

Moisture Cure DEHUMIDIFIER

MODEL: DY-618LV/A

INSTRUCTION MANUAL



Thank you for choosing this product.
Please read this instruction manual before using it.

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WARNINGS AND CAUTIONS



WARNING

To prevent injury to the user or other people and property damage, the following instructions must be strictly obeyed.



Be sure not to do.



Do not use wet hands.



Be sure to follow the instruction.

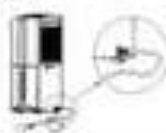
This unit must be reliably grounded or plugged into a grounded outlet.



This unit uses special electrical connection and outlet, don't use other extension wire or portable outlet.



If there are damage on the power cord, contact the manufacturer or manufacturer's agency or other similar groups with approval, and raise a claim to replacement.



This unit should be turned on/off in right way repeated plugging the connector is certainly a wrong way, don't do this. If the unit will be leave unused for a long time, pull out the plug.



Do not touch the power switch or outlet with wet hands, it may cause electric shock.



Do not put your hands or other sticks in the air outlet, it's dangerous.



Warm air coming from the unit may harm the health of people and animals so don't stay before the air outlet for too long time.



Do not operate this unit near corrosive, flammable, explosive materials.



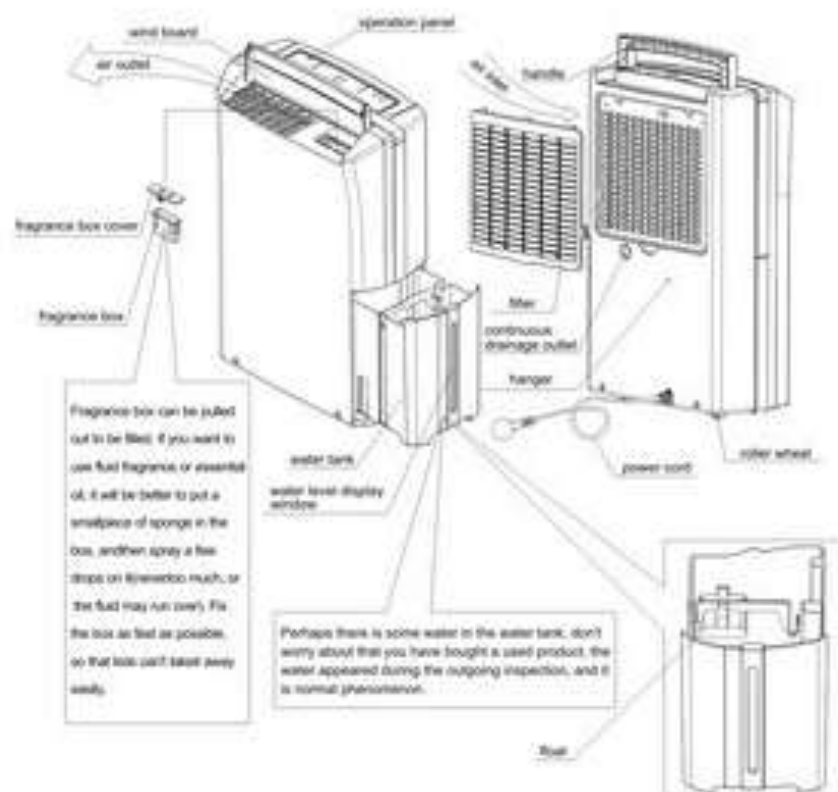
Do not stand on this unit, other objects should not be put on it, either.



Kids and incapacitated people without guardians' monitor and teaching should keep away from this unit.

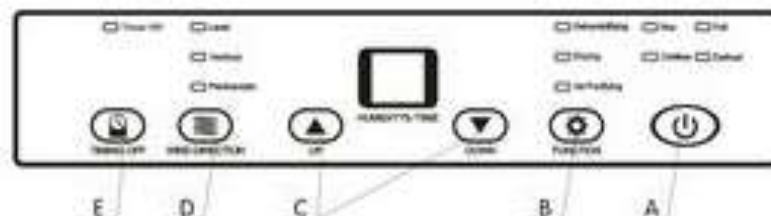


PARTS NAME



Beware of any substance and fluid that can drop into the unit from air inlet or when the fragrance box is pulled out, or it may cause unit damage.

OPERATION PANEL



- A. "POWER" key: pressing this key once turns the unit on and pressing again turns the unit off.
- B. "FUNCTION" key: used to change working mode between dehumidifying, clothes-drying and air-purifying.

No matter which mode was the unit in before turned off, dehumidifying is original mode by next start.

- C. "UP" and "DOWN" keys
- used to set the target humidity, the value will rise or drop 1% by each pressing down.
 - used to set the target time, the value will rise or drop 1 hour by each pressing down.
- D. "WIND DIRECTION" key: used to change swing mode of wind board between 4 modes, i.e. horizontal swing, vertical swing, wide-angle swing and stand still.
- E. "TIMING" KEY: used to start the timing shutdown function (clocked-operation function is yet unavailable).

Lock key program is designed for this unit, pressing keys "UP" and "DOWN" at the same time for 2 seconds all keys on panel will be locked. To release the lock you just need repeat previous operation again (pressing keys "UP" and "DOWN" at the same time for 2 seconds).

LED INDICATOR

• operation indicator

The unit will be in standby condition after energized, within this period the indicator flashes cyclical, brightens for 0.5s, and darkens for 2.5s. After start-up this indicator is always light. After shutdown the unit goes on standby again, the indicator flashes as beginning.

• continue indicator

will be always on light in continue mode.

• defrost indicator

will be on light during defrosting, off when defrosting stops.

• **Tank-full indicator**

When tank is full, unit will turn into standby condition automatically, the indicator light will begin to flash and sound of beep will be heard 5 times. When the tank-full signal disappears, this indicator light will go out.

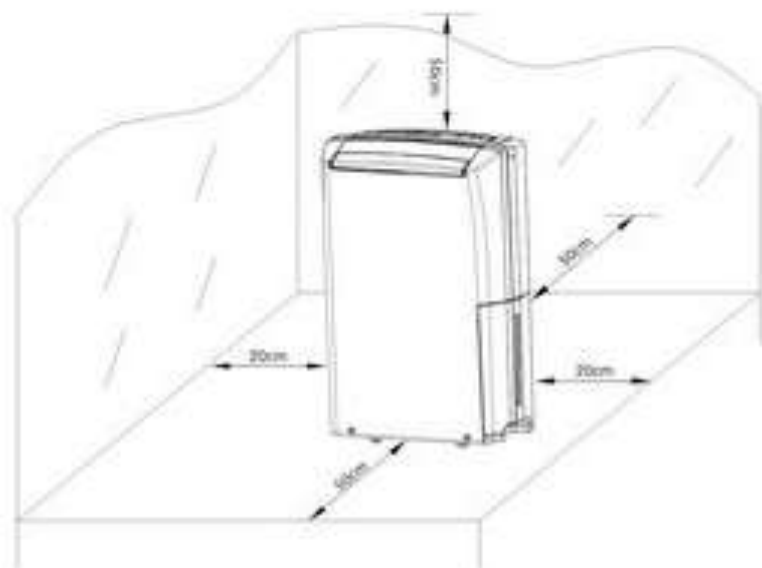
• **dehumidifying indicator, clothes-drying indicator, air-purifying indicator, horizontal indicator, vertical indicator, and wide-angle indicator will lighten only when relevant function starts.**

• **timing shutdown indicator**

By timing shutdown setting this indicator will flash after pressed. This indicator is always light during the setting-up time after the timing shutdown setting finished. Otherwise this indicator is dark.

PRIOR TO OPERATION

A. Put the unit in proper location; complying with the requirements below can help the unit achieve its best performance.



B. Supply power should be in correspondence with the value on the nameplate. Power outlet need be grounded.

C. Screw the main cord and plug it properly.

D. Check and make sure that no obstruction in inlet and outlet. Free wind flow is the key to optimum performance and energy conservation.

E. If continues dehumidifying is started for a long time, a drainage pipe will be useful.

Below are detailed operating procedures:

1. Shutdown, cut off the power supply and pull the water tank out.
2. Take the dummy aperture on the back panel of the unit off with knife or clamp.
3. Connect the drainage pipe with 12mm in diameter with the faucet through the dummy aperture and tie it with ligature.
4. Place the tank in the unit again.

Figure 2

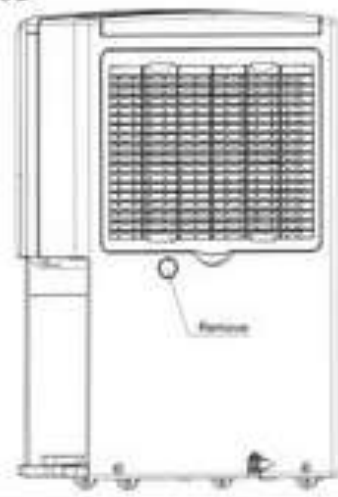
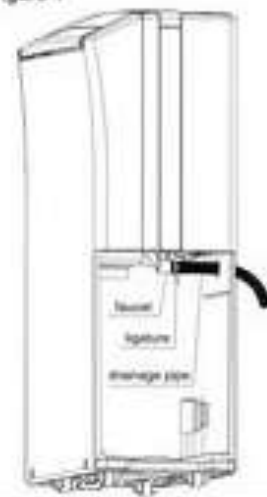


Figure 1



Stretch the drainage smooth, for if it is flat or twists together, drainage will not go on right; even the unit can not work normal. During the operation drainage pipe should never be in higher position than the faucet.

OPERATING INSTRUCTIONS

A. Turn On/Off

- Press "ON" once while unit is energized, wind board will slowly raise up, unit begins to work.
- Press "ON" once again after use, unit will shut down and wind board closes automatically.

Let the unit rest for 3 minutes at least after turned off, so that residual water on condenser can flow into the tank. Pull out the plug when the unit is off for power saving and safety.

B. Working Mode Setting

Working mode (dehumidifying, clothes-drying or air-purifying) can be changed by press the key "FUNCTION".

a. Humidity Setting in Dehumidifying Mode

Humidity can be set by pressing keys "UP" and "DOWN" within a range from 26% to 90% RH. After start-up the original value is "CO", press "UP" and "DOWN" to change the value as you want. A low beep will sound when this process finishes. Waiting for 5S, unit accepts the order and then the actual humidity value appear on the panel. If the humidity has been set under 26% RH, "CO" appears on the panel and the unit will turn into continuous dehumidifying mode.

b. Affect of humidity setting to operation state

- If the unit has been put in continuous dehumidifying mode, its operating will not influenced by the change of ambient humidity.
- If continuous dehumidifying mode has not been started, humidity control system will begin in 5 minutes after start-up. If the setting-up humidity 3% higher than actual humidity, operating stops, conversely operating restarts.

c. Clothes-drying Mode

- Clothes-drying Mode: Unit will shut down automatically after 4 hours' continuous dehumidifying. Meanwhile unit's operating will not influenced by the setting-up humidity.
- If you have start the timing shutdown function, unit's operating time will be determined by the time you have set.

d. Air-cleaning Mode

- In this mode the compressor doesn't work, only the fan motor runs, i.e. the unit will purify indoor air without soaking up the moisture, so that it can satisfy the requirement in most energy-saving way.
- In this mode shutdown time and wind direction can still be set, but humidity can not.

3 minutes delayed protection program was designed for working Mode Toggling.

C. Wind Direction Setting

- press the key "WIND DIRECTION", then the wind board will change its swing mode, 4 modes are available: horizontal swing, vertical swing, wide-angle swing and stand still. (if swing mode is not set, unit will outlet the air in widest angel automatically after start-up.) Detailed wind flow angles will be shown in figure 1 below.
- The small wind blade on wind board can be manually regulated to change the wind flow angle if needed when wind board stops swinging.

Figure 1

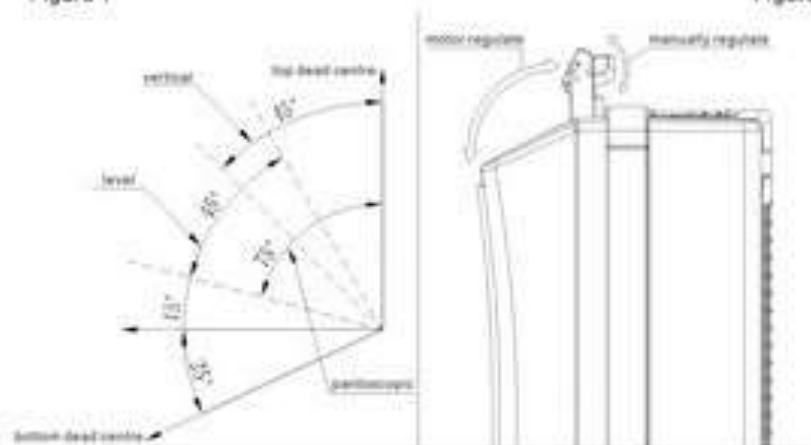


Figure 2

Be sure of no obstruction in wind board, and don't push the wind board at random when the unit is running in order to avoid damage to the unit or capacity lessening.

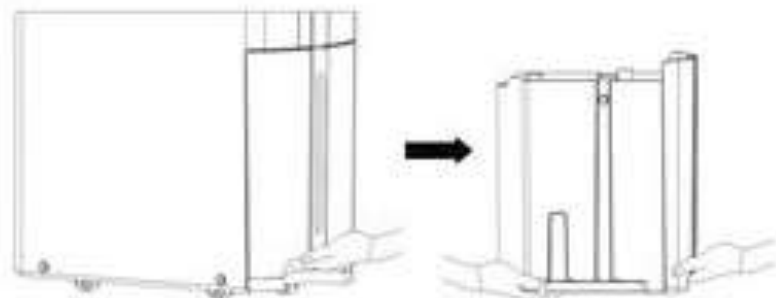
D. Timing

No defaults are set by factory. The indicator of "TIMING" flashes when the key has been pressed, simultaneously the setting-up time will appear on the panel. Original value is 00, i.e. no setting. By pressing keys "UP" and "DOWN" in 5S the setting-up time will be expended or shortened. A low beep will sound when this process finishes. Waiting for another 5S, if the indicator of "TIMING SHUTDOWN" is on, the Timing shutdown setting succeeds. Actual humidity in the room will subsequently appear on the panel. E.g. with the value setting of "06", the unit will shut down automatically after 6 hours.

Timing shutdown is always available, even though the unit works in different modes (dehumidifying, clothes-drying or air-purifying). But if working mode changes, the setting-up time need to be reset.

E. Cautions During Moving the Water Tank

- Only when the unit is off can water tank be drawn out, keep the tank steady during moving it.
- support the tank base during moving before pouring.
- Don't fiddle with or break the float, lifting the tank with holding the float is strictly forbidden.



- Air filter should be properly kept, please don't heat it by fire or bake it in the sun.

CARE AND MAINTENANCE



Caution: To avoid unexpected accident, unit must be disconnected from power supply before maintenance.

A. Clean The Air Filter

Air filter gathers dust and is easily be obstructed, to achieve the best operating efficiency regular clean is necessary. Clean the filter every 1 to 5 days if ambient space is dusty, or every month.

The way to clean air filter:

- pull out the air filter.
- suck the dust on the surface of air filter with vacuum, or wash it with warm water [not high than 40°C]
- make the filter dry(by airing or shake it), install it in machine.

B. check the drainage water pipe :

It is necessary to keep the water pipe unobstructed to drain the water smoothly and make the unit work normally. You should check the water pipe regularly and replace it if necessary.

- Unit should be turned off and water tank should be empty after using.
- Don't use the unit near heat producer like stove, heater or cold air outlet, so as not to influence dehumidifying effect or cause danger.
- Don't put the unit at the place where it may be splashed lest it causes electrical leaks.
- Unit should be safely placed before operated, make sure it will not be overset and cause danger.
- Pay attention to the room humidity level if the room is decorated with wooden furniture or other woodwork, for exceeding dryness will result wood cracking.
- Serious pitch and bump, excessive slope will cause operation problems, e.g. operating noise will become higher. Residual water in unit may also run over under the excessive slope.

TROUBLE SHOOTING

- Some problems are minor, before calling for service, try the suggestions below to see whether you can solve the problem without outside help.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Unit does not operate	Unit power cord is unplugged.	Push the plug completely into the outlet.
	Unit has not been turned on.	Turn on the switch.
	Trouble codes (E4) are present.	Water tank is full, empty the tank; make sure the tank is in the right place; the float trips, relocate it.
Dehumidifying capacity (moisture removal) is low	Runtime is too short.	Waiting.
	Air filter is dirty and/or obstructed.	Use water to clean the filter.
	Ambient room temperature is too low or humidity too low.	The unit will not operate satisfactorily if the room temperature is below 18°C.
	Drainage water pipe is blocked or fat.	Check the water pipe and replace it if necessary.
Relative Humidity setting not reached after long period of operation.	Doors and windows are not closed or sealing capacity of ambient room is not good.	Close the door and windows or enclose the space.
Water on floor	Unit lurched too much by moving residual water in unit.	Normal phenomenon
Air coming from unit is warm.	Heat exchanging processes.	Normal phenomenon
Water noise	Refrigerating fluid flows.	Normal phenomenon

Attention:

If the unit still can't operate correctly after the above checking, please contact local distributor.

Forbidden to dismantle or refit the unit without approval in order to avoid danger.

- Trouble codes: Please contact local distributor if any of the trouble codes below appears.

Displayed Code	E1	E2	E3	E4
Error	Pipe coil temperature sensor is broken.	Temperature sensor is broken.	Lack or leak of refrigerant or the compressor doesn't work normally.	Tank is full; tank is not in the proper place; magnet switch doesn't work.
Display usage	Flash every 30s	Flash every 30s	Flash constantly	Flash constantly
Explanation	Unit starts working in dehumidifying mode; normal operating of the unit will not be affected.	Actual humidity will be permanent (displayed in 50%RH); unit will become its continuous operating mode, capable for further use.	Turn the unit off, unplug, and then turn the unit on again. If it doesn't work, try the solution again.	Faults still exist and the unit can't work, it will shut off by itself each after.

TECHNICAL DATA

Model	OY-418LV-A
Moisture Removal Capacity	11L/day(27°C RH=60%)
	18L/day(30°C RH=60%)
Power Supply	220V/50Hz
Rated Power	320W
Rated Current	1.5A
Max Power	430W
Max Current	2.0A
Refrigerant	R134a/150g
Operating Temperature	5-35°C
Maximum Discharge Pressure	2.5MPa
Maximum Suction Pressure	1.0MPa
Net Weight	11kg
Product Size	385mm × 180mm × 525mm