LUMISYS

Introduction Manual



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Intertek
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№
OL20D
D025B
Intelligent Control

LUMISYS's STORY

Lumisys is an American luxury home appliance and specialty retailer headquartered in New York City. In 2021, Lumisys introduced the industry-leading dehumidifier as we know it today. We're proud to build on our legacy as the leader in dehumidifier traceability with responsibly sourced, expertly crafted dehumidifiers that celebrate technology in all its forms.

Our Origin

The outbreak of COVID-19 in early 2020 confined us to our own houses, enveloping us in an air of suffocating monotony. Back then, Charlie was a student at the University of Michigan—Ann Arbor studying remotely at home due to the pandemic. During this period of solitude, Charlie grew determined that everyone deserves a yogic lifestyle, even under the bleak reality. To convey his message, Charlie chose air treatment products in households as the medium, blending in a touch of soothing aqua into the appliances' designs. Meanwhile, Charlie drew inspiration from luxury clothing; therefore, elegance and nobility had become his antithesis to home appliances' predominating monochromatic color schemes. With the brand concept "immerse in the serenity of the violet moonlight," . Charlie hopes to invigorate everyone not to be bothered by the bleak moments, and instead to embrace the glorious world.

Our Style

Guided by his unique perspective, Charlie challenges home appliances' predominating monochromatic color schemes, adopting aqua and various color tones in his product design instead. With his products, Charlie hopes to "immerse in the serenity of the violet moonlight," invigorating every individual to embrace the glorious world. Charlie's Lumisys is unique for achieving a balance between appearing gorgeous and being practical. Lumisys represents liberation: the brand transforms a field that was previously monochromatic into a stage for diversified aesthetics, bringing about freedom of choice for our generation. Essentially, youths' pursuit of beauty and elegance is central to Lumisys's philosophy.

Our Logo

Elk are central to Lumisys's product designs: they epitomize wisdom and symbolize the perpetual pursuit of freedom, romance, bravery, and uniqueness. Charlie envisions the scene of elk chasing the violet moonlight, which is delicately pure and elegantly modest. Both the design elements of elk and moonlight align with Lumisys's ideal—to lead a free, gentle, and holy life.

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Please read this manual before operating and save it for future reference. You are covered with 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 Lumisys at **support@lumisys.us**

CAUTIONS

- Please read all instructions carefully.
- Retain instructions for future reference.
- Separate and count all parts and hardware.
- Read through each step carefully and follow the proper order.
- Always place the product on a flat, steady and stable surface.
- We recommend that, where possible, all items are assembled near to the area in which they will be placed in use, to avoid moving the product unnecessarily once assembled.
- Keep all small parts and packaging materials for this product away from babies and children as they potentially pose a serious choking hazard.

⚠ Please keep this manual carefully for further reference!

Thank you for selecting our dehumidifier. Be sure to read this manual carefully before using it. Any questions, please contact our customer for help.

1. BEFORE YOU BEGIN

Please read the operating instructions carefully before using your dehumidifier for the first time.

1.1 PRODUCT DESCRIPTION

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. FOR YOUR SAFETY

Your safety is the most important thing we concerned!

Please read this manual carefully and fully understand before operating your dehumidifier.

2.1 OPERATIONAL PRECAUTIONS

⚠ WARNING- To reduce the risk of fire, electric shock or injury to persons or property:

·If the supply cord is damaged, it must be replaced by the manufacturer, in order to avoid a hazard.

·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.

CAUTIONS

·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 operation 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.
·Be aware that refrigerants may not contain an odour.
·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.

PARAMETERS

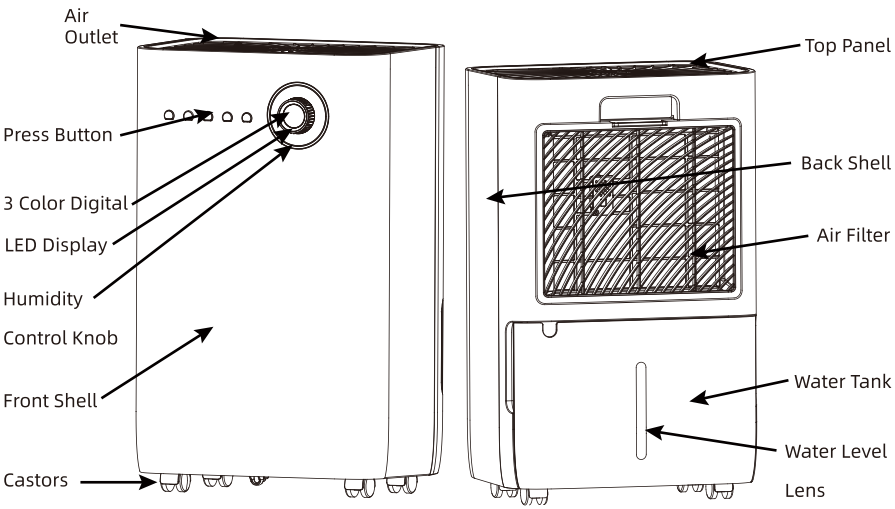
HOME DEHUMIDIFIER

Model No	OL20D-D025B
Dehumidification Capacity	50Pint/D(95°F/90%RH)
	45Pint/D(86°F/80%RH)
	15 Pint/D(65°F/60%RH)
Power Supply	115V~60Hz
Rated Input Current	2.7A
Refrigerant Charge	R134a/4.94oz
BCSC	15A
Fan Motor Power	0.048HP
Maximum Design Pressure	High-side:204psig
	Low-side: 88psig
Sound Pressure Level	≤36dB(A)
Compressor Input	RLA2.2A/LRA:13A
Working Temp	41°F-95°F

FEATURES

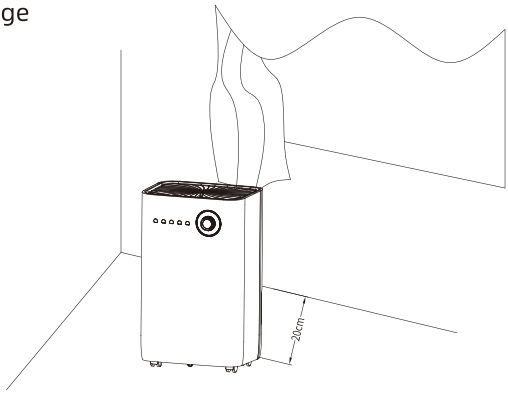
- Powerful moisture removal (up to 50Pints/day dehumidification)
- Humidity Monitor shows current air humidity
- Auto mode automatically adjusts humidity levels
- A 24-hour timer to set the time of operation
- Effectively removes moisture, dust from the air
- Low power consumption-energy efficient
- Quiet fan has two speed settings
- Auto-Defrost at low temperature
- Auto shut-off/ auto restart
- Electronic control Laundry drying function
- Continuous drainage or 128oz.water tank

PRODUCT DESCRIPTION



PRODUCT DESCRIPTION

Installation & Storage



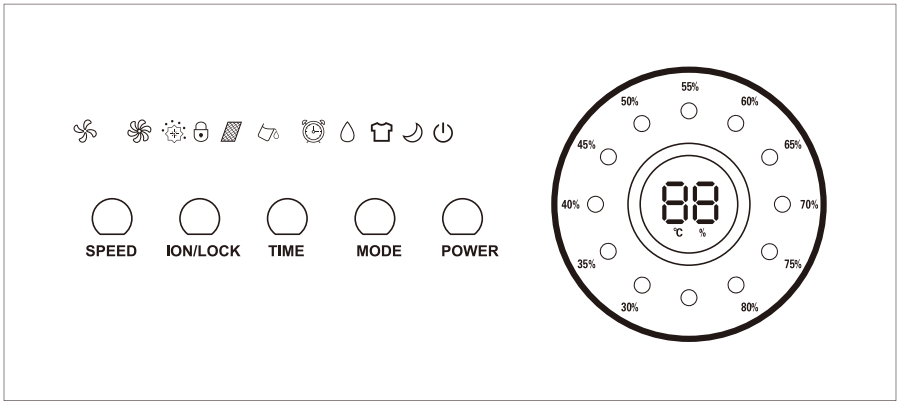
Please place the dehumidifier on a solid and plain surface, and in a well-ventilated space.
Please keep the dehumidifier at least 8 inches from walls or any other object.

Storage

Please read the following instructions carefully when not using the dehumidifier for long time periods.
1、Turn off the dehumidifier and empty the water tank;
2、Unplug the dehumidifier and wrap the cord;
3、Take off and carefully clean the air filter; do not install the air filter until it is fully dried;
4、Clean the surface of the dehumidifier, and cover it with a plastic bag;
5、Store the dehumidifier in a dry, well-ventilated place with proper temperature

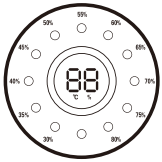
OPERATION

Control Pane



OPERATION

Indicator Status

	**On/Off:** The indicator will appear green when the machine is connected to power, off when it is not. Defrost Indicator：When the machine is defrosting, this indicator will blink.
	**Timer：** This indicator will stay lit when the timer is actively running.
	**Double-Eight Number Indicator:** 1.Display Ambient temperature/Humidity 2.Display remaining time in the timer 3.Display Error Code
	Low-Speed Fan Indicator (Left); High-Speed Fan Indicator(Right)
	**Cloth-Drying Mode：** When this mode is on, the indicator will stay lit. Under this mode, the compressor stays on and will not be affected by ambient humidity. The fan will stay on high-speed mode and cannot be altered.
	**Auto Mode:** This indicator lights up when this dehumidifying mode is turned on
	**Sleep Mode:** This indicator stays lit when this mode is activated.
	ION indicator,when ION function on,it will light
	**Child Lock:** This indicator stays lit when the child lock function is activated
	**Humidity Level Indicator(the percentages in the outer circle):** When you rotate the knob, the indicator light corresponding to the number will lit up.
	Ambient Humidity (AH) Tri-Color Indicator (the circle surrounding the double-eight): 1.AH < 45%: Blue 2.45% <= AH <= 65%: Green 3.AH > 65%: Red When the number indicates E0/E2/E4/CL/CH LO/HI, color red will appear

OPERATION

Buttons

Power

When this button is pressed, the machine will start operating with a starting humidity level of 50% under auto mode and high fan speed. The double-eight number indicator will display the ambient humidity. If the operation criteria for the compressor is met, it will begin functioning three seconds after the initiation of the fan's operation.

When this button is pressed again, the machine will turn off with all indicators dimming, and the fan stops functioning after a 30-second delay.

Mode Selection

Pressing this button can toggle between cloth-drying mode, auto mode or sleep mode, indicated by the double-eight number indicator. Holding this button for 3 seconds will display the ambient temperature on the screen.

Timer

Pressing this button can set up a timer (0-12 hours). The timer will increment one hour every time you press the button, and the number will be shown by the double-eight number indicator. When the number is set to "00", the timer function is off and the indicator will extinguish.

Pressing this button can set up an auto-turn on/off time. The white indicator will be continuously on during the timing period.

Child Lock/ION

Pressing this button for three seconds to turn on/off the child lock function.

When the machine in stand by,press one time to turn on the ION function.And press one time to turn off the function.

Fan Speed

Pressing this button can toggle the fan speed between high and low. The low-speed fan or high-speed fan indicator will be lit up to indicate which mode is on.

Humidity Level

Pressing this button can toggle the target humidity level between 30% and 80%. You can only change the humidity level under auto mode. Rotating the knob left or right will decrease or increase the target humidity level by 5% respectively, shown by the corresponding indicator lighting up.

MAINTENANCE

Drainage

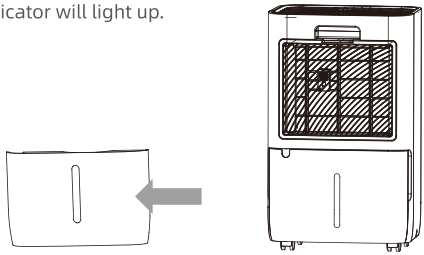
Water Tank Drainage

I. Tank-Full-Alarm

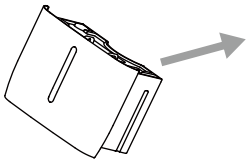
When the water tank is full, the Water Full Indicator will light up.

II. Emptying the Water Tank

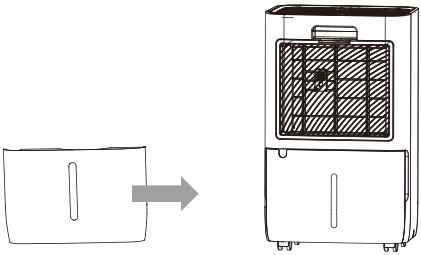
1、Put both hands on each side of the water tank, apply gentle force to pull it out of the body.



2、Tilt the water tank slowly and steadily, drain the water out of the tank completely.

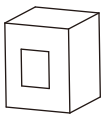


3、Place the water tank back to the original place.



⚠ WARNING!

1、DO NOT remove the magnet and plastic nail from the water tank, or else the machine will not turn on, or will not properly turn off when the tank is full, leaking condensate to cause floor damage.





2、Make sure to drain the water tank thoroughly and put the water tank back in place before resetting the device's functioning mode.

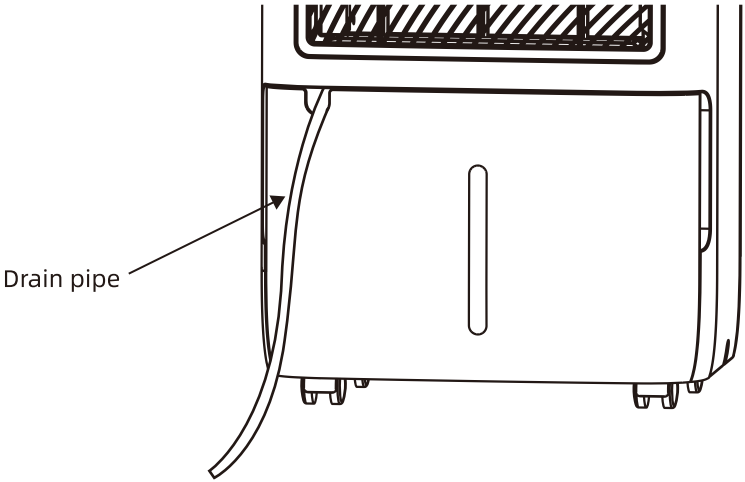
3、If the water tank is dirty, simply clean it by rinsing. Avoid using detergent sprays, steel balls, and any chemicals that can damage the water tank.

4、Make sure to return the water tank to the right position, or else the Water Full indicator may appear red at all times, causing the machine unable to turn on.

MAINTENANCE

Continuous Drainage

1. Take out the 11.0mm PVC drain hose (ideal length: 300mm) and straighten it;
2. Plug one end of the drain hose into the water tank's water outlet, and connect the other end to any container or drainage area.



Note: The PVC drain hose needs to be purchased separately if not included in the machine's package.

⚠ WARNING:

1. Please do not block the drain or drain hose, otherwise the condensate will flow into the water tank.
2. Please do not bend the drain hose. The height of the drain hose should be lower than the outlet.
3. The drain hose shall be securely connected to the outlet;

Cleaning & Maintenance

Note: before implementing cleaning and maintenance on the appliance, make sure to turn off and unplug the appliance to prevent electric shock.

Cleaning:

Use a soft and slightly moist cloth to clean the appliance's body. Don't use chemical solvents like benzene, alcohol or gasoline as they will cause machine damage.

MAINTENANCE

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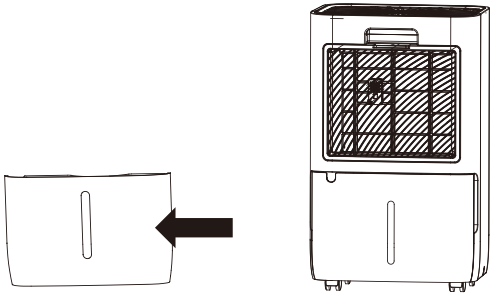
Filter Cleaning Instruction:

This machine comes with a washable filter. It is strongly advised to rinse the filter every two weeks. Any dust blocking the filter will potentially affect the machine's functionality.

Cleaning the Air Filter

Ⅰ. Taking out the Filter

1.Remove the filter frame and take off the filter.

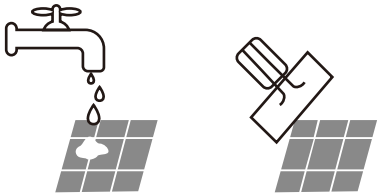


Ⅱ. Filter Cleaning

Soak the filter in 104°F warm water.

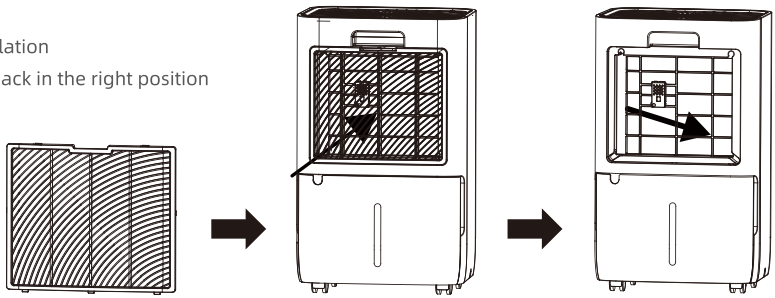
Rinse it gently with a neutral detergent.

Use the vacuum cleaner's brush to gently remove dust from the screen.



Ⅲ.Filter Installation

Put the filter back in the right position



TROUBLE SHOOTING

The following list includes any problems you may encounter from daily usage.
Note: These problems are not caused by material or manufacturing defects.

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 it to the right spot
	Room temperature<41℉, or>100℉	Self-Protection designed to protect the appliance. Cannot work under such temperature
	Timer is on	Turn off the Timer function
	Display error code "E2"	The humidity and temperature sensors are damaged and require replacement.
Humidity Level not Dropping or frequently turning on/off	Is the air filter clogged?	Clean the air filter as instructed
	Are windows/doors open?	Close windows/doors
	Is the machine close to any heat source?	Move the machine away from the heat source
	Is the intake duct or discharge duct obstructed?	Remove the obstruction from the discharge duct or intake duct.
	Display error code "CL"	When the ambient temperature drops below 40℉, this error code appears, the compressor and the fan will shut down
	Display error code "CH"	When the ambient temperature goes above 100℃, this error code appears
	Display error code "LO"	When the ambient humidity drops below 20%, this error code appears
	Display error code "HI"	When the ambient humidity goes above 90%, this error code appears
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

TROUBLE SHOOTING

⚠ Warning:

If the tank-full-indicator is always on, there may be a malfunction in the machine. Please seek technical support from professionals.

If anything unexpected happens, please turn off and unplug the machine immediately, and seek technical support from certified electrical engineers.

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.




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