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Please read this manual before operating and save it for future reference. Every dehumidifier is covered with a **1-year free warranty** offered by Lumisys that is automatically valid from the date of purchase. To extend the warranty or express any questions or concerns, please **email us at support@lumisys.us**

Please read this manual carefully before operating and keep it for further reference!

If you have any questions, please contact us at support@lumisys.us for help.

- Separate and count all parts and hardware.
- Read through each step carefully and follow the proper order.
- If possible, assemble the unit near where it will be placed in use, to avoid unnecessary moving.
- Always place the unit on a flat, steady and stable surface.
- Keep all small parts and packaging materials away from babies and children.
- If the supply cord is damaged, it must be replaced by the manufacturer.
- The appliance shall be disconnected from its power source during maintenance.
- Always operate the unit from a power source of equal voltage, frequency and rating as indicated on the product identification plate.
- Always use a power outlet that is grounded.
- Unplug the power cord when cleaning or when not in use.
- Do not operate with wet hands.
- Prevent water from spilling onto the unit.
- Do not immerse or expose the unit to rain, moisture or any other liquid.
- Do not leave the unit running unattended.
- Do not tilt or turn over the unit.
- Do not unplug while the unit is operating.
- Do not unplug by pulling on the power cord.
- Do not use an extension cord or an adapter plug.
- Do not put objects on the unit.
- Do not climb or sit on the unit.
- Do not insert fingers or other objects into the air outlet.
- Do not touch the air inlet or the aluminum fins of the unit.
- Do not operate the unit if it is dropped, damaged or showing signs of product malfunction.
- Do not clean the appliance with any chemicals.
- Ensure the unit is far away from fire, inflammable, or explosive objects.
- The unit shall be installed in accordance with national wiring regulations.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating sources (for example: open flames, an operating gas appliance or an operating electric heater).
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Do not piece or burn, even after use.
- Pipe-work shall be protected from physical damage and shall not be installed in an unventilated space, if that space is smaller than 43 sq.ft.
- Compliance with national gas regulations shall be observed.
- Keep any required ventilation openings clear of obstruction.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry-recognized assessment specification.

The dehumidifier is used to remove excessive moisture from the air. The resulting reduction in relative humidity protects buildings and their contents from the adverse effects of excess humidity.

2.1 FEATURES



Powerful and Efficient moisture removal



Three modes: Intelligent & Continuous & Sleeping



Two drainage methods: Manual & Continuous



Humidity Monitor showing current air humidity



A 24-hour timer for automatic operation time setting



Child Lock preventing unwanted injuries



Air Filter for dust removal



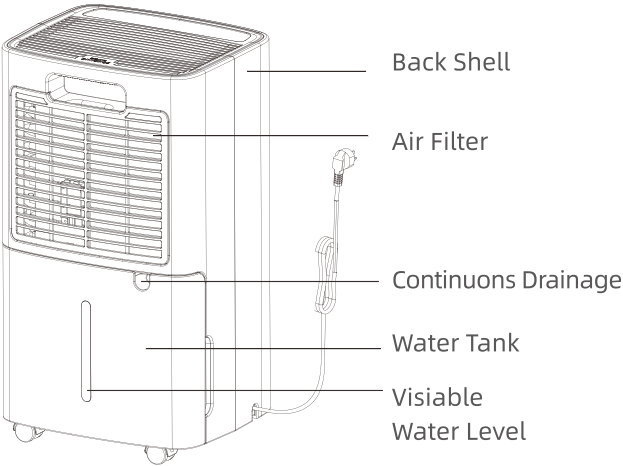
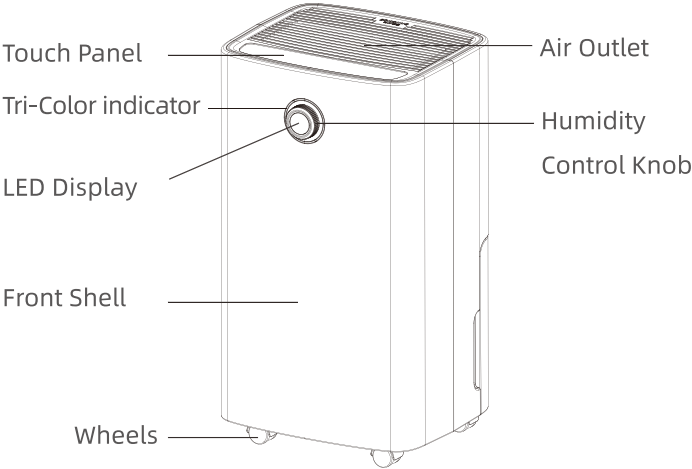
Quiet fan with two speed options

2.2 PARAMETERS

HOME DEHUMIDIFIER	
Model No.	OL12D-D023G
Dehumidification Capacity	30Pint/D(95°F/90%RH) 25Pint/D(86°F/80%RH) 9 Pint/D(65°F/60%RH)
Power Supply	115V~60Hz
Rated Input Current	2.0A
Refrigerant Charge	R134a/3.7oz
BCSC	15A
Fan Motor Power	0.028HP
Maximum Design Pressure	High-side:204psig Low-side: 88 psig
Sound Pressure Level	≤36dB(A)
Full Water Quantity	0.53 Gallon
Compressor Input	RLA:2.7A/LRA:10.0A
Working Temp	41°F~95°F

PRODUCT DESCRIPTION

2.3 PRODUCT DISPLAY

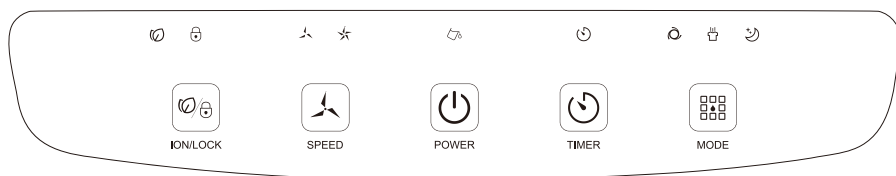


3.1 KNOB



Rotate the knob to change the set humidity between 30% and 80%. The current ambient humidity is displayed on the knob's centrally integrated LED screen. The outer ring serves as a tri-color indicator showing the ambient humidity range:

- Blue: AH < 45%
- Green: 45% ≤ AH ≤ 65%
- Red : AH > 65%



3.2 BUTTONS

POWER

Press this button to turn the unit on/ off. The operation indicator will light up when the unit is on, and the default settings for fan speed and humidity level are: high and 50%.

MODE

There are three mode options: Intelligent-Continuous-Sleeping

 **Intelligent mode:** Both target humidity level and fan speed are adjustable. The fan and compressor will start working when the environmental humidity level ≥ set humidity level + 3%, and will stop working when the environmental humidity level ≤ set humidity level - 3%.

 **Continuous mode:** The unit will run continuously regardless of the ambient humidity level, and the target humidity level can't be set according to one's own desire.

 **Sleeping mode:** All indicators will turn dark, the fan speed is low, and the target humidity level can't be set according to one's own desire. The fan and compressor will start working when the environmental humidity level ≥ 63%, and will stop working when the environmental humidity level ≤ 57%. Touch any button to wake the indicators up.

Press this button once to switch between the modes, and the corresponding mode indicator will light up.

Speed

There are two fan speed options: High-Low. Press this button to switch between the speeds, and the corresponding indicator will light up. Under continuous mode, sleeping mode, or defrosting period, the fan speed is not adjustable.

ION/LOCK

A quick press of this button will turn on/off the ION function (for dust removal).

A long press (3 seconds) of this button will turn on/off the child-lock function.

OPERATION

TIMER

The first press of this button will turn the timer on, and each further press will increase the timer by 1 hour. The timer will automatically turn off when it reaches 24 hours (shown as “00” on the LED display).
In the power-on state, the timer indicates the length of operation time.
In the standby state, the timer indicates the length of time until the reserved turning-on time.

3.3 INDICATORS

 : Ion (dust removal)	 : High Fan Speed	 : Intelligent Mode
 : Child Lock	 : Water Tank Full	 : Continuous Mode
 : Low Fan Speed	 : Timer	 : Sleeping Mode

NOTE:

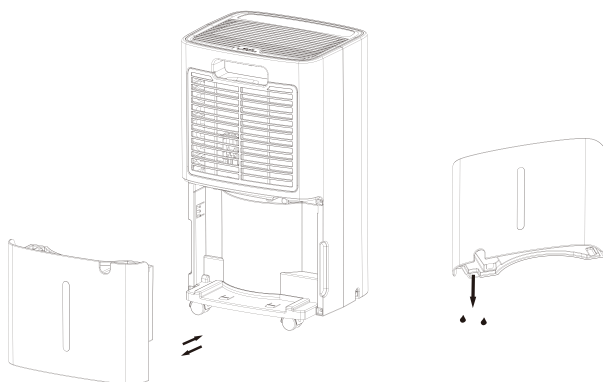
- The dehumidifier starts operating in the mode that it was last in.
- The dehumidifier starts dehumidifying if the room humidity is 3% higher than the selected humidity.
- There is a protective 3-minute time delay for the compressor. Wait 3 minutes for the dehumidifier to resume dehumidification.

1. Water Tank Full Alarm

- When the tank is full, the water tank indicator turns red and the unit beeps for 5 times.
- Press any button to stop the alarm. The compressor and fan shut down and all the functions freeze until the tank is emptied and back in the right position.

2. Empty the tank

- Grab the notch at the bottom of the tank and pull it out with both hands carefully.
- Empty the water.
- Put the water tank back in position. The dehumidifier automatically resumes working.

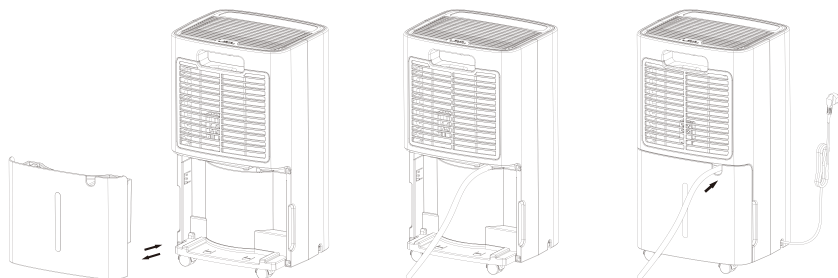


3. Manual Drainage

- Use the water tank for drainage. Empty the tank when the Water Tank Full Indicator lights up.

4. Continuous Drainage

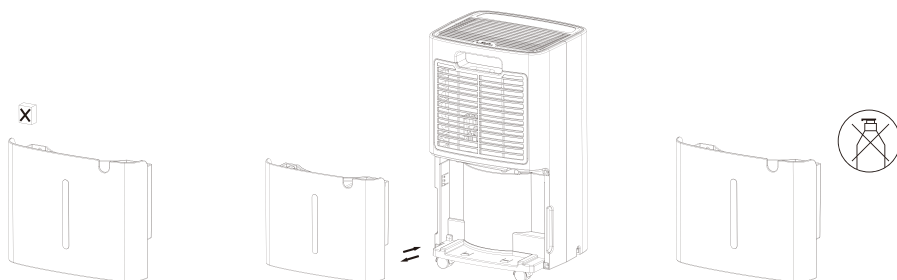
- Take out the water tank.
- Use a water hose (diameter = 0.37 inches & ideal length = 11.8 inches) to connect the water outlet.
- Pass the water hose through the cutting hole on the tank and put the tank back.



⚠ WARNING: the end of the hose should not be submerged in water to prevent it from being blocked or damaged.

5.1 PRECAUTIONS

- Do not remove the float out of the tank otherwise the dehumidifier cannot function.
- Make sure to drain the water tank thoroughly and put the water tank back in place, otherwise the dehumidifier cannot function.
- If the tank is dirty, wash it with cool/warm water. Do not use cleanser, steel balls, chemically treated dust-proof cloth, gasoline, benzene, thinners, or other chemical solvents in case of damage and leakage.



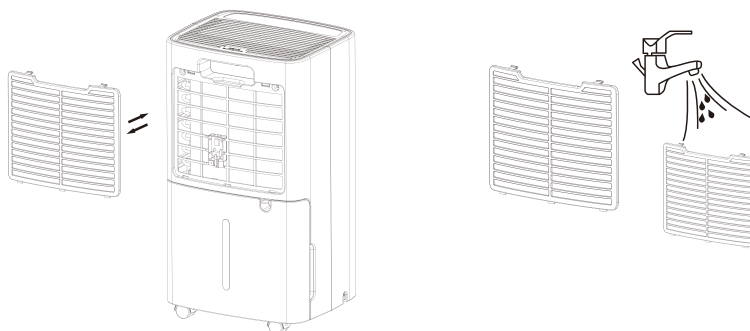
5.2 CLEANING

1. Body Cleaning

Use a soft and slightly moist cloth to clean the dehumidifier's body.

2. Filter Cleaning

- Remove the filter frame and take off the filter.
- Use a vacuum cleaner to gently absorb the dust on the surface.
- If the filter is dirty, wash it with water and a soft detergent, and dry it thoroughly afterwards.
- Put the filter back.



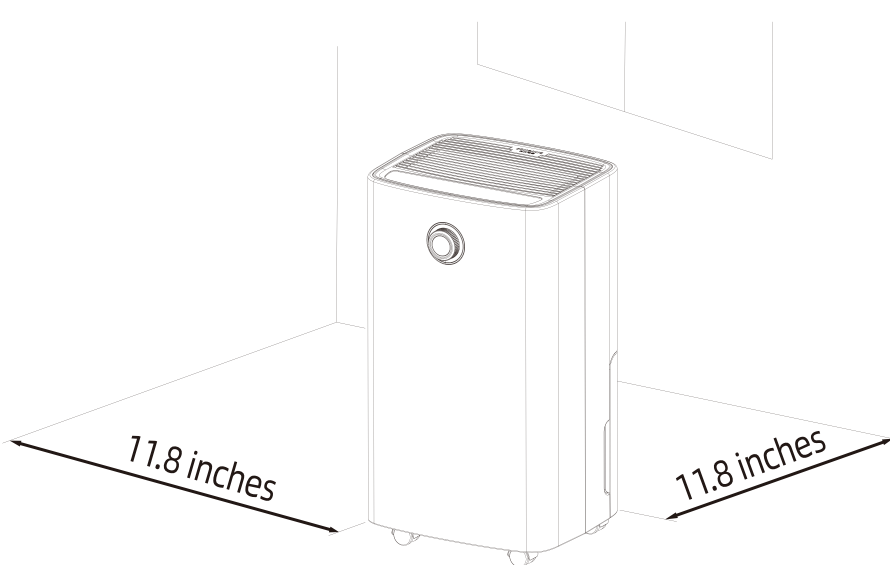
MAINTENANCE

5.3. LOCATION

1. Place the appliance on a firm and horizontal surface in an area with at least 11.8 inches of free space around it to allow for proper air circulation.

2. Never install the appliance at a place that could be subject to:

- Heat sources such as radiators, heat registers, stoves or other products that produce heat.
- Possible splashing of oil or water
- Direct sunlight
- Mechanical vibration or shock
- Excessive dust
- Lack of ventilation, such as cabinet or bookcase
- Uneven surface



1. Functioning Temp. 41°F ≤ Ambient Temp. ≤ 95°F

When the ambient temp is lower or higher than the functioning temp, the dehumidifier stops functioning. When 41°F ≤ Ambient temp. ≤ 61°F, the compressor automatically defrosts at intervals; during defrosting, the compressor stops and the fan keeps running.

2. Before Calling for Service

Before contacting the customer service, please review the following troubleshooting list that includes common problems that are not the result of a defect in workmanship or materials.

Problem	Possible Cause	Solution
Not working	No power supply	Connect the appliance to a functioning outlet and switch it on
	“Water Full” Indicator Flashes	Drain water tank and reset it, or re-position the water tank to the right spot
	Room temperature < 41°F, or > 95°F	Self-Protection designed to protect the unit. Cannot work under such temperature
Bad functioning	Is the air filter clogged?	Clean the air filter as instructed
	Is the intake duct or discharge duct obstructed?	Remove the obstruction from the discharge duct or intake duct.
No air intake	Is the filter clogged?	Wash the filter
Loud noise when operating	Is the appliance put on an uneven surface?	Put the appliance on the flat ground
	Is the filter clogged?	Wash the filter
E2	Humidity sensor problem	Change the sensor
HI	Environmental humidity is above 90%	The dehumidifier keeps operating
LO	Environmental humidity is below 20%	
CL	Low temperature protection, the environmental temperature<41°F	The dehumidifier shuts down for self-protection
CH	High temperature protection, the environmental temperature>95°F	

7.1 STORAGE

If you are not going to use the appliance for an extended period of time (more than a few weeks), it is best to clean and dry it completely before preserving the appliance in a ventilating, dry, corrosive gas-free, and safe indoor space. The appliance must be kept in an upright position when in storage.

Note: In order to avoid the damage of parts and mold, the carburetor in the device must be dried. Take it out and leave it in a ventilated place for a few days to dry. Another method is to adjust the moisture level to 5% higher than the ambient moisture level, so that a fan can blow to dry the evaporator for several hours.

7.2 DISPOSAL

Do not dispose of electrical appliances as unsorted municipal waste. Instead, use designated collection facilities. Contact your local government for information regarding the available disposal collection system.

