

# Lassele

## MULTIPURPOSE DEHYDRATOR

www.daeyeong.co.kr | USER MANUAL |



DY-70H

D512A-170

※ Please follow the manual for your safety.

· The instructions are subject to change without notice for quality improvement.





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# SAFETY PRECAUTIONS



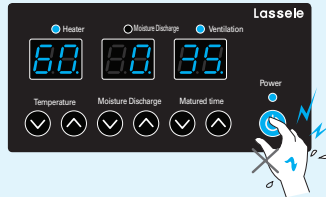
Failure to follow instructions may cause serious injury or death.



Failure to follow instructions may cause personal injury or property damage.

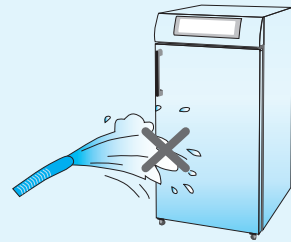
Do not touch the power cord or operate the unit with wet hands

▲Risk of electric shock.



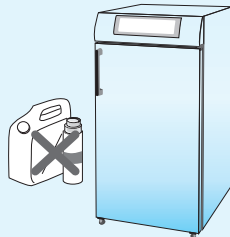
Do not spray liquid directly in the interior and exterior of the unit.

▲Risk of electric shock and fire.



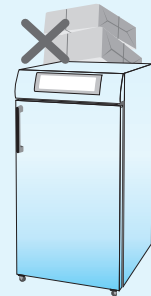
Do not place the unit near flammable material.

▲Risk of explosion or fire.



Do not place anything on top of the unit.

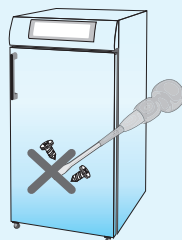
▲Risk of injury.



Do not disassemble or repair the model without an authorized technician.

▲May cause the unit to malfunction.

Risk of fire, explosion, or electric shock.





# Caution



Prohibited.



Ground for electric shock prevention



Do not disassemble.



Important.



Do not touch.



Please read for important product information.

Do not let children use or manipulate the machine.

▲Risk of malfunction or damage.

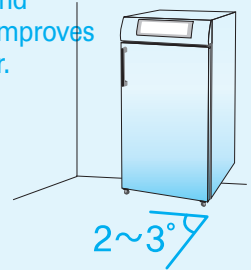


Please install the unit with a 2-3° degree back tilt.

▲When properly installed and tilted back, performance improves and the door closes better.



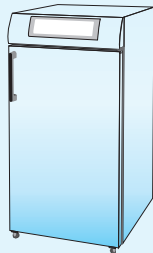
reference



Please leave enough room in the back and ceiling for moisture discharge and better access.

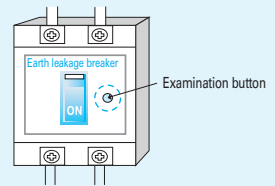
▲Insufficient space can lead to poor machine performance.

▲Dried foods may be altered or spoiled.



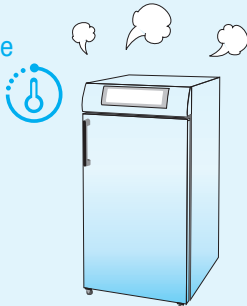
Please review wiring and operate the circuit breaker test regularly (2 times or more).

▲Failure to test the circuit breaker carries the risk of fire or electric shock.



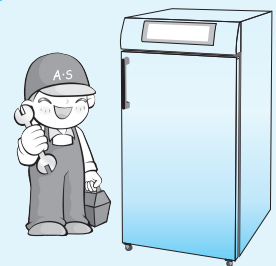
Do not use above the prescribed temperature.

▲Doing so may damage the product.



Please make sure the product is disposed of by a professional contractor.

▲Accidents may occur during disposal.



# INSTALLATION INSTRUCTIONS

## ■ IMPORTANT INSTRUCTIONS

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- ⌚ Use a truck with 500kg or higher carrying capacity when moving the product and a forklift to unload it. If you do not have a forklift, please use at least 4 able-bodied and healthy adults.  
(Using elderly or young children may result in personal injury or damage to the product when off.)
  - ⌚ During installation, wear clothing that properly fits to avoid injury or scratches to the hands and feet. Replace worn work clothes, and use cotton work gloves to avoid injury.
  - ⌚ This product is single-phase, 220V/60Hz. Make sure to check the voltage of the outlet before plugging in
  - ⌚ Ground the dehydrator unit to prevent electric shock.
  - ⌚ Please request the service technician to check the control power wire for wire breakage during service.
- ※Product damage or malfunctions caused by not following the above precautions are not eligible for warranty.

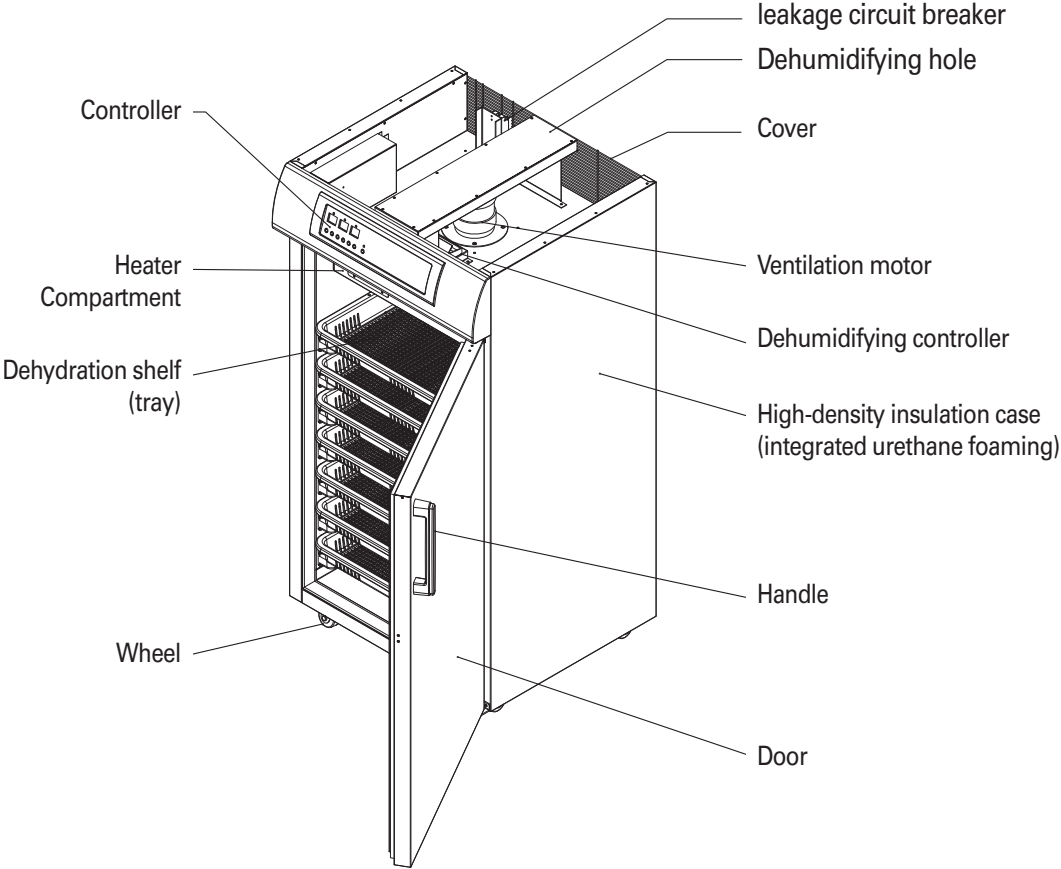
## ■ INSTALLATION SITE

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- ⌚ Do not install the product in open air. (This product is for indoor use only.)
  - ⌚ If the dehydrator is unavoidably exposed to the outdoors, ensure that the dehydrator and products are protected from rain and wind.
  - ⌚ Do not install the dehydrator inside a plastic greenhouse.  
(This shortens the life of the dehydrator as this may cause malfunction of the dehydrator. This may cause deterioration of the product.)
  - ⌚ If you install the dehydrator on soil, install it over brick, block, etc. floor.  
(During installation, use a cart to make installing the unit easier)
  - ⌚ Install the dehydrator floor in a dehydrator place without puddles or water accumulation.
  - ⌚ Install the product at an electric meter and power connection close and easily accessed by the unit.  
(By default, a 220 power cord is applied.)
  - ⌚ Leaving plenty of ceiling and back space facilitates checks and ensures better moisture release properly. (Leave a 1 meter space allowance for the ceiling, and more than 30cm for the back)
- ※ Moisture is discharged due to the high temperature in the dehydrating chamber.
- 1) Please ensure that the product is not attached to it's surroundings.
  - 2) Please consider the environment.
- ※ Insufficient or no space allowance for the ceiling and back may lead to product not dehydrating well, and make it difficult to replace parts during service.

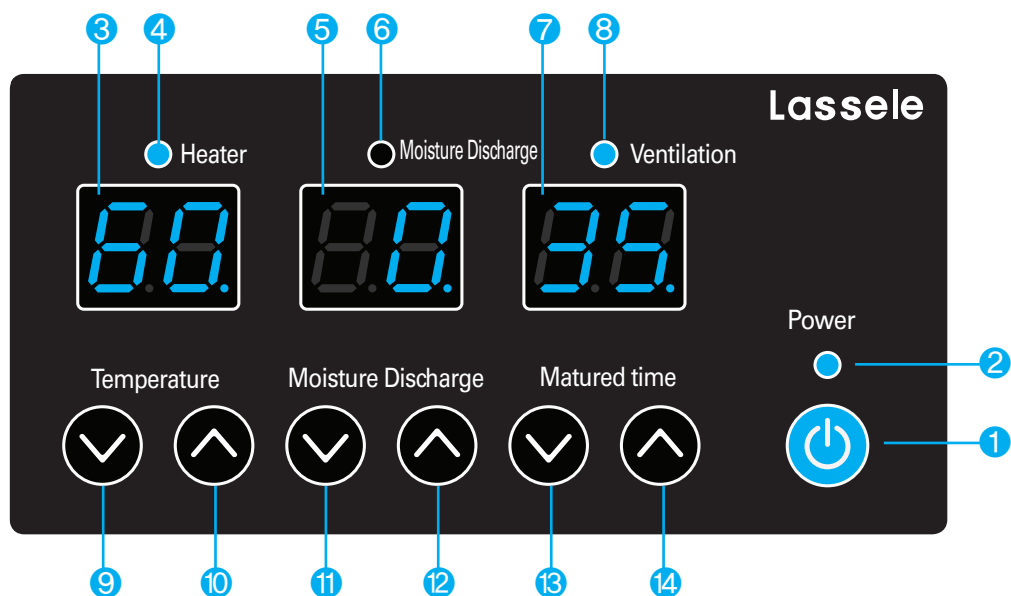
# STRUCTURE AND PARTS

DY-70H



# PROPER USAGE

## APPEARANCE AND DISPLAY PANEL



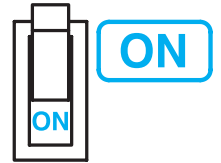
- 1** Power Switch: Used to turn the power on and off.
- 2** Power Indicator: Lights up when dehydrator is in operation.
- 3** Current Temperature (Set Temperature) Display: Shows the inside dehydrating temperature and current set temperature. (The setting displays the current temperature and when the temperature setup has been completed)
- 4** Heater Indicator: Lights up when heater is in operation.
- 5** Dehumidifier Control Display: Shows the heat control during adjustment.
- 6** Dehumidifier Control Indicator: Lights up when the dehydrator adjusts temperature.
- 7** Set Time (Remaining Time): Displays set dehydrating time (remaining time). (Settings can be adjusted to increase or reduce dehydrating time)
- 8** Fan Indicator: Lights up when the fan is in operation.
- 9** Temperature Down: Press to lower set temperature.
- 10** Temperature Up: Press to increase set temperature.
- 11** Heat Control Down : Press to lower dehydrating heat control step.
- 12** Heat Control Up: Press to increase dehydrating heat control step.
- 13** Set Time Down: Press to decrease remaining hours of dehydrating.
- 14** Set Time Up: Press to increase remaining hours of dehydrating.



# USAGE

## A. CIRCUIT BREAKER

- Turn the circuit breaker ON at the back of the dehydrator after plugging it into an outlet



## B. POWER

- Pressing the power button will turn on the unit, as indicated by the power light

Power



## C. TEMPERATURE SETTING

- Set your desired dehydrating temperature (Setting Range : 0°–70°C)  
(If you set the temperature lower than 10°C and alarm will sound.)  
(Pressing the UP and DOWN buttons turn off the alarm)

Temperature



## D. DEHUMIDIFIER CONTROL

- Adjust the dehumidification phase and time using the UP and DOWN buttons.
  - Manual Dehumidification Step Range (0–3)
    - 0 : OFF
    - 1 : Dehumidification 30%
    - 2 : Dehumidification 60%
    - 3 : Dehumidification 100%
  - Auto dehumidification time: A1–A9
    - A1–A9 refers to the time to reach set temperature.
    - The dehumidification control reaches A0 (OFF) after a set time.

Moisture Discharge



Moisture Discharge



If you set the dehumidification control to A7, it will reach the set temperature (100%) in 7 hours.

- ▶ If you set an automatic dehumidification temperature to 60°C, the remaining time will automatically be set to 35 hours.

## E. SET THE TIME (REMAINING TIME)

- ➔ Use the UP and DOWN buttons to adjust the time settings.
- ➔ If you want a dehydrate to run continuously, set it to “Co.” (99, then set to “Co.”)
- ➔ Once the remaining time is finished, an alarm will sound.

Matured time



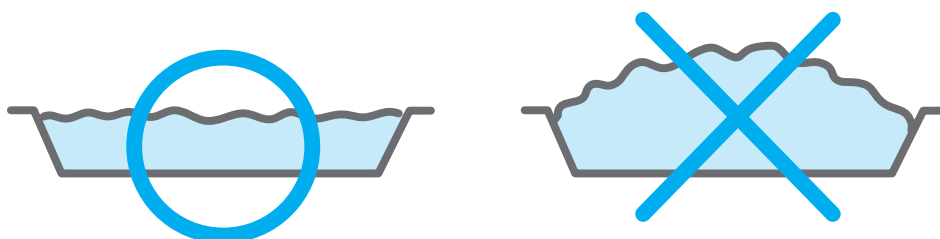
## ERRORS AND SOLUTIONS

CODE	ERROR	PROBLEM	SOLUTION
E1	Overheating Error	Current temperature is 10°C higher than max. temperature setting.	Please gradually lower a set temperature more than 10 °C, do not lower than the current temperature. If it happens regularly, have your unit checked
E2	Heater Error	Heater continues to operate abnormally	First, turn off the power to stabilize the unit. Check the heater and heater relay of the controller before restarting your machine.
F1	Fan Error	Fan was disconnected or short-circuited	Check the wiring of the blower. In case of disconnection or short-circuit, call your service provider (A/S article)
F2	Fan Error	Fan was jammed or unable to turn	First, turn off the power to stabilize the unit. Keep checking the fan motor and fan blades for the same occurrence after restart.
C1	Sensor Error	Temperature sensor was disconnected or short-circuited	Check the outside of the sensor, wiring, and connections.

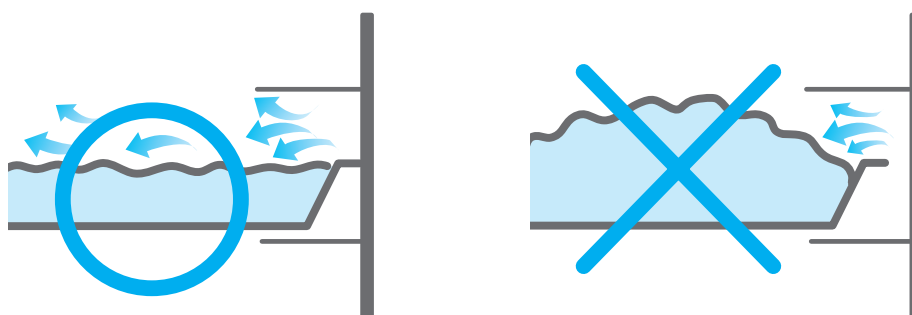
# DEHYDRATING TIPS

## DEHYDRATING TIPS

- 1** Evenly place the product to be dried on the tray. Do not overload the tray with product.



- 2** Keep the product at a proper level of height so the lateral vents are not blocked.



- 3** The standard table of dehydration temperature is to dehydrator the crops harvested under ordinary conditions. Temperature and time adjustment after the first session of dehydration might be necessary
- 4** At the first session of dehydration, set the temperature as low as possible. Then, raise it gradually while checking the state of dehydration.
- 5** The actual dehydration temperature and time vary depending on the conditions of crops. Set a proper temperature and time in view of quality conditions.
- 6** If you set a dehumidification step during winter (maximum of 3 stages), the cold air may cause longer dehydrating time. (Please run at room temperature at around 15°C in more than one stage, which is the absolute minimum, and increase the dehydrating time for the stages)

※ The manufacturer is not responsible for any malfunctioning resulting from improper installation and handling of the product.

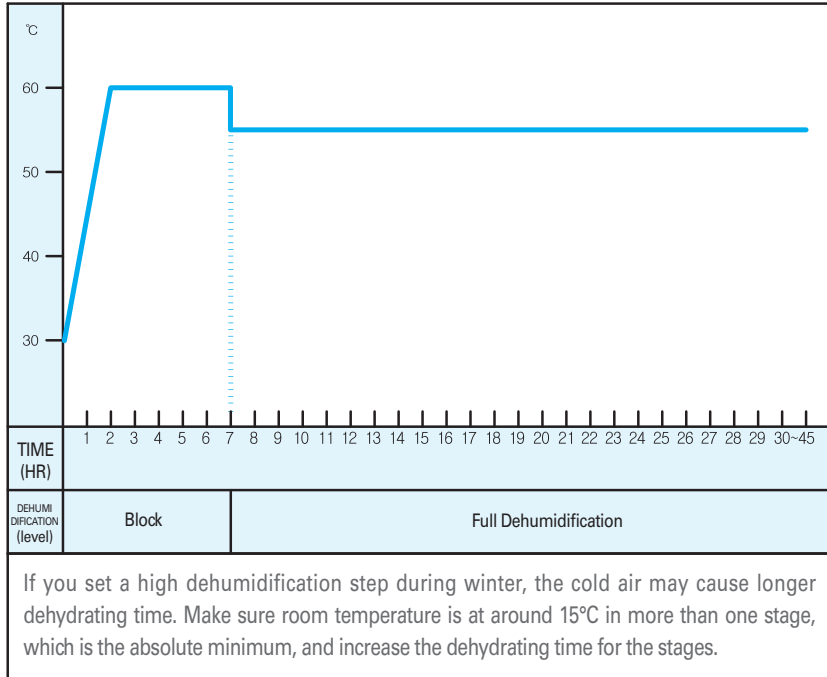
## DRIED PEPPERS

- 1 Appropriate temperature and moisture must be adjusted according to the type and condition of chili pepper.
- 2 The standard temperature table is for reference only. The time and power consumption vary according to the species (thickness, size, moist) and the amount of goods.
- 3 Collect the goods after the morning dew are cleared out if possible.
- 4 Collecting the optimum amount for the dehydrating chamber is more effective.
- 5 Placing too much goods in the dehydrating chamber extends the time required for the dehydrating and causes the dehydrating quality to drop [Excessive amounts of goods will cause certain regions of the good to not dehydrator properly]
- 6 When placing the chili pepper on the tray, have them spread evenly and have them at an even height.
- 7 Chili pepper washed with water should be dried at low temperature to [20-35°C] for 3-4 hours and gradually raise the temperature.
- 8 Have the moisture discharge damper completely closed and have the temperature set to 65°C leave the operation go until the skin of the chili pepper are soft [if sap comes out from the chili pepper, the dehydrating is a failure. Observe the chili peppers' condition carefully]
- 9 Have the moisture discharge damper completely opened to clear out the moisture in the dehydrating chamber
- 10 After the moisture is removed, set the temperature to 55°C and gradually close the damper [If the temperature is too high, the color of the chili pepper will turn dark brown]
- 11 When finishing dehydrator is performed, set the temperature at 50°C and have the moisture discharge damper slightly opened
- 12 If the dehydrating is performed 80-90%, have the chili pepper dehydrator under sunlight or in a vinyl housing will result better coloring and save fuel cost.
- 13 The process above is the standard but the process may differ according to the amount, type and collected time of the chili pepper. At the first 1-2 trials, take extra caution in operation

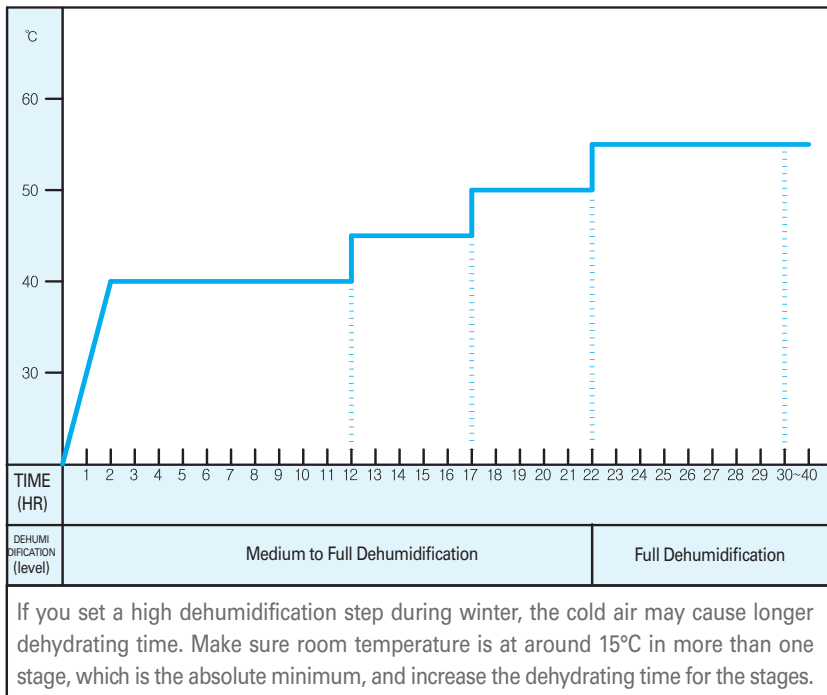
## DRIED RADISH STR

- 1 To prevent the sliced daikon to not fall, place a net beneath the tray and then spread the sliced daikon evenly
- 2 The product specification is based on chili peppers. Adjust the proper amount for sliced daikon
- 3 If dried at high temperature, the sliced daikon tends to become boiled and discolored. To prevent this, have the temperature rise gradually.

## STANDARD DEHYDRATING TEMPERATURE TABLE FOR PEPPERS



## STANDARD DEHYDRATING TEMPERATURE TABLE FOR RADISH STRIPS

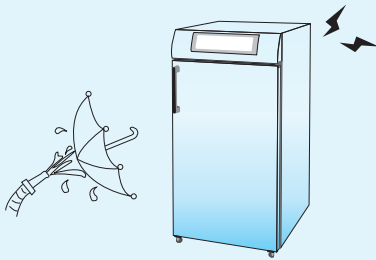


# STORAGE MANAGEMENT TIPS

## CLEANLINESS CARE

### ■ Do not spray with water

- Spraying the unit with water can cause malfunction or short-circuit.



### ■ When cleaning the exterior

- In case of using detergent to clean, wipe with a soft towel soaked in hot water. Wipe with a clean dehydrator towel after.

### ■ Do not use the following products to clean your unit

- Thinner, benzene, Petroleum, Boiling Water, Abrasives, Hydrochloric Acid, Coarse Cotton, etc. These could damage the outer surface and components or cause electric shock, discoloration, or fire



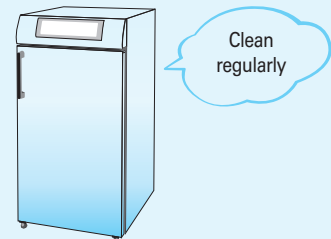
### ■ After Cleanup

- Do not forget to close the doors after cleaning the product. The door gasket and upper lid might not be packed tight sometimes. Check if they are closed tight. It may cause an electric shock or fire.
- Check if the power cord is working well without damage.
- Please read the instruction manual before starting the products.



### ■ Door Packing (Door Gasket)

- The lower part of the machine is apt to get dirty. Wipe it with a soft towel with a dishwashing detergent and then wipe the detergent on the surface with a clean towel



## STORAGE MANAGEMENT

- 1 After dehydrating, please clean the parts with a dehydrate rag.
- 2 Some parts of the devices cannot be washed with water. (Risk of electric shock or fire)
- 3 Apply anti-rust oil to rust-prone parts of the unit.  
(Do not apply the oil to the control box and wires)
- 4 Please check any busted or broken parts.
- 5 In case of store machine for long term, please put stones or lumbars beneath machine to support it and wrap it with cover.
- 6 Wires must be kept in a clean place, well out of reach from sun and rain.



Lack of proper maintenance or neglect of this machine will shorten the lifespan of the machine and negatively affect its performance.

## SOLUTIONS FOR POOR DEHYDRATING RESULTS

- 1 Make sure that there is sufficient space behind ( $\geq 30\text{cm}$ ) and ceiling ( $\geq 1\text{m}$ ). Lack of space affects moisture release and may affect the product.
- 2 Check if the ambient temp is  $\geq 15^\circ\text{C}$ . Adjust the dehydrating time and dehumidification step during fall, winter, and spring.
- 3 To dehydrator products properly, dehumidification must be carefully controlled for good quality results.
- 4 Ensure product is evenly spread around the edges to the center of the tray
- 5 Do not dehydrator too many products at once. It may not dehydrator evenly.
- 6 Ensure that the dehydrating temperature is not too high.

# SAFEGUARDS

## 1 HIGHTEMPERATURE WARNING

- The alarm sounds when the temperature is 10°C or more above the current temperature.
- The alarm sounds for a minute, you can turn it off by pressing the alarm stop button. The product goes back into normal operation when the current temperature goes down and the difference is less than 10°C.

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## 2 HEATER MALFUNCTIONING WARNING

- When the heater is out of kilter, the alarm rings, the heater is switched off, and the power for the fan is cut.

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## 3 FAN BLOWER WARNING

- When the fan is out of kilter, the alarm rings, the heater is switched off, and the power for the fan is cut.
- In this case, turn off the unit and check it up before restarting it.

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## 4 SENSOR MALFUNCTIONING WARNING

- Short circuit or disconnection of the temperature sensor makes the alarm ring. The heater is switched off and the power for the fan is cut.

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## 5 OVERHEATING PREVENTION

- When the temperature inside the heater goes up above 95°C, the heater is automatically switched off

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## 6 SHORT CIRCUIT PREVENTION

- When the product has a short circuit, it is automatically turned off.

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## 7 CIRCUIT PROTECTION

- When the controller has a glitch, such as short circuit, the power fuse is cut to protect the circuit.

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## 8 LIGHTNING DAMAGE PREVENTIION

- The unit has a safety device that protects electrical equipment from lightning.

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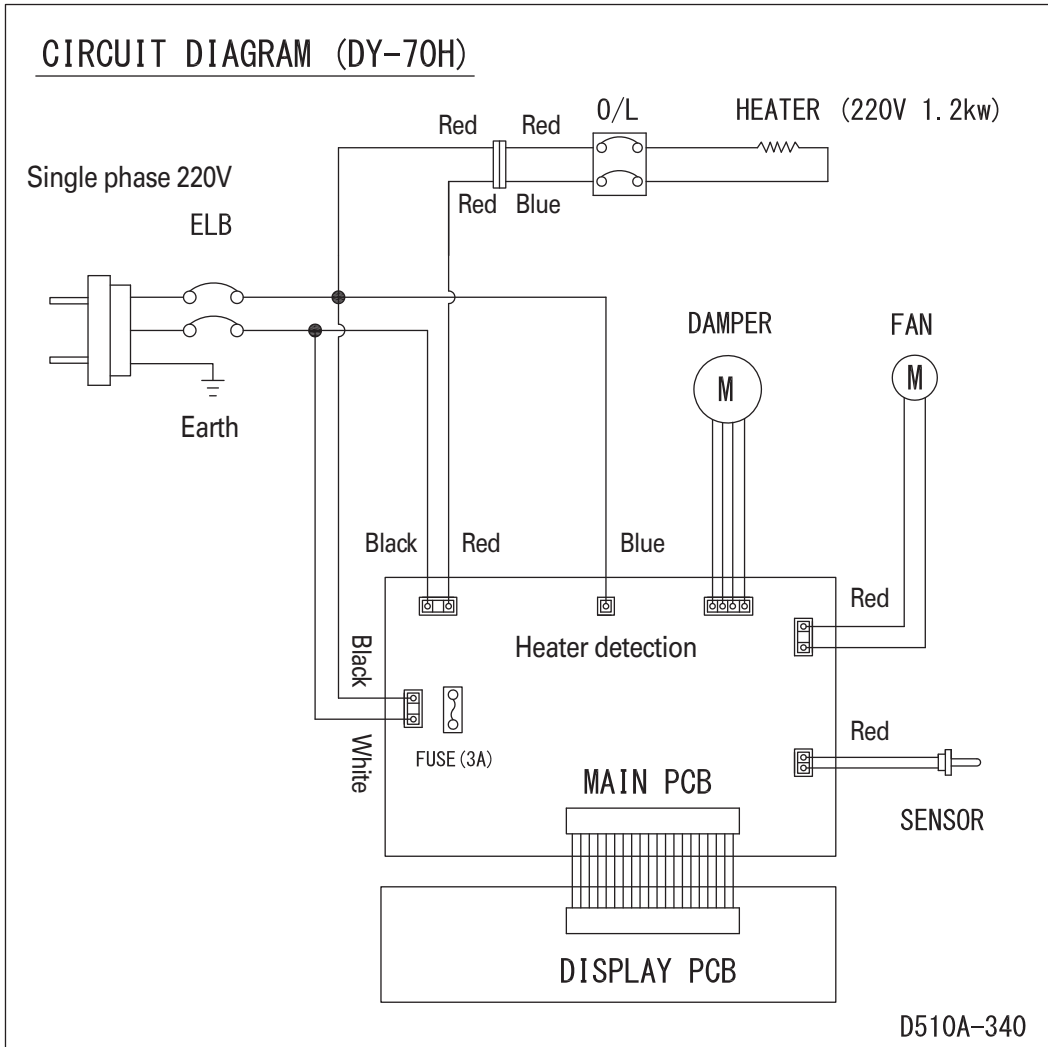
## 9 AUTO RESTORATION AFTER POWER OUTAGE

- When the product is turned off and on again after a blackout, it remembers and restores the settings before the power outage



# CIRCUIT DIAGRAM

## DY-70H



# DAILY INSPECTION METHODS

Please regularly check the condition of the machine and practice proper maintenance to ensure the longevity and safety of the unit, and to prevent damage to property or persons.

## CHECKLIST

NO	SYMPTOM	TESTING	INSPECTION TIME
1	Circuit Breaker	<ul style="list-style-type: none"> <li>· Periodically press the test button and check that it is operating normally.</li> <li>· Ensure that the power switch is turned OFF when you press the test button.</li> </ul>	at least twice a month
2	Power Cord	<ul style="list-style-type: none"> <li>· Check to ensure that the state of the internal and external cables.</li> <li>· The wires that are stripped or aging may cause electric shock or fire.</li> </ul>	Periodic Inspection
3	Wiring Terminals	<ul style="list-style-type: none"> <li>· Ensure that the connected power supply and wiring terminals are not disconnected or loose.</li> </ul>	Periodic Inspection

## NOTICE

### Reference

- The dehydrate must be maintained and cleaned regularly to ensure safety and efficiency.
- Ensure that the power is OFF during and after the inspection and cleaning of the dehydrator.

### Caution

- Do not use if the unit is wet or if moisture has accumulated in the body. Please stop operations after removing the water and do not use the unit.
- Unplug the power cord if the unit is not used for an extended period of time.
- Do not use if the unit is wet or if moisture has accumulated in the body. Please stop operations after removing the water and do not use the unit.
- Do not modify household product to business purpose or randomly.
- ※ Do not use if the unit is wet or if moisture has accumulated in the body. Please stop operations after removing the water and do not use the unit.

# TROUBLESHOOTING

## TROUBLESHOOTING

- 🕒 Please check the below items first before requesting warranty from your service provider when what appears to be a technical glitch is suspected.
- 🕒 If malfunctioning or abnormal operation continues, check the error code and call for warranty service from your sales agency or warranty center.
- 🕒 When reporting a glitch, please tell the name of the model, details of your troubles, your name, address, and phone number
- ※ Before product checkup, be sure to switch off the breaker or an accident could occur.

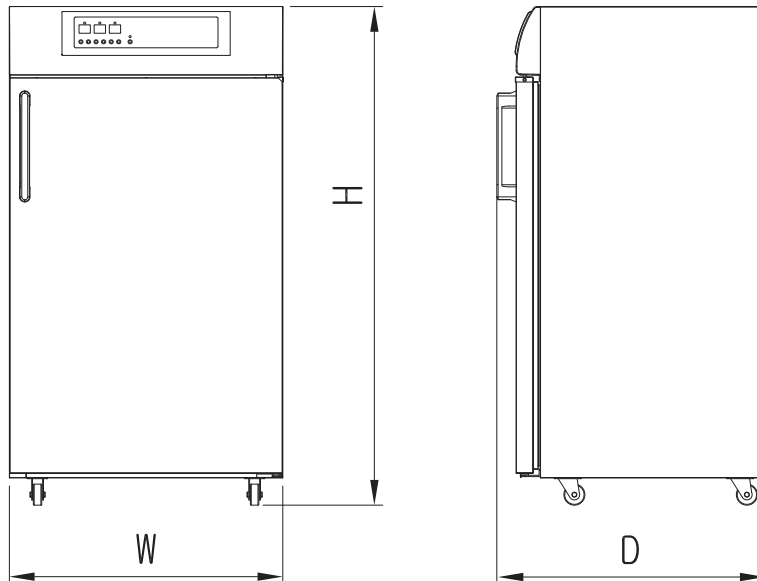
SYMPTOM	CAUSE & POINTS TO CHECK	SOLUTION
UNIT WON'T TURN ON	Circuit Breaker	a. Replace the fuse in the main controller standard (250V 3A) to fuse
	Blackout	a. Wait until the power comes back on failure off
	Poor power connection	a. Make sure that the power is properly connected b. Make sure that the breaker of the main meter is on c. Check if any of the wires are in need for repair or replacement
THE MAIN CIRCUIT BREAKER IS TURNED OFF	Malfunctioning Breaker	a. Turn breaker ON
	Breaker Failure	a. Press the RESET (test) button on the circuit breaker to test it. b. If the breaker is determined as faulty, replace the circuit breaker with the same specs.
	Shorted Heater	a. Test the insulation resistance b. If the insulation reading is less than 50MΩ, it is defective and should be replaced.
	Motor was shorted	a. Test the insulation resistance b. If the insulation reading is less than 50MΩ, it is defective and should be replaced.

CHECK POINTS	CAUSE AND CHECKLIST	
CONTROLLER DOES NOT WORK	Check poor main PCB and control PCB connections	Make sure the PCB connector is not missing or broken.
	Faulty main PCB	Replace the main PCB
	Faulty Control PCB	Replace the control PCB
TEMPERATURE WARNING LIGHT FOR OVERHEATING (E1)	Set temperature was set 10°C or less than current temperature	Lower the set temperature 10°C
	Internal dehydrating temperature is too high	Let the unit rest and stabilize.
	External temperature is over 10°C higher than set temperature	a. Cool down the external temperature by increasing airflow b. Change the set temperature
	Check the heater and blower (Continues flashing sequence every dehydrating)	Check the status of the heater and blower motor.
WARNING FOR OVERHEATING (H1)	Can be displayed temporarily	a. Might be due to voltage fluctuation. Turn the power and circuit breaker off. Restart the unit. b. If the error appears repeatedly, the main PCB Relay may be broken. Replace main PCB.
	Continuous supply of power to the heater even when the light is OFF	The relay for the main PCB of the heater may be broken. Replace the main PCB.
WARNING FOR OVERBLOWING (F1/F2)	Motor has been disconnected or malfunctioning	a. Turn the unit off and check the motor and fan for abnormalities. Restart the unit. b. If the error happens repeatedly, replace the main PCB.
	Blower is not operating normally	a. Make sure that the fan blade is in its axis. b. Check if the fan blade is affected by foreign objects or modifications. c. Check wiring (Connectors are clamped down properly) d. If the motor is broken/defective, replace motor. e. If the main PCB RELAY for the motor is broken, replace the main PCB.

# PRODUCT SPECIFICATION

## PRODUCT SPECIFICATION

MODEL	DY-70H	
RATED VOLTAGE	AC 220V 60Hz	
POWER CONSUMPTION	1275W	
WIRE GAUGE	1.5mm <sup>2</sup> (within 20M)	
AIR BLOWER	75W	
ELECTRIC HEATERS	1200W	
TEMPERATURE RANGE	0 ~ 70°C	
CONTROL METHOD	MICOM Fully Automatic Control	
INSULATION	High Density Polyurethane Integral Foam(40mm)	
POWER FUSE	250V 3A	
DIMENSIONS(W x D x H)	650 X 638 X 1275	
WEIGHT	61kg	
ACCESSORIES	Dehydrating RACK (WICKERTRAY)	7 EA

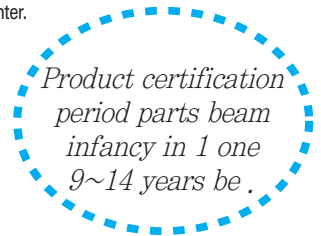


MEMO

# Quality assurance certificate

- The manufacture assures the quality of the product like the following in compliance with the Consumer Damage Compensation Regulations.
- Contact your sales agency in case of product malfunctioning. If it is unavailable, please contact the warranty service center.

Product name		Model	
Date of purchase	yy mm dd	Serial no.	
Place of purchase		Price	



## Free-or-charge warranty

If the product has been used for commercial purpose, the warranty period is halved.

### Types of consumer damage

Malfunctioning under normal and ordinary operation within the warranty period

	Within warranty period	After warranty period
■ In case a major repair is required within 10 days from the date of purchase	Exchange or refund	Irrelevant
■ In case a major repair is required within a month from the date of purchase	Exchange or free repair	Irrelevant
■ In case damage occurs in transportation or installation	Exchange	Irrelevant
■ In case a major repair is required within a month from the date of exchange	Refund	Irrelevant
■ In case exchange is impossible	Refund	Irrelevant
Repair available	■ In case the same malfunctioning occurs twice	Free repair / Paid repair
	■ In case the same malfunctioning occurs 3 times	Exchange or refund / Paid repair
	■ In case 5 different sorts of malfunctioning occur	Exchange or refund / Paid repair
■ In case the manufacturer loses the product the customer requested to be repaired	Exchange or refund	Refund of the depreciated amount with a 10% addition
■ Repair unavailable for the lack of exchangeable components within the warranty period	Exchange or refund	Refund of the depreciated amount with a 10% addition
■ Repair unavailable with the exchangeable component in store	Exchange or refund	Refund after depreciation

### Glitch due to mishandling and repair mistake on part of the customer

■ Repair unavailable	Exchange after charging on the paid repair service	Exchange after charging on the paid repair service with the depreciation applied
■ Repair unavailable	Paid repair	Paid repair

※ Any warranty service request on a non-glitch is charged. Please refer to the manual before requesting it.

※ The certificate, in effect only in Korea, is not to be re-provided. Please pay heed in keeping it with the user manual.

## Paid warranty service

Non-glitch : washing, adjustment, instruction for use, installation, etc.

- Instruction for use & simple adjustment without disassembling the product
- External problem, e.g. Internet, antenna, cable signal, etc.
- Initial installation & re-installation for under-installation on part of sales agency
- Change in installation settings due to relocation, etc.
- Glitch of the products and software attributed to the customer and not supplied by the manufacturer

### Occasion that is breakdown as consumer fruit

- Glitch due to mishandling and repair mistake on part of the customer
  - Glitch due to a mistake concerning electric capacity
  - Malfunctioning or damage from shocking or dropping the product
  - Glitch due to the use of expendables or components not allowed by the manufacturer
  - Malfunctioning after a repair by any person not hired by the manufacturer
  - Breakdown due to the failure to follow the instructions in the user manual

### Other cases

- Force majeure: lightning, fire, damage from sea wind, flood, etc.
- Expendables going through their lifespan

More convenient and more healthful -  
Daeyeong E&B is the partner for your quality of life.



**Trouble** | When reporting a glitch, please tell the name of the model, details of the trouble, your name, address and phone number. And keep the name of the engineer in charge for your convenience.



- ▶ Contact for warranty service : **1588-6541**
- ▶ Contact for inquiry : **031-433-6781**

Inquiry and warranty service request available between:  
9 a.m. and 6 p.m. (weekday) / 9 a.m. and 4 p.m. (weekend)



**DAEYEONG E&B**  
DAEYEONG E&B CO., Ltd.

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