3、Defrost Method

Defrosting Method	Description	
Automatic Defrost	Sensor is normal	Conditions: When the compressor runs continuously for 30 minutes and the coil temperature is ≦ 30°F, it enters defrost mode. During defrost, the compressor stops and the fan continues to run
Timed Defrost	**In defrost mode, the system defrosts for 8 minutes. After the time is up, it exits defrost mode.**	

4、Timer Switch Instructions

● In the on state, a shutdown timer can be set. In the off state, a startup timer can be set. Setting both simultaneously enters a cyclic timer state.

● **Timer Startup Setting:** In the off state, press the “mode” button. The “timer on” icon flashes, and the time display area flashes the set time. Adjust the time with “+” or “-”. The buzzer beeps once for each press. Holding the button for 2 seconds allows continuous adjustment. After 10 seconds without operation, the machine accepts the setting, and the “timer on” icon flashes (range 0～24H).

● **Timer Shutdown Setting:** In the on state, press the “Mode” button. The “timer off” icon flashes, and the time display area flashes the set time. Adjust the time with “+” or “-”. The buzzer beeps once for each press. Holding the button for 2 seconds allows continuous adjustment. After 10 seconds without operation, the machine accepts the setting, and the “timer off” icon flashes (range 0～24H).

Precautions Troubleshooting

If the dehumidifier malfunctions, immediately cut off the power and check the following items:

Malfunction	Cause	Solution
Machine won’ t run	No power display	Power outage or socket without power
	Power plug not inserted properly	Insert the power plug into the socket
	Fuse on control board blown	Replace the fuse
	Transformer on conteol board damaged	Replace the transformer
	Power display	Environment humidity lower than set humidity
	Entire machine is defrosting	Wait for defrost to finish
Poor dehumidification	Inlet/outlet is obstructed	Remove obstruction
	Windows are open	Close doors and windows
	Room temperature is too low	Do not use
Noise	Uneven ground	Reposition the machine
	Machine not placed stably	Reposition stably
Water leakage	Machine is tilted	Level the machine
	Drain pipe/drain outlet blocked	Remove front panel and clean blockage

Error Codes

Malfunction	Cause Analysis	Solution
Machine won't run	No power display	
	Power outage or socket without power	Check if the power is normal
	Power plug not inserted properly	Insert the power plug into the socket
	Fuse on control board blown	Replace the fuse
	Transformer on control board damaged	Replace the transformer
	Power display	
	Environment humidity lower than set humidity	Reset as needed
	Entire machine is defrosting	Wait for defrost to finish
Poor dehumidification	Inlet/outlet is obstructed	Remove obstruction
	Windows are open	Close doors and windows
	Room temperature is too low	Do not use
Noise	Uneven ground	Reposition the machine
	Machine not placed s tably	Reposition stably
Water leakage	Machine is tilted	Level the machine
	Drain pipe/drain outlet blocked	Remove front panel and clean blockage
E1	Coil sensor fault Temperature sensor fault	Switch to timed defrost, cancel system fault function, recoverable
E2	Temperature sensor fault	Replace temperature sensor
E3	Humidity sensor fault	Replace humidity sensor

1.If the above checks do not resolve the issue, contact sean@edendirect-brand.com or dealer directly. Do not disassemble the machine yourself.
2.During operation, the sound of refrigerant circulating is normal. The exhaust air outlet discharges warm air, causing a 34-37°F increase in room temperature, which is normal.
3.When moving, do not tilt the machine more than 45 degrees to prevent compressor damage.
4.The machine operates at 41-95°F.
5.When the room temperature is below 50°F and absolute humidity is very low, using the dehumidifier may not be necessary.
6. Keep the air inlet and outlet at least 1 meter away from walls or obstructions to avoid affecting the dehumidification effect.
7.Dust accumulation on the air filter will affect dehumidification and may cause malfunctions. Clean it regularly, at least once a month. In dusty environments, clean weekly or even daily. Gently tap the filter or use a vacuum cleaner to remove dust. For severe dust, rinse with water and dry before reinstalling.
8. If there is a fault code during the operation of the machine, please shut down and stop running. Immediately report to the after-sales staff for repair
9. Continuous 24-hour operation of the machine will affect its service life. It is recommended to stop the machine for 2 hours after every 10 hours of operation. If the user has special requirements, the machine must be operated 24 hours a day and must be supervised by dedicated personnel. Otherwise, in case of accidents, our company will not be held responsible.

Special Reminder

Safety Precautions

1.Humidity sensors are precision components that can cause sensor failure when used in environments with strong corrosive gases and large dust.
2. This machine does not have explosion-proof function and is strictly prohibited from use in environments with special requirements such as flammable, explosive gases, dust, chemical products, and biological products.
3. If used in the above environment, causing damage to the machine is not covered by the warranty.
4. When installing this machine, be sure to take grounding protection measures to ensure safe use.
5. After running the machine for a period of time, water will be discharged. Please pay attention to the treatment of drainage.
6.To reduce malfunctions and extend service life, do not use brute force when operating buttons.

7. The humidity sensor may deviate slightly from the actual humidity due to its location, environment, and temperature, which is a normal phenomenon.
8.During machine operation, the cooled air will be discharged through the condenser after drying, and the outlet temperature is higher than the ambient temperature. It is normal to discharge hot air.
9. The dehumidification capacity is related to the ambient temperature and humidity. High temperature and humidity result in a large dehumidification capacity; Under low temperature or low humidity conditions, the dehumidification capacity will decrease, which is a normal phenomenon.

Specifications

Specification Table:

MODEL	AP60-2301
Power Supply	AC 115V/60Hz
Rated Power (86°F 80% RH)	860 W
Rated Current (86°F 80% RH)	8 A
Low Side Pressure	290psig
High Side Pressure	650psig
Refrigerant:	R32/(9.17oz)(260g)
Motor Compressor	RLA:5.52A ;LRA:27A
Product size	19.92*18.74*24.41 in
Gross weight	70.5 lb
Applicable temperature	41-95°F