

OWNER'S MANUAL

READ THIS MANUAL CAREFULLY BEFORE OPERATING



LGR165L

IMPORTANT: After unpacking (or accidental tip-over) allow dehumidifier to stand upright for 20 minutes before starting

1. Important Instructions

Before installing and using your dehumidifier, please read this owner's manual carefully. Store this manual in a safe place for future reference.

The use of electrical products may create hazards that include, but are not limited to injury, fire, electric shock. Failure to follow these instructions may damage and/or impair its operation and void the warranty.

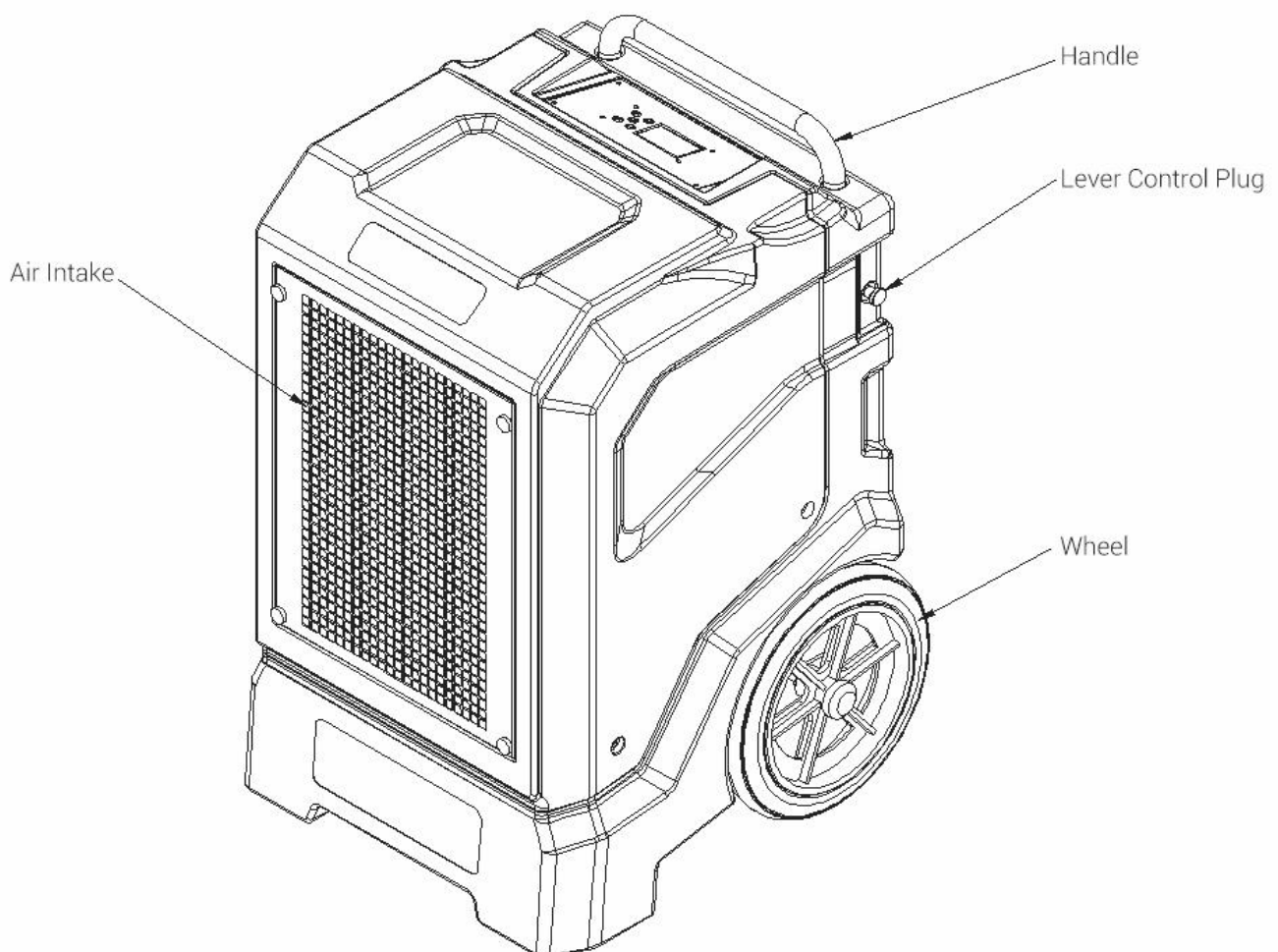
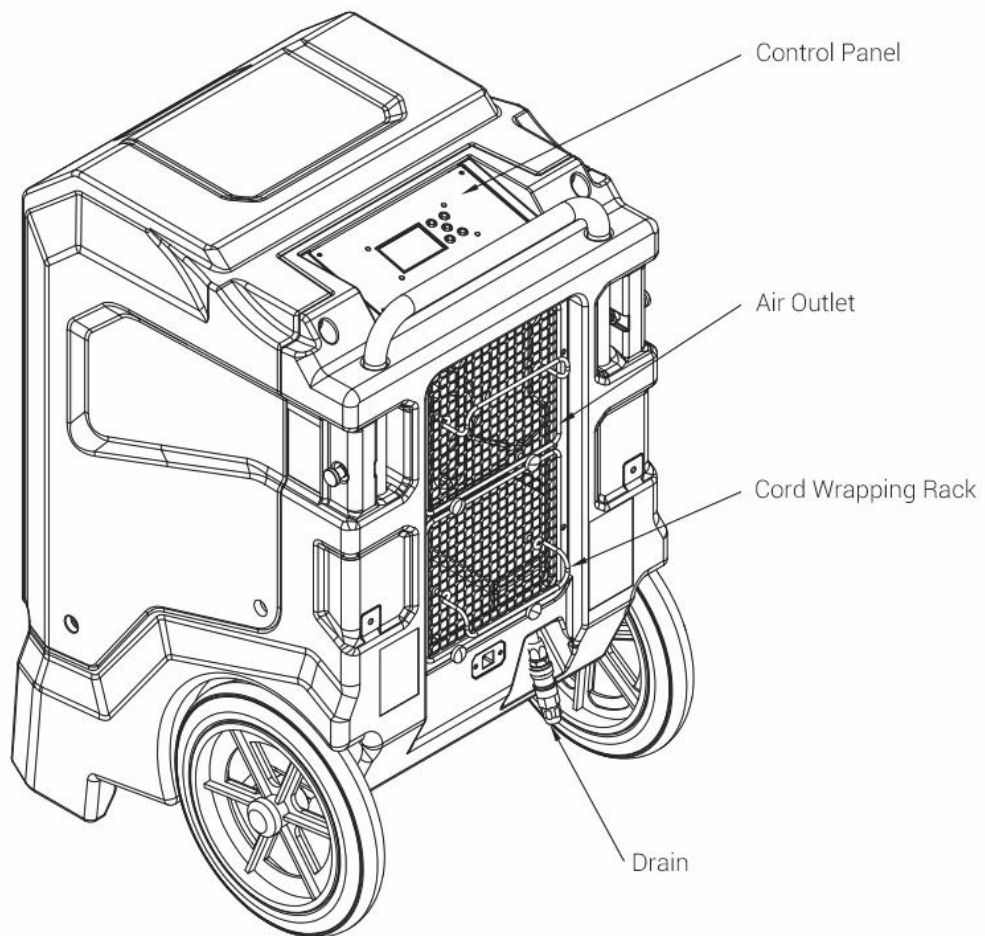
Safety Tips

- Before operating, remove all packaging material and check for any damage that may have occurred during shipping or any missing items.
- Check household power supply to ensure it matches the specification of appliance.
- Always place the unit on a level surface.
- NEVER use or store gasoline or other flammable vapor or liquid near this unit unless instructed by this manual.
- **DO NOT** lay power cord under carpeting. **DO NOT** cover cord with throw rugs, runners, or similar coverings. **DO NOT** route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- To reduce the risk of fire or electric shock, **DO NOT** use this appliance with any solid-state speed control devices.
- **DO NOT** touch this appliance or the plug with wet hands or while standing in water.
- Maintain a 12-18inch clearance space around this unit. **DO NOT** block or cover air inlet or outlet grilles.
- The unit must be connected to a correctly grounded power supply.
- **DO NOT** start or stop the unit by inserting or pulling out the power plug.
- **DO NOT** use an adapter plug or extension cord.
- **DO NOT** use the unit in the immediate surroundings of a bath, a shower or a swimming pool.
- **DO NOT** insert anything into the air outlet. **DO NOT** obstruct air inlet or outlet grills unless instructed by this manual.
- **DO NOT** direct the air flow at human faces or bodies.
- **DO NOT** let children play near this unit.
- Always inspect the cord for signs of damage before use. If the power cord is damaged, it must be replaced by the manufacturer or a qualified service technician.
- **DO NOT** attempt to repair or adjust any electrical or mechanical functions of this appliance, as this may cause danger and void the warranty.
- If the appliance is damaged or it malfunctions, **DO NOT** continue to use it. Unplug the product and refer to troubleshooting guide or contact the seller.
- Make sure the unit is turned off and unplugged before cleaning or servicing this unit.

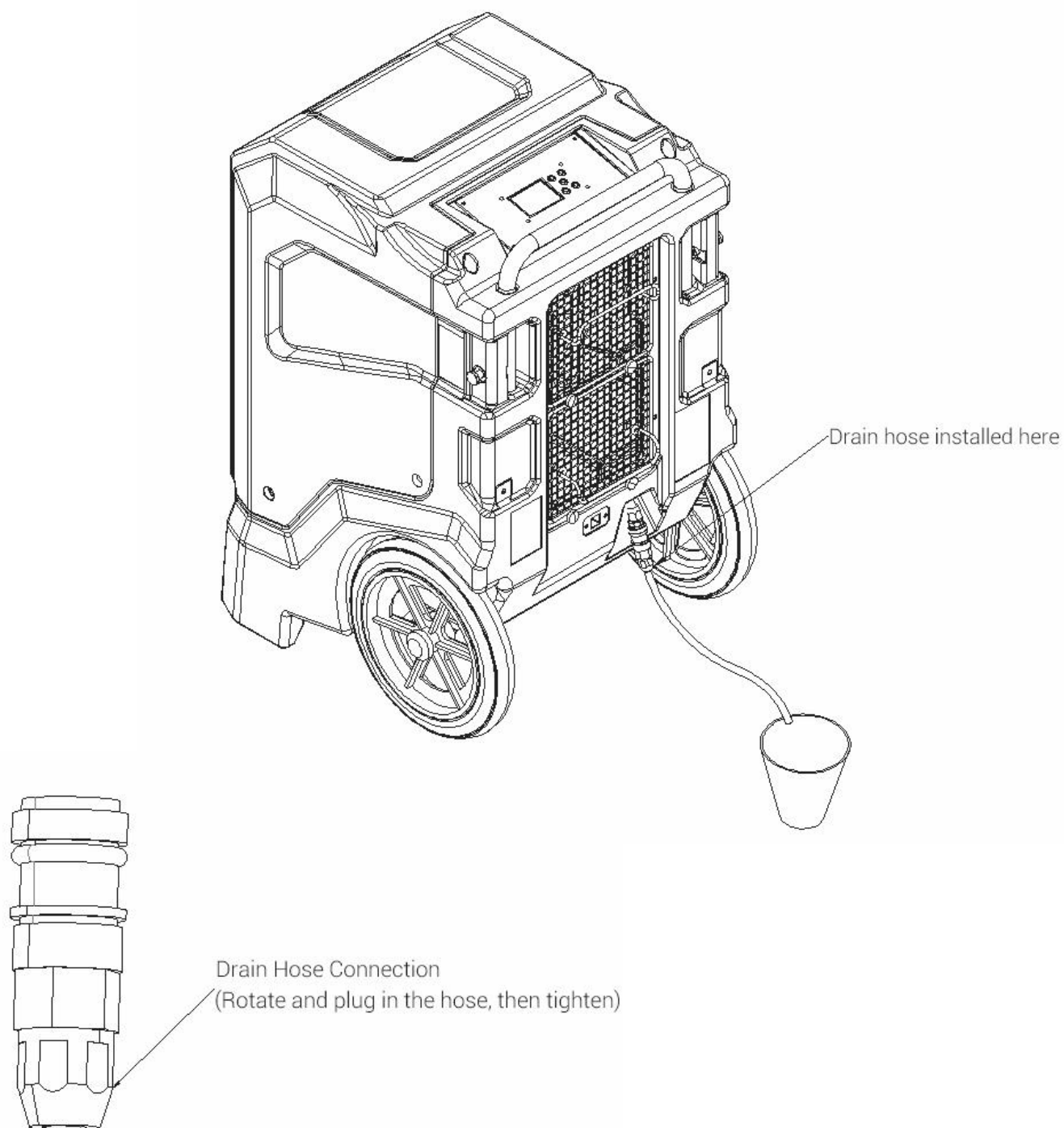
Notice of Operation

- There have **3 minutes** protection wait when the dehumidifier re-start after compressor stopped working.
- The operated temperature is 33-110.°F
- We suggest wash/change the filter once very 3 months. • Clean up the drain hose after operation to avoid hose stuck.
- Install the included drain pipe to the draining nozzle on the machine and direct the hose to the desired area before operating the machine. **Do not** block the drain hose. The end of the drain hose should not be higher than 16-feet above the outlet hole. If the drain hose end is too high, water will not drain properly and could damage the unit.

2.Product Description

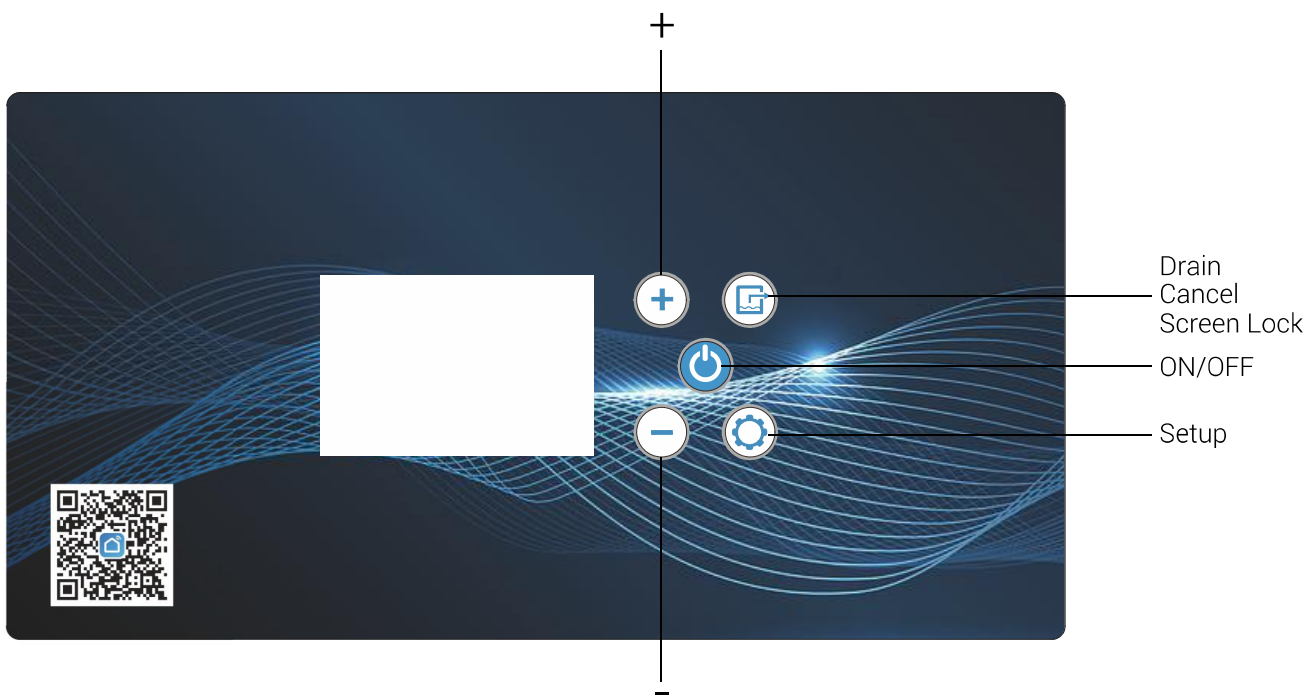
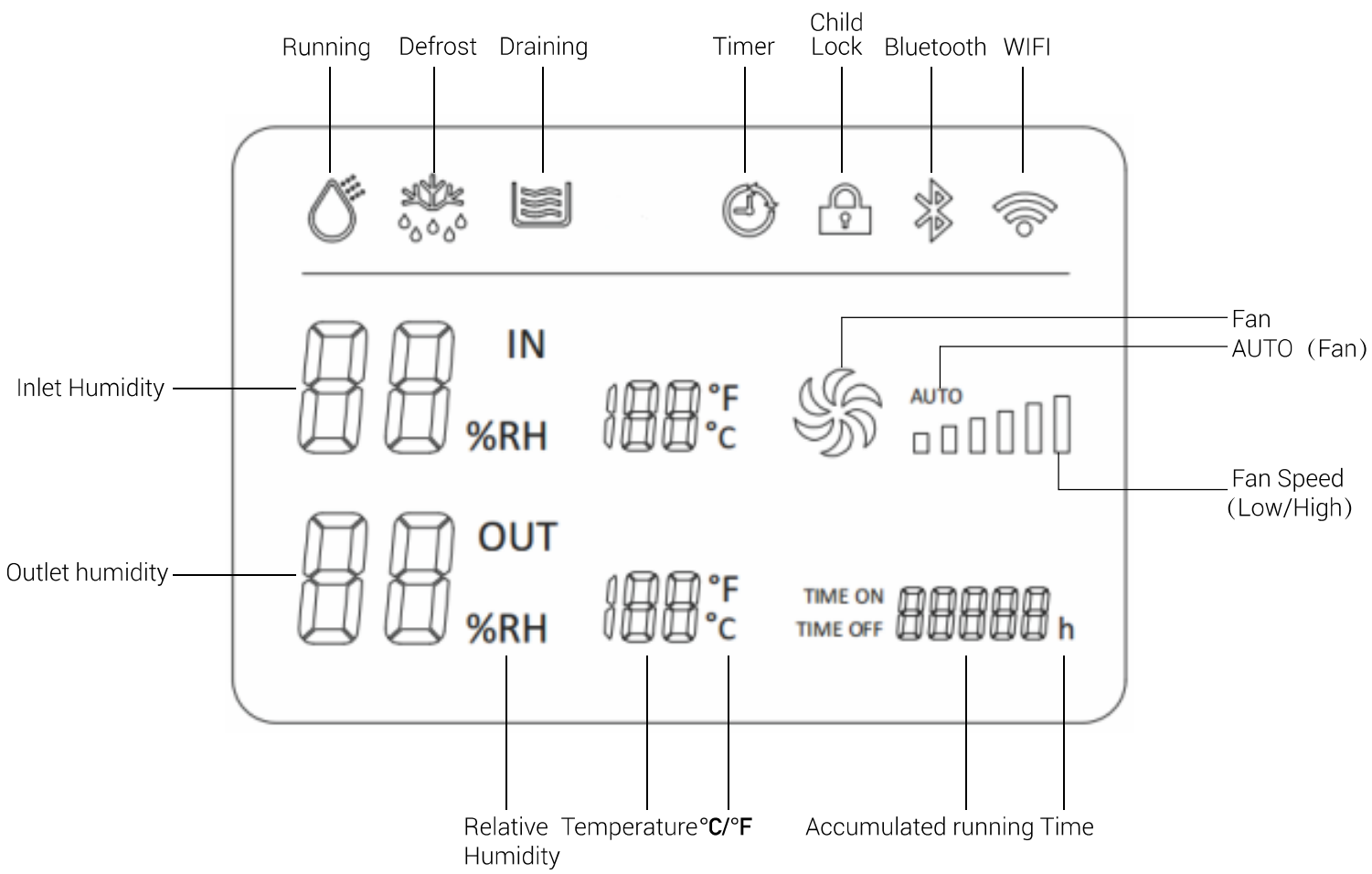


3. Installation Guide



- Connect the drain hose to the machine's drain, making sure the two fittings are securely connected
- The machine's drain outlet is located as shown above
- Use a separate container to collect drain and periodically check for fullness, or run the drain directly to the drain.

4.Control Panel Instructions



5.Button and Icon Descriptions

Buttons



For on/off operation. In the off state, short press this key to turn on, and press it again to turn off.



Used for system function settings. Each short press enters in sequence: wind speed setting->timer setting->temperature scale setting->shutdown drainage->drainage time->device address query/setting->save and exit; long press for 3 seconds to reset the WiFi module.



It is used for one-key drainage and multiplexing cancel and lock screen functions. When setting the timer, it is reused as the "Cancel key". In other states, short press this key once to start the water pump drainage, and long press it for 3 seconds to enter the lock screen state.



Used to set the value increase operation. After entering the corresponding setting, the humidity setting value, timing time and other parameters can be added.



Used for setting value reduction operations. After entering the corresponding setting, the humidity setting value, timing time and other parameters can be reduced and set.

Icon Descriptions



In the off state, short press the "on-off key" to turn it on, the dehumidification function is turned on, and the icon is displayed; press the power off again, the dehumidification function is turned off, and the icon is not displayed.



IN
%RH

By default, it shows the humidity of the actual ambient air intake. When the humidity is adjusted, the set humidity is displayed and flashes. After 3 seconds of adjustment, it will display the dehumidification setting range of 30%~90% again, and the default humidity value is 30% when first powered on. Press the "increase key" or "decrease key" to adjust the set humidity value by 1%, and press and hold for 3 seconds to quickly adjust. 3 seconds of no operation to save and exit the settings. When the set humidity is 30%, press the "decrease key" again to enter the CO continuous dehumidification mode (no matter how much the current humidity is, the compressor will continue to run).



OUT
%RH

It shows the actual humidity when the wind is out.



This icon indicates that the evaporator or ambient temperature is too low and the evaporator may be starting to frost. The machine is now running defrost.



When this icon flashes, the machine is draining water.

1) Automatic drainage

When the system receives the water full signal for ≥ 3 seconds, the compressor and fan keep running, the water full icon flashes (the fault code is not displayed), and the water pump starts to drain for 40 seconds and the water full signal is detected to be eliminated, then it exits the drain. If the water full signal is still not cleared for 60 seconds, the alarm will stop, the fault code and the water full icon will flash.

Button and Icon Descriptions



2) Manual drain

After the power is turned on, except for the lock screen state, in other states, short press this key once to start the water pump to drain for 40 seconds and the water full signal is detected to be eliminated, then exit the water drainage. The fault code and the water full icon flash.



In the power-on state, long press the drain button to enter the lock screen state, and the lock screen icon flashes. Long press the lock screen button or the mobile phone APP to unlock again, other operations are invalid. Long-pressing the lock screen key in the off state has no effect.



When this icon flashes, it means that the machine is in the state of network configuration. When this icon is on, it means the WIFI connection is successful.



When this icon is displayed, the timing function has been set; when this icon is not displayed, the timing function has not been set.

1) Timing setting

After pressing the "set key" to enter the timing setting, press the "increase key" or "decrease key" to adjust the hour position by 1 unit, press and hold for 3 seconds to quickly adjust, and the value 00-23 will change cyclically. After the timer is set on, it will be saved and exited if there is no operation for 3 seconds. If you press the "set button" again within 3 seconds, it will enter the next level of setting.

TIME ON: 0000 h
TIME OFF: 0000 h

TIME ON: 0000 h
TIME OFF: 0000 h

2) Timer off setting

After pressing the "set key" to enter the timer off setting, the operation method is the same as the timer on setting.

3) Cancel timing

The timed on/off setting is automatically canceled after being executed once, and does not execute circularly, and the timed on/off time becomes 00. When the timer is on or off, short press the "Cancel button (drain button)" to cancel the timer setting, and the current time becomes 00.

AUTO
□ □ □ □ □

Press the "set key" to enter the fan speed setting state, press the "increase key" or "decrease key" within 3 seconds to adjust the wind speed, and cycle between automatic-manual low-speed-manual high-speed. If there is no operation for 3 seconds, it will save and exit the setting, and press the "setting key" again within 3 seconds to enter the next level of setting. In the initial state, the default wind speed of the system is AUTO (automatically matches the wind speed gear according to the working conditions).

• Temperature scale display

1) Inlet air temperature

It shows the current inlet air temperature.

2) Outlet air temperature

It shows the current outlet air temperature.

3) Temperature scale setting

Press the "set key" to enter the temperature scale setting, short press the "increase key" or "decrease key" within 3 seconds to adjust the temperature scale, and cycle between degrees Celsius and degrees Fahrenheit. If there is no operation for 3 seconds or press the "set key" again to save and exit the setting (initial state, the default temperature scale of the system is degrees Celsius).

18.8°C

TIME ON: 0000 h
TIME OFF: 0000 h

The dehumidifier starts timing when it is turned on, and stops timing after manual/timed shutdown (fault/abnormal shutdown keeps timing). The timing unit is hours, and the value increases by 1 after 60 minutes. The time of power off and restart is not reset.

The number of timing digits is 5, and the maximum timing is 99999 hours (return to zero).

6. System functions

Power-on automatic detection

After power-on, all displays, indications, and backlights will light up for 2 seconds, and the buzzer will beep briefly. At the same time, the system will conduct self-checks on communications and sensors, and the system will enter the shutdown state when the detection is normal. The device fault alarm three times.

Compressor protection for three minutes

After the compressor is stopped, it must wait 3 minutes before starting again.

After the compressor is started, it must run for 3 minutes before it can be shut down. If it is a manual shutdown, it will be shut down immediately.

When the power is turned on for the first time, there is no 3-minute delay protection when the compressor starts.

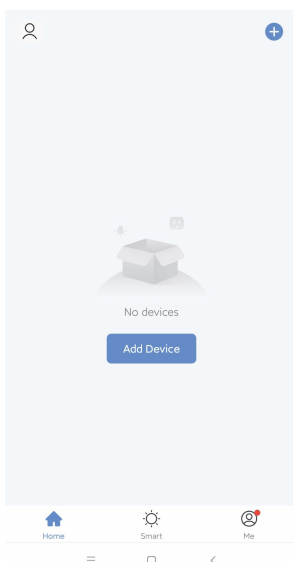
Power-down memory function

The system has a power-down memory function, which saves settings about humidity, timing on/off time, fan speed, and temperature scale, and saves timing data.

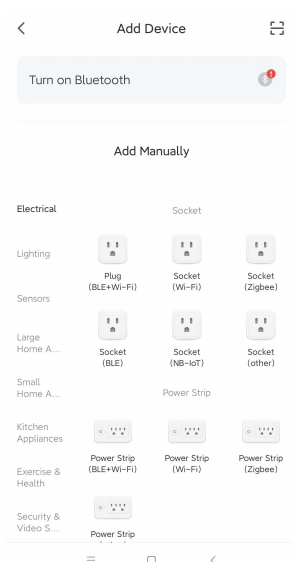
APP Control



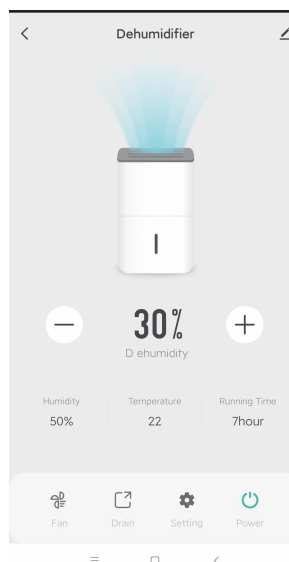
- (1) Scan the QR code (below) on your mobile phone to download the "Smart Life" APP.
- (2) Press and hold the setting button on the machine control panel  for 3 seconds to reset the WIFI module.
- (3) Turn on the Bluetooth of your mobile phone and open the "Smart Life" APP.
- (4) Click "Add Device" in the APP (Figure 1).
- (5) The phone will automatically search for nearby devices, and after discovering the device, click "Add" (Figure 2).
- (6) Enter the WIFI density and display "Added successfully", you can use the mobile phone to control the device (Figure 3).



(Figure 1)



(Figure 2)



(Figure 3)

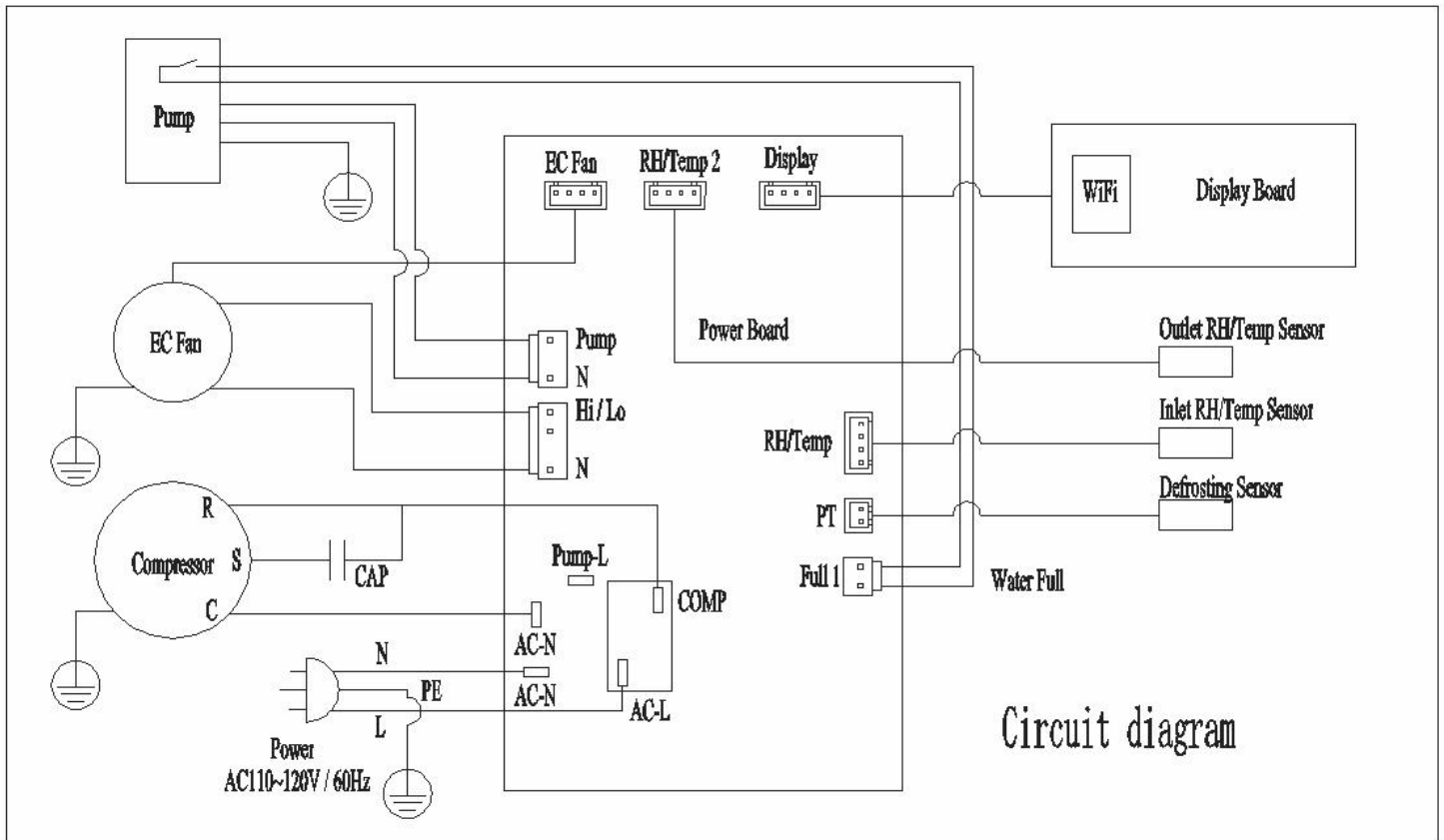


·APP download·

7.Product Parameter Table

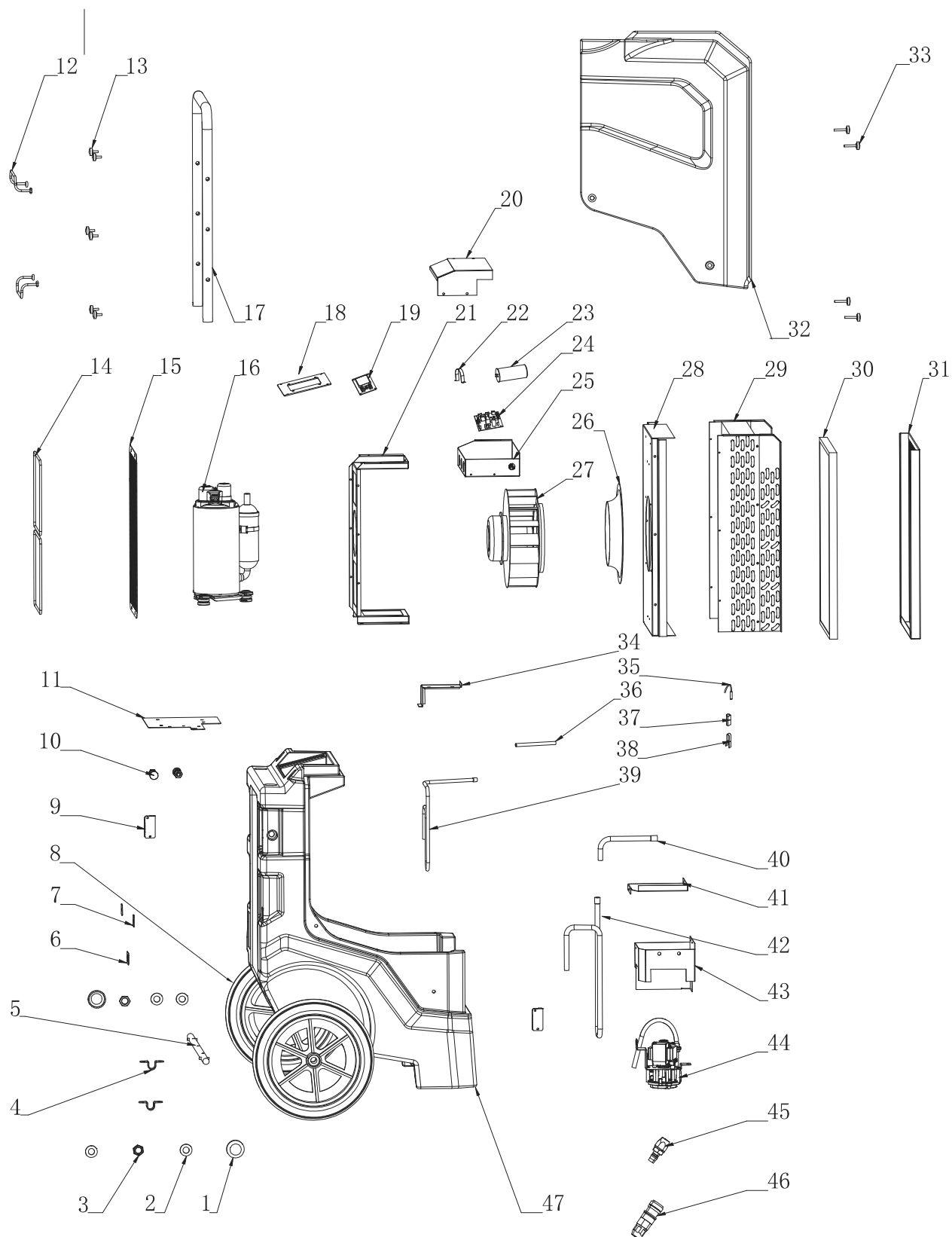
Model	LGR165L
Power Supply	115V/60Hz
Rated Input Current	9.8A
Rated Input Power	1085W
The Air Volume	516CFM
Dehumidification Capacity (80°F / 60% RH)	165PPD
Dehumidification Capacity (104°F/ 20% RH)	19PPD
Filter	304SUS
Power plug length	24.9ft
Water pipe length	20ft
Net weight	126lbs
Unit Size	22.04'×21.6'×33.16'
Refrigerant/Charge (OZ)	R410A/45.9oz

8. Wiring Diagrams and Fault Codes



Code	Description	Solution
E0	Communication Fault	Alarm Stop
E1	Humidity Sensor A Failure	Automatically switch to continuous dehumidification mode without stopping
E2	Temperature Sensor A Failure	Only report the fault, do not deal with it
E3	Water Full Alarm/Fault	Downtime
E4	Coil Temperature Sensor A Failure	Downtime
E9	Fan A Failure	Downtime
E11	Humidity Sensor B Failure (Eb)	No downtime, no processing, only display faults
E12	Temperature Sensor B Fault (EC)	No downtime, no processing, only display faults

9.Exploded



10.Exploded Checklist

NO.	Part Description	Quantity
1	Dust Cover	2
2	M16 Flat Pad	4
3	M16 Lock Nut	2
4	Axle U-Shaped Fixings	2
5	Axle	1
6	Power Cord Fixing Plate	1
7	Velcro Cover	2
8	Wheel	2
9	Temperature And humidity Sensor	2
10	Rotary Plunger	2
11	Compressor Base Plate	1
12	Reel	2
13	Hand Nut	6
14	Steel Ring	2
15	Air Outlet Panel	1
16	Compressor	1
17	Handle	1
18	Display Panel Components	1
19	K20 Display Board	1
20	Electrical Box Cover	1
21	Fan Bracket	1
22	Capacitor Hoop	1
23	Compressor Capacitor	1
24	K30 Power Board	1

NO.	Part Description	Quantity
25	Electrical Box	1
26	Wind Guide	1
27	Fan	1
28	Middle Plate	1
29	Heat Exchanger Components	1
30	Filter	1
31	Air Intake Grille	1
32	Upper Shell	1
33	M5 Hand Screw Nut	1
34	Sink Cover	1
35	Defrost Sensor	1
36	Exhaust Pipe 2	1
37	Temperature Sensing Head Casing	1
38	Temperature Sensing Head Casing Circlip	1
39	Exhaust Pipe 1	1
40	Return Trachea 1	1
41	Water Pump Cover 2	1
42	Return Trachea 2	1
43	Water Pump Cover 1 Component	1
44	Water Pump	1
45	Plastic Quick Connector Male	1
46	Plastic Quick Connector Female	1
47	Lower Shell	1

Thank you for selecting our dehumidifier

***Note: All design and specifications herein are subject to
change without notice for product improvement.***