

Abnormal noise	1.The machine is not placed solidly 2.The filter mesh is blocked	1. Place the machine firmly. 2. Clear the filter mesh.
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1.Where the above troubles cannot be fixed and repair is needed, please contact supplier or distributor. Do not disassemble without authorization.

2.When the dehumidifier is in operation or stops, voice of circulating of refrigerating can be heard. Such phenomenon is normal.

3.It is normal for the air outlet to drain hot air.

### VII. Instruction on Code of Failure

This dehumidifier is able to automatically judge failure. If there is any failure, there will be failure code displayed on the humidity display window.

Fault code	Failure type	Reasons	Fault display	Solution
E1	Coil temperature sensor failure	Coil temperature sensor is loose or broken	The display shows E1, the machine runs as usual, and the defrost runs according to the timed defrost (the press runs for 30 minutes to defrost once, and the defrost once for 15 minutes)	1.Plug in the sensor cable 2.Replace the sensor
E2、 E5	Temperature and humidity sensor failure	The temperature and humidity sensor is loose or broken	The display shows E2 and E5, and the machine automatically switches to the continuous operation mode, cancels the system protection function and the room temperature ultra-high detection function	1.Plug in the sensor cable 2.Replace the sensor
E7	Room temperature over heat protection	The indoor temperature sensor detects that the temperature is greater than or equal to the set value of the ambient temperature for 1 minute continuously	The display shows E7, the compressor stops running, and the fan continues to run	The indoor temperature sensor detects that the temperature is lower than the ambient temperature for 1 minute continuously (set value -2)
The display shows that the water is full	Water full protection	Full water disconnect	The display shows that the water is full, and the machine automatically shuts down	Empty water storage and resume normal work

# Instruction Manual

## Dehumidifiers Series



## KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE

**Thank you for choosing our dehumidifier. This owner's manual will provide you with valuable information necessary for the proper care and maintenance of your new dehumidifier. Please take a few moments to read the instructions thoroughly and familiarize with all the operational aspects of this dehumidifier.**

**This unit removes excessive moisture from the air to create a more comfortable environment in your home or office. It can be conveniently moved from room to room within your premises.**

### I. Important Notices for Safety

Before application, please read all the instructions.

Before application, please confirm that the power supply is 220V/50Hz or 380V/50Hz.

Do not stop operation of the dehumidifier by pulling out the power cord.

Be careful with movement of dehumidifier and avoid rolling on and damaging the wire.

Do not put hands or stick-shape object to the grid.

Do not allow kids to climb, stand or sit on the dehumidifier.

Disconnect the power cord before cleaning and repair.

Please use appropriate power supply switch, do not use plug and ensure safe earthing.

Do not operate in closed and narrow room.

Please keep this manual safety.

Note: We advice that any repair should be carried out by professionals.

### III. Operation Instruction

2. Temperature for operation of this machine is 5-35°C.

3. When it is operating, the compressor gives off heat when it works, and ambient temperature may rise by 1-3°C. Such phenomenon is normal and is safe to use.

4. When ambient temperature is below 10°C and absolute humidity is relatively low, there is no need to use dehumidifier.

5. The air inlet and outlet must be away from the wall for at least 10cm in order not to impair the dehumidification effect.

6. Working environment shall be as airproof as possible to maximize dehumidification on effect.

7. Dust on the air purification filter mesh may impair its effect or even cause failure. Please clear regularly for at least once a month. If there is much dust in the environment, it must be cleared once a week or once a day. Pull down the front panel, clear the filter mesh. Tap the filter mesh slightly or eliminate the dust by vacuum cleaner or place the mesh in warm water ( $\leq 40^{\circ}\text{C}$  and add appropriate neutral scour) and brush and then wash with clear water and dry it. Direct sunlight or baking shall be avoided to prevent deformation.

### VI. Common Troubleshooting

Failure	Cause analysis	Method
Dehumidifier cannot work	1.Power cut 2.Power switch is not energized 3.Power cord is not connected 4.Fuse is melted	1.Recover the power 2.Energize the power 3.Connect the power cord 4.Replace the fuse
Dehumidification is not ideal	1.Dust accumulated in air purification filter mesh 2.Object blocking air inlet and outlet 3.The door or window is open 4.Refrigerant is leaking	1.Clear the filter mesh 2.Remove the blocking object 3.Close the door and window 4.Contact with distributor or manufacturer for repair
Water leak	1.The machine is inclined 2.Water pipe is blocked	1.Level the machine 2.Remove the blocking object

If the machine is spared for a long time, please unload the power cord.  
When clearing the machine, stop it first and unload the power cord.  
Otherwise, human injury may be caused.

During continuous drainage, please place the drain pipe appropriately for smooth drainage.  
If there is any possibility that temperature around pipe may result in icing, continuous water drain is not allowed.

Do not repair, disassemble or alternate the machine without authorization so as to avoid fire or electric shock accidents;  
Please place the machine in firm places;

If the machine falls down, the water in water tank may leak out and damages stuff around and results in creepage and cause fire or electric shock accidents;  
Knacks to extend the service life of air purification filter mesh:  
If to be spared for a long time, keep the air purification filter mesh in plastic bag and save hermetically.

Do not use dehumidifier in places that may be exposed to water.  
There may be creepage if there is water and result in fire or electric shock.  
Please use proper switch.  
Otherwise, fire or electric shock accidents may be caused.

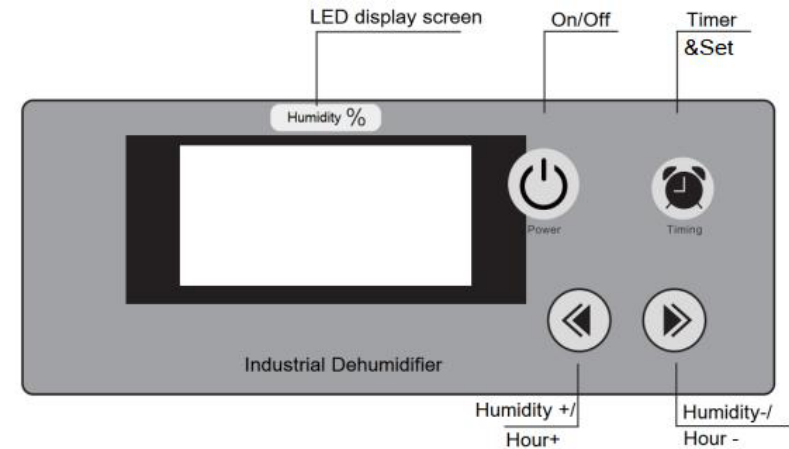
Do not damage or alternate the power cord.

Do not place heavy things on power cord or heat up or pull forcefully the power cord, otherwise power cord may be damaged and causes fire or electric shock accidents.  
Please connect the power cord firmly with the switch.  
If the power cord is loose, there may be risk of electric shock.

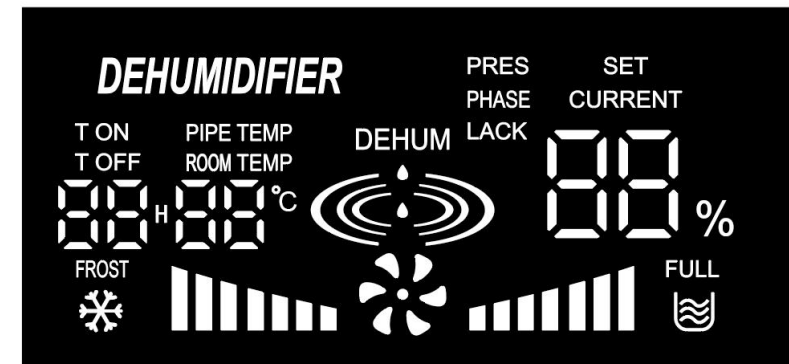
Do not stop operation of dehumidifier by pulling out the power cord.  
Otherwise fire or electric shock accident may be caused.

## V. Operation Notices

1. When moving the machine, do not incline the machine for over 45° to avoid damaging the compressor.



LCD display screen



## Button Function

1. "Power" / "ON/OFF" button  
Press this button to start the machine, it enters start-up mode after the buzzer buzzes twice  
Press this button to stop the machine, it enters stop mode after the buzzer buzzes once
2. "Timer&Set" button  
Press this button for once, and it enters the mode of RH setting;  
Press this button for successively twice, it enters the mode of Auto-on setting;  
Press this button for successively three times, it enters the mode of Auto-off

setting;

Press this button for successively four times, it enters the mode of defrosting time setting.

Press this button for successively five times, it back to original interface;

3. "+" button;

Press it directly, to increase the RH level; 1%/time;

While Auto-on/off setting model, press it to increase numbers of "Hour"

4. "-" button;

Press it directly, to deduct the RH level; 1%/time;

While Auto-on/off setting model, press it to small the numbers of "Hour"

#### **Notices:**

1. If the set humidity is higher than the actual humidity, the dehumidifier stops working;

2. During dehumidification, after the compressor starts working, the fan and compressor can only be stopped after working for at least 3 minutes; the compressor can only be re-started 3 minutes after stops;

3. If works under low temperature, the dehumidifier may judge the system temperature automatically and defrosts automatically; when defrosting, the indicator of defrosting is light, the fan works and compressor stops working.

4. The system has auto memory. When all the mode setting has been finished, if there is sudden power cut during operation, or the power jack slips out, the system may store the current status before the power is cut and enter the operation mode before power cut automatically after power is supplied;

5. Range for humidity is 20% -90%;

6. If the dehumidifier is going to be spared for a long time, please unload the power cord or cut the power.

7. RYCF-7S to RYCF-50S adopt power of 380V/50Hz with phase sequence and open phase protection. When the external three phase power is not

corresponding to the phase sequence required by the machine, or when there is open phase, all the buttons on the control panel do not work. Humidity display shows "E3".In this phase, please check the phase sequence of power or check the power and restart the machine.

8. Auto detection of temperature /humidity failure.

a. When the system detects that temperature sensor exceeds the limited range, the system enters mode of temperature sensor failure. Under this mode, LCD displays temperature failure code"E1",the system works in circle of dehumidification for 30minutes and defrosting for 15 minutes;

b. When the system detects that humidity sensor exceeds the limited range, the system enters mode of humidity sensor failure. Under this mode, LCD displays humidity failure code"E2"and the system enters continuous dehumidification.

c. After temperature /humidity sensor failure is limited, the system works normally.

#### **IV. Operation Safety and Maintenance**

Do not connect relay, extension cord or adaptor with this machine. Otherwise, fire, electric shock and heating can be caused.

Do not place it near to equipments give heat such as furnace and heater. Otherwise, the resin may be melted and causes fire.

Do not use this dehumidifier in places with direct sunlight or exposed to wind and rain.

This machine is for indoor use only.

When there is any abnormality (smell of burnt), please shut off the machine and unload the power cord.

Otherwise, fire, electric shock and new failures may be caused.

Do not use this dehumidifier in places exposed to chemicals.

The chemicals and solvent in the air may bring adverse effect to the machine and result in leakage in water tank.