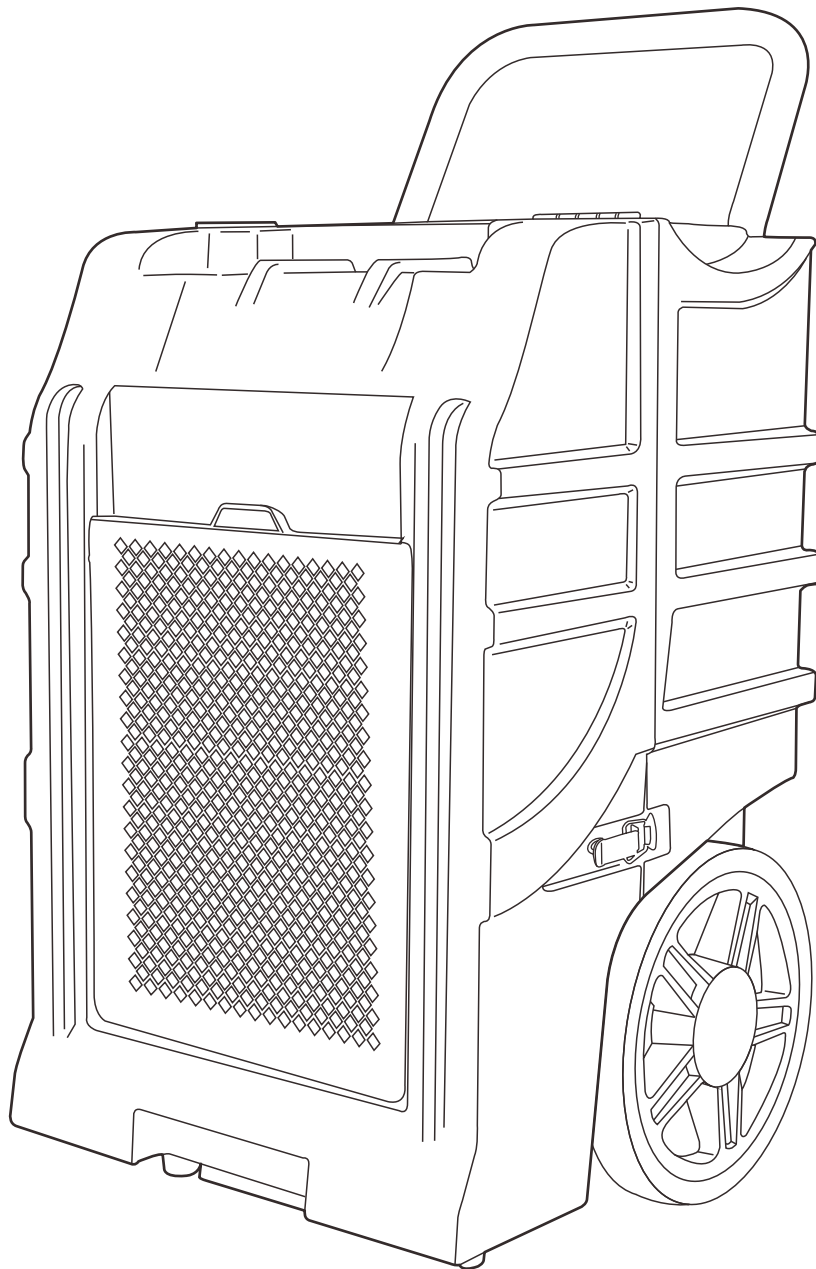




# 70L EXTRACTION LGR DEHUMIDIFIER



## INSTRUCTION MANUAL

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

If power is interrupted during operation, the unit will automatically restart when power is restored.  
Eco-friendly R290 refrigerant.  
Self monitoring system.

### **How your dehumidifier works**

The dehumidifier utilizes either its integral humidistat to monitor the conditioned space or a manual on/off control to energize the compressor when needed. Air is drawn across an evaporator coil. The evaporator coil is cooler than the dew point of the air so water vapour will turn into liquid condensation. Air is then reheated through the condenser coil and distributed back into the room.








## **3 Installation**

- Disconnect electrical power before servicing.
- Only plug unit into grounded electrical outlet.
- Do not use extension cord.
- Do not use plug adapter.
- Power supply: 230 V, 50 Hz, AC only 1 phase.
- Alternatively, you can manually control unit to operate independent of space conditions.
- Place unit in desired location. The inlet of unit should be at least 12" (30 cm) from any obstructions.
- If unit is transported in the horizontal position, allow it to sit in upright position for at least 30 minutes before operating.



**WARNING! It is recommended that the unit be removed from any location where corrosive or high VOC content materials are applied.**

# CONTROL PANEL

- A.  **ON/OFF**: Press the ON/OFF key to turn the unit ON or OFF.
- B.  **PURGE**: Press the PURGE key to empty water from the pump reservoir. During normal operation the pump purges automatically when the reservoir is full. Use 'PURGE' before moving the machine to avoid water spillage. The pump will close automatically after forty seconds continuous operation.
- C.  and  :  
Press  and  key to set or adjust humidity in the range between 26% and 90%. When the environmental humidity is below 26% "CO" will be displayed.
- D.  **TIME**: Display working hours and totally working time After turning on operation, it can display setting humidity(left) and current humidity(right), and humidity could be changed by pressing "Up and Down". for the current time, and the time unit is based on minutes, for example, if it displays "0000:50", it means that it has worked for 50 minutes this time. If you want to view the totally working time, please press "T" once more, and it will shows for 10s and returns automatically to the original working display. If you press "T" before it has lasted for 10s, it also can turn to the original working display.  
If the unit is in power but not in operation, LED will displays nothing, and in this condition, the working hours at the last time will be showed for 10s if "T" is pressed one time. But within 10s, if "T" is pressed again, the totally working time will be showed for also 10s, and within 10s, if there is no action, LED will automatically turn down. In addition, if "T" is pressed again when LED displays the totally working time, LED will turn down immediately. What's more, the current working time will be deleted by pressing "T" for 5s continuously, and the time will be recounted, but the deleted time will be added into the totally working time.
- E. Defrost Indicator  
The unit begins to defrost when the defrost indicator lights; the unit stops defrosting when the defrost indicator is off. When defrosting finishes, the unit begins to dehumidify automatically again.  
**Note**: The totally working time can not be deleted, if the time is beyond the range of LED showing time, it will be deleted and recount from the start.

# OPERATING INSTRUCTIONS

A、 Operation for general use:

I、 Press the ON/OFF key to turn the unit on ,it will get into working mode automatically.

II、 After using, press ON/OFF key to turn the unit off, while water pump will turn on automatically for 40 seconds to drain the rest water ,and turn off automatically.

Note:

## **Attention:**

**DO NOT** switch the power **OFF** by disconnecting at the mains socket outlet.  
To avoid water spillage; **DO NOT** move the dehumidifier for at least three minutes after turning the power **OFF**.

B、 key lock function

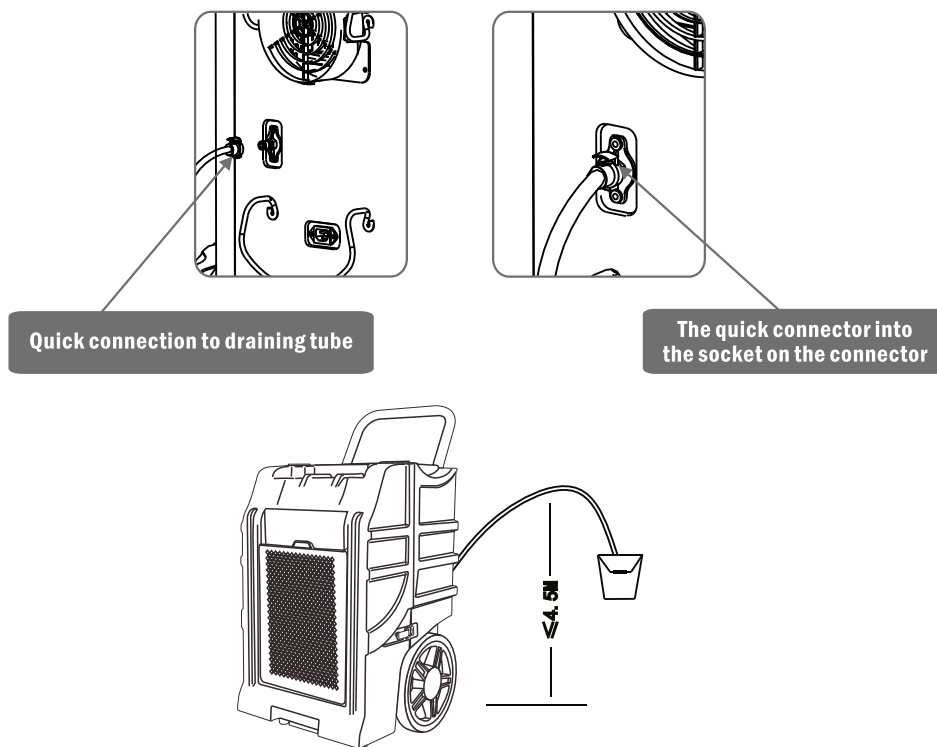
If the keys of “T” and “P ” are pressed for 2s at the same time, the RUNNING light will keep shining at the speed of 50Hz, and all the keys on the control panel will be in lock, but it can be unlock by the same action again.

C. Pipe function

As to a much wetter space, use a plastic pipe with diameter larger than 6.7in, and tie the pipe to hood, it will be much faster and more effective to make it dry.

## 5 Preparing the unit for use

1. Position the machine for a minimum 12" (30 cm) clearance on back and sides. Front should be positioned for maximum discharge distance or directly to specific location for spot drying.  
If the unit was moved in such a manner that the compressor didn't remain in a vertical orientation, wait a minimum of 30 minutes before turning the unit "on."
2. The included drain line attaches to the unit via a quick connection type fitting located on the base of the unit. The drain line should be routed to a suitable drain or outside. Because the unit features an integral drain pump, drain line may go vertically up 18" (45 cm) prior to reaching final drain location.



3. Firmly insert power cord into socket on top back of unit.
4. Set unit control as desired and energize.

## 6 Maintenance and repair

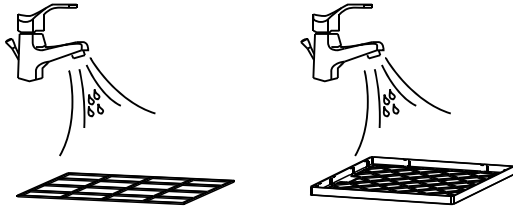
### 6.1 Exterior cleaning

Use a soft, slightly damp cloth to wipe the plastic body.

### 6.2 Filter cleaning

1. Remove the inlet grille to access the filter.

2. Filter may be cleaned by vacuuming or by washing with warm water (no soap or solvents). Insure filter is dry prior to restarting unit.

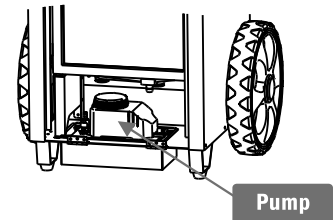


### 6.3 Electronic control maintenance

1. To release screws on the rear cover removed.
2. Open the cover and remove the electrical box cover.

### 6.4 Water pump maintenance

The pump is designed with quick connection construction. If service is required, condensate tube, float switch connections, and the main power cord to pump can easily be disconnected. The pump can be removed from reservoir by using a flat screwdriver to gently pry pump assembly from reservoir. Your dehumidifier is equipped with an integral condensate pump designed to pump condensate from your dehumidifier out to the desired drain. This pump requires routine maintenance that is not covered by your 1 year parts warranty. Only a defective pump will be repaired or replaced during the warranty period.



Open the rear cover and pull the pump out

## 6.5 Preventative maintenance

As with all pumps, preventative maintenance is necessary to prevent issues from dirt and slime that may accumulate in the drain system – including the drain pan, hose to the condensate pump, pump reservoir, pump head and float assembly, and discharge tubing.

## 6.6 At least once per year, clean pump system

### Basic:

1. Press the pump button (P) to drain water from reservoir.
2. Disconnect power to dehumidifier.
3. Mix a 16 oz solution of either 1 oz bleach to 15 oz water or 4 oz white vinegar to 12 oz
4. water. Pour into the drain tray at the base of the coils.
5. Note: If you get any cleaning solution on the coils, flush with water.
6. Allow to soak for 15 minutes.
7. Reconnect power to dehumidifier.
8. Fill reservoir and flush/cycle pump at least two times.
9. Repeat if needed or refer to advanced instructions.

### Advanced:

1. a. Use manual pump button “P”, to drain water from reservoir.  
b. Unplug the dehumidifier and open cover to access pump.  
c. Pump head can be removed from reservoir by pressing on tabs.  
d. A wet-dry vacuum or towels can be used to remove remaining water from reservoir.
2. Fill pump reservoir with a diluted cleaning solution (15 oz water to 1 oz bleach or 12 oz water to 4 oz white vinegar).
3. Reassemble pump and use manual pump button to flush mixture through discharge tubing.
4. Pour same diluted mixture slowly into drain pan under evaporator coil and allow it to clean hose from pan to pump. This process can be stopped when the pump energizes 1 time.  
**Note:** If you get any bleach/water mixture on coils, flush with water.
5. Pour sufficient clean water through drain pan to force pump to activate twice.
6. Reassemble unit and return it to operational status.

### Coil:

If necessary, clean your coils with a vacuum or approved coil cleaner.

## 7 Storing your dehumidifier

If the unit will be stored for an extended period of time:

1. Turn unit off and allow to dry.
2. Manually drain pump reservoir.
3. Wrap and secure the power cord .
4. Clean the filter mesh.
5. Store in clean, dry environment.

## 8 Troubleshooting

Trouble	Cause	Solution
Machine won't work/Display is blank	Display blank. Power outage or poor connection.	Check power supply. Check both ends of power cord for good connection.
	Room temperature outside unit operating range. HI or LO error	Modify room conditions in between 33 and 100 °F.
Cannot start the dehumidifier	Filter mesh is clogged.	Clean the filter.
	Air inlet or outlet jammed.	Clear the blockage from air inlet or air outlet.
No airflow	Filter mesh jammed.	Clear the filter.
	Unit is not level.	Place unit on flat surface in vertical orientation.
Loud/unusual noise	Pump dislodged.	Reassemble pump as necessary.
Trouble code: E1	Humidity sensor or communication error.	Check sensor cable is properly connected. Replace the sensor.
Trouble code: E4	Pump detected high water in reservoir (See notes below)	Check for clogged drain lines. Check pump working properly, service pump. Replace pump.
Trouble code: LO	Unit is sensing room temperature below 33 °F	Increase room temperature. Check sensor. Check sensor cable.
Trouble code: HI	Unit is sensing room temperature above 100 °F	Decrease room temperature. Check sensor. Check sensor cable.
Trouble code: E1, LO, HI	Shows E1, LO, HI at the same time indicates a bad connection, cable or sensor	Check cable connection. Replace cable. Replace sensor.

### Pump alarm-error code E4

#### If a pump alarm is provided on display:

1. Clear error code by disconnecting power cord and then reconnecting.  
**Note:** Unit will not function until error code has been cleared.
2. Manually check to see if pump is operational. Press pump button (P) and see if pump energizes and de-energizes properly and if any water is purged from system. If you haven't cleaned the system recently, check discharge line for obstruction and clean balance of pump system per instruction above.
3. Replace hoses and or pump if maintenance alone is not sufficient.