hose
Unit is noisy	Air filter clogged Unit not on a level surface Fan speed set to HIGH	Clean air filter (Section 6.1) Place unit on a flat, stable surface Select LOW fan speed (Section 4.5)
Water leaks from unit	Water tank not properly inserted Continuous drainage hose not connected securely or kinked	Reinsert water tank firmly Check hose connection and ensure no kinks



Figure 7.1: The Hangsun Dehumidifier operates at approximately 38dB on low fan speed, making it quieter than typical indoor noise levels.

8. Specifications

Brand	HANGSUN
Model Number	DL12
Color	White
Capacity	12 Liters/day
Water Tank Capacity	2 Liters
Item Weight	10.5 Kilograms

Package Dimensions	53.6 x 36 x 26.4 cm
Features	Automatic defrost, Digital display, Timer, Removable tank, Detachable, LED power indicator, Continuous drainage, Sleep mode

9. Warranty and Support

Hangsun products are manufactured to high-quality standards. For specific warranty information and terms, please refer to the warranty card included with your purchase or visit the official Hangsun website. If you encounter any issues not covered in this manual or require further assistance, please contact Hangsun customer support.

Customer Support:
Please refer to your product packaging or the official Hangsun website for contact details.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

What does the "CL" display code mean on the Hangsun DL12 dehumidifier, and how do I fix it?

On the Hangsun DL12 Dehumidifier, the "CL" display code stands for Child Lock. When this mode is active, the control panel buttons (such as speed, humidity, and mode) are disabled to prevent accidental setting...
Read full answer

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