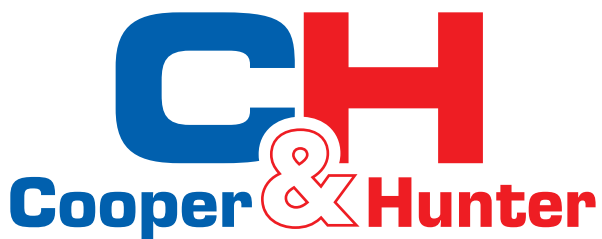


**EN**

# Owner's Manual



## Dehumidifier



**MODEL: CH-D005WD2-12LD  
CH-D008WD2-16LD**

Thank you for choosing our product.  
For proper operation, please read and keep this manual carefully.  
Designed by Cooper&Hunter International Corporation, Oregon, USA  
[www.cooperandhunter.com](http://www.cooperandhunter.com)

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### **Note:**

Graphics in this manual are only for reference. Please refer to actual products for specific details.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

## Explanation of Symbols



**DANGER**

Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



**WARNING**

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



**CAUTION**

Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

**NOTICE**

Indicates important but not hazard-related information, used to indicate risk of property damage.



Indicates a hazard that would be assigned a signal word **WARNING** or **CAUTION**.

## Exception Clauses

**Manufacturer will bear no responsibilities when personal injury or property loss is caused by the following reasons.**

1. Damage the product due to improper use or misuse of the product;
2. Alter, change, maintain or use the product with other equipment without abiding by the instruction manual of manufacturer;
3. After verification, the defect of product is directly caused by corrosive gas;
4. After verification, defects are due to improper operation during transportation of product;
5. Operate, repair, maintain the unit without abiding by instruction manual or related regulations;
6. After verification, the problem or dispute is caused by the quality specification or performance of parts and components that produced by other manufacturers;
7. The damage is caused by natural calamities, bad using environment or force majeure.



Appliance filled with flammable gas R290.



Before install and use the appliance, read the owner's manual first.



Before install the appliance, read the installation manual first.



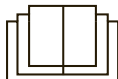
Before repair the appliance, read the service manual first.

## The Refrigerant

- To realize the function of the air conditioner unit, a special refrigerant circulates in the system. The used refrigerant is the fluoride R290, which is specially cleaned. The refrigerant is flammable and inodorous. Furthermore, it can lead to explosion under certain conditions.
- Compared to common refrigerants, R290 is a nonpolluting refrigerant with no harm to the ozone layer. The influence upon the greenhouse effect is also lower. R290 has got very good thermodynamic features which lead to a really high energy efficiency. The units therefore need a less filling.
- Please refer to the nameplate for the charging quantity of R290.

### WARNING :

- Appliance filled with flammable gas R290.
- Appliance shall be installed, operated and stored in a room with a floor area larger than 4 m<sup>2</sup>.
- The appliance shall be stored in a room without continuously operating ignition sources . (for example: open flames, an operating gas appliance or an operating electric heater.)
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Keep any required ventilation openings clear of obstruction.
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odour.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Servicing shall be performed only as recommended by the manufacturer.
- Should repair be necessary, contact your nearest authorized Service Centre. Any repairs carried out by unqualified personnel may be dangerous.
- Compliance with national gas regulations shall be observed.
- Read specialist's manual.

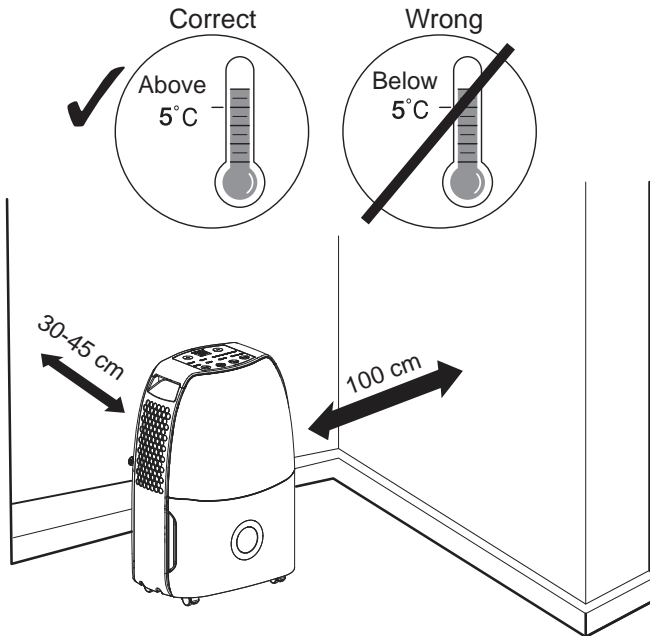


## Safety Precautions

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Before operation, please check the power cord if it complies with the requirement indicated on the nameplate.
- Before cleaning, please turn it off and unplug the dehumidifier.
- Make sure the power cord is not pressed by any hard object.
- Do not remove the power plug or move unit by pulling the power cord.
- Do not use any heating application near the dehumidifier.
- Do not remove the power plug in wet hands.
- Please use grounded power cord and make sure it's well connected and not damaged.
- Children and disabled people are not allowed to use the dehumidifier without supervision.
- Keep children from playing or climbing on the dehumidifier.
- Do not place the dehumidifier under dripping objects.
- Memory function is included in this dehumidifier. When nobody is taking care of the unit, please turn it off and remove the power plug or disconnect power.
- Do not repair or disassemble the unit by yourself.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- If abnormal condition occurs (e.g. burned smell), please disconnect power at once and then contact local dealer.
- Dehumidifier can not be disposed of everywhere. If you want to get rid of this dehumidifier, please check with local handling disposal or information service center about what to do.
- Do not use an extension cord.
- The appliance shall be installed in accordance with national wiring regulations.
- Prohibit operating the unit in the bathroom or laundry room.

## Operation Area

- This dehumidifier is intended for indoor residential applications only. It should not be used for commercial or industrial applications.
- Place the dehumidifier on a smooth and level floor.
- A dehumidifier operating indoors will have no effect in drying an adjacent enclosed area, such as a closet.
- Place the dehumidifier in an area where the temperature will not be below 5°C or above 35°C.
- Allow at least 30-45 cm of air space on all sides of the unit, The place with a draught leaves the distance of the wall as 100 cm.
- Close all doors, windows and other outside openings of the room to improve the working effect.
- Please keep the air inlet/outlet clean and not blocked.
- Do not use a dehumidifier in a bathroom.
- Avoid direct sunlight.

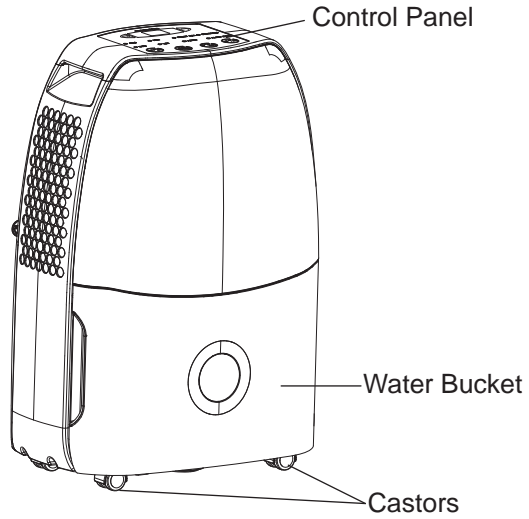


### Note:

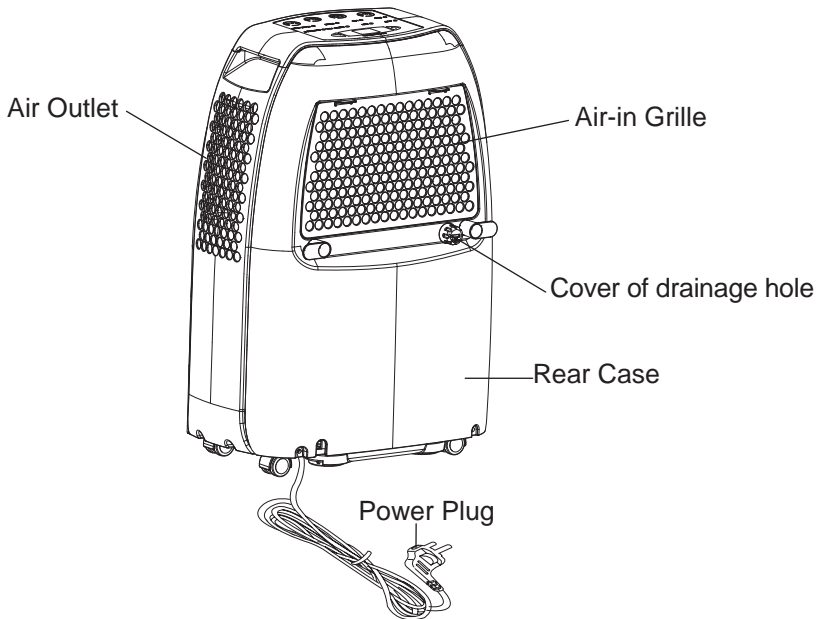
The dehumidifier has rollers to aid placement. Do not attempt to roll the dehumidifier on carpet or over objects. Otherwise, water may spill out from the bucket or the dehumidifier may get stuck by the objects.

# Parts Name

## Front Side



## Back Side

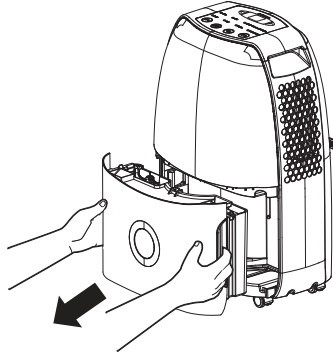


## Check Before Operation

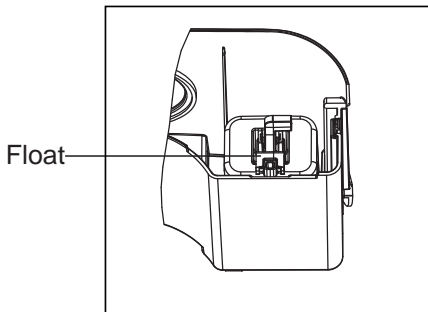
Before operation, please first check whether float is properly placed.

Below are the checking steps:

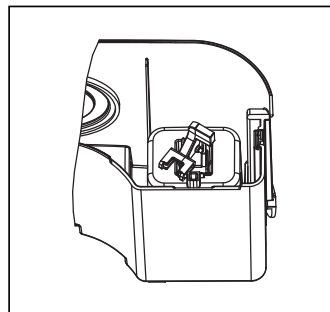
1. Hold the handles on both sides of the water bucket and pull it out following the arrow direction.



2. Check whether float in the water bucket is properly placed. It might have been moved a little after long-time transportation. If it's not placed properly, move it to the correct position by hand.



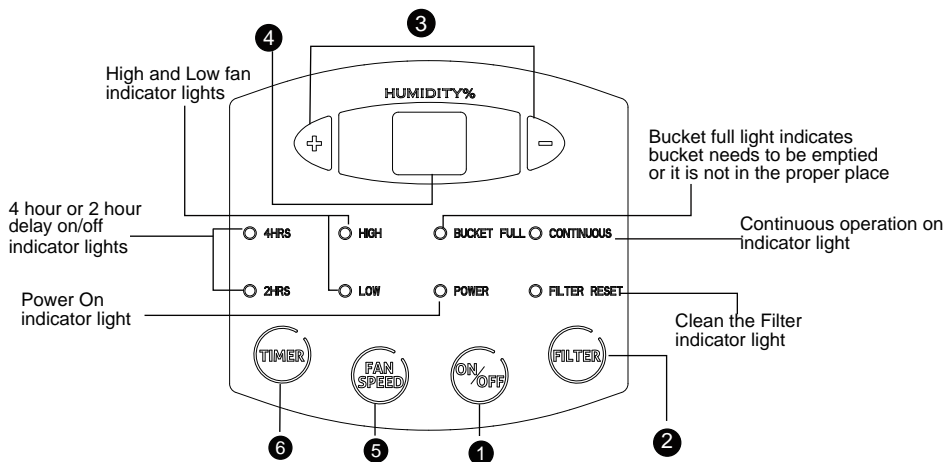
**Correct Position**



**Wrong Position**

3. Replace the bucket as instructed in step 1.

# Operation Method



NOTE: When the bucket is full or removed, the controls cannot be set.

## Basic Functions of the Buttons

### 1 ON/OFF Pad

Press to turn the dehumidifier on and off.

### 2 FILTER Pad

After 250 hours of operation, the Clean the Filter indicator light will glow to remind you to clean the filter. Remove the filter and clean it.

- Press to turn off the Clean the Filter light. See the Care and Cleaning section.

### 3 Humidity Set Control Pads

The humidity level can be set within a range of 80% RH (Relative Humidity) to 35% RH (Relative Humidity) in 5% reduce or at CO for continuous operation.

NOTE: If CO (Continuous) is selected, the dehumidifier will operate continuously at its maximum dehumidification settings if attached to a hose to drain or until the bucket is full.

- For drier air, press the - pad and set to a lower percent value (%).
- For damper air, press the + pad and set to a higher percent value (%).

- When you first use the dehumidifier, set the humidity control to 45% or 50%. Allow at least 24 hours for the dehumidifier to achieve the humidity level. If you still have damper air than desired, set the humidity level to a lower setting or select Continuous for maximum dehumidification. This unit has 3-min lag due to the device for protecting circuit. In order to prolong the compressor's working life, the compressor will not start until the unit has run for 3 minutes.

#### 4 Display

Shows the set % humidity level while setting, then shows the actual room % humidity level.

#### 5 FAN SPEED Pad

Controls the fan speed.

Press to select High or Low fan speed.

Set the fan control to High for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to Low.

#### 6 TIMER Pad

If unit is turned on and running in timer mode for 2hr or 4hr, can turn off the unit.

When unit stand by and running in timer mode for 2hr or 4hr can turn on the unit.

### Other Instructions

#### 1. Alarm Warning

If bucket is full or not locked into place for over 3min, buzzer will go off for 10s to remind you to empty bucket or put it back into the correct place.

#### 2. Auto Stop

When bucket is full, removed or not placed correctly or the humidity is 5% lower than the set humidity, unit will automatically stop.

#### 3. Memory Function

If power is lost, all of the control settings are remembered. So when power is restored, the unit will start back up in the settings it was in when power was lost.

#### 4. Bucket full light

This indicates that bucket is full or removed or not placed correctly.

#### 5. Clean the Filter On indicator light

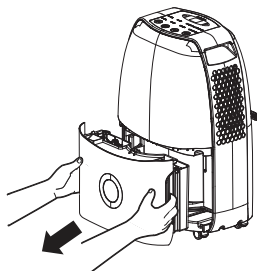
When dehumidifier has been operating for 250 hours, Filter Cleaning Indicator will be lit up to remind user of filter cleaning.

# Drainage Option

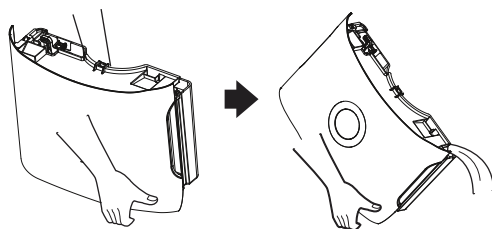
## Option 1 Emptying Manually

### Notes:

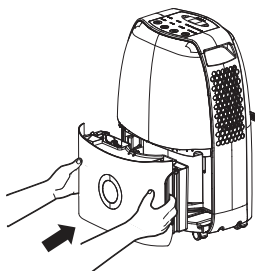
- Do not remove the bucket when unit is in operation or has just stopped. Otherwise it may cause some water to drip on the floor.
  - Do not use the hose if using water bucket to collect water. When the hose is connected, water will be drained out through it instead of into the bucket.
1. Hold the handles on both sides of the water bucket and pull it out following the arrow direction. (Attention: Pull out the bucket carefully in case the water may spill out from the bucket and onto the floor.)



2. Empty the bucket by grasping the handle on the top of bucket with one hand and grasping the bottom of bucket with the other hand.

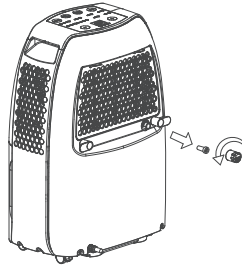


3. Replace bucket in the dehumidifier according to the arrow direction.

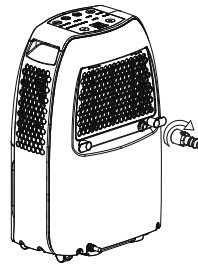


## Option 2 Gravity Drain Hose

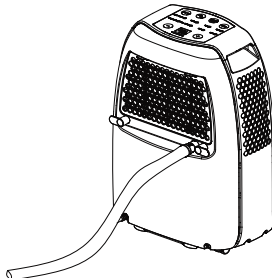
1. Hose is not provided, so user shall prepare it in advance.  
[Size: The hose should have an inner diameter of 14mm]
2. Use a hose. Water can be automatically emptied into a floor drain by attaching 14mm inner diameter hose (not included).
  - 1) Remove the continuous drain cap 1 by turning it counter clockwise then remove the rubber stopper 2 from the spout.



- 2) Screw the drain connector to (included in the package) the spout by turning clockwise.

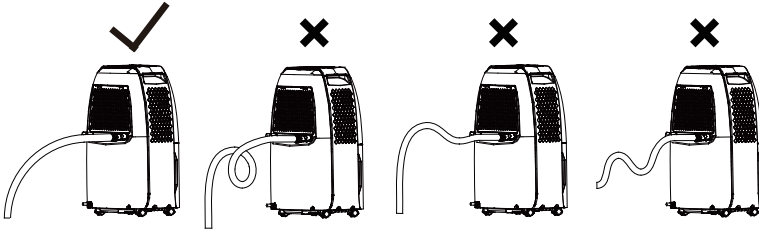


- 3) Insert the drainage hose into drain connector.

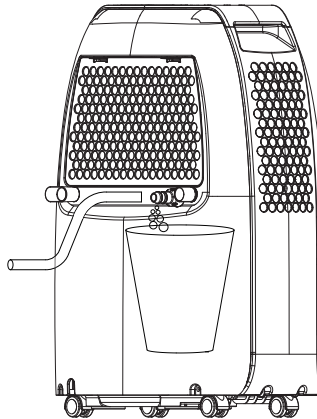


## Option 2 Gravity Drain Hose

3. When using continuous drainage option, place dehumidifier on a level surface and make sure garden hose is clear of any obstructions and is directed downward. Press down drain door so it rests on top of the hose. Placing dehumidifier on an uneven surface or improper hose installation may result in water filling up the bucket and causing the unit to shut off. Empty water bucket if shut off occurs, then check dehumidifier location and hose for proper setup.



**Note:** When you want to take off the drain hose, prepare a receptacle to collect water from the nozzle.



# Clean and Maintenance

## Warning:

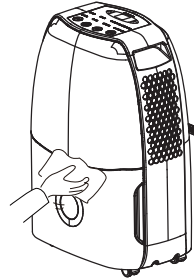
- Before cleaning, turn off the dehumidifier and disconnect power. Otherwise it may lead to electric shock.
- Do not wash the dehumidifier with water, or it may lead to electric shock.
- Do not use volatile liquid(such as thinner or gasoline) to clean dehumidifier. Otherwise it will damage unit's appearance.

## 1. Grille and Case

To clean the case:

When there is dust on the case, use soft towel to dust it off; When the case is very dirty(greasy), use mild detergent to clean it.

To clean the grille:Use a dust catcher or brush.



## 2. Air Filter

The air filter should be checked and cleaned at least every 250 hours of operation or more often if necessary.

After 250 hours of operation, the Clean the Filter indicator light will glow to remind you to clean the filter. Remove the filter and clean it. Replace the filter and press the Filter RESET pad to turn off the Clean the Filter light.

To remove:

Press the two buttons, then pull out the filter.

To clean:

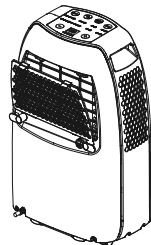
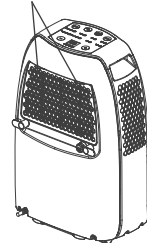
Clean the filter with warm, soapy water. Rinse and let the filter dry before replacing it.

To install:

Put the filter back into the dehumidifier.

NOTE: DO NOT rinse or put the filter in an automatic dishwasher.

Buttons



NOTE: Avoid using a dishwasher to clean the filter.

## Warning:

- Do not operate the dehumidifier without a filter. Otherwise the evaporator will catch dust and affect unit's performance.
- Do not dry the air filter with fire or electric hair dryer. Otherwise the air filter may be unshaped or caught on fire.
- Don't use dust catcher or brush to clean the air filter. Otherwise the air filter may be destroyed

## **Check Before Use-season**

- Check whether air outlet is blocked.
- Check whether power plug and power socket are in good condition.
- Check whether air filter is clean.
- Check whether drain hose is damaged.

## **Care After Use-season**

- Disconnect power.
- Clean air filter and case.
- Clean dust and obstacle of the dehumidifier.
- Empty the water bucket.

## **Long-time Storage**

If you won't use the dehumidifier for a long time, we suggest that you follow the steps below in order to maintain the unit in good condition.

- Make sure the bucket is clear of water and drain hose is removed.
- Clean the unit and wrap it well to prevent the gathering of dust.

# Troubleshooting

- Not all the following problems are malfunctions.

Problem	Possible Causes
Dehumidifier is not operating. Controls can not be set.	<ul style="list-style-type: none"> <li>● Unit is operating in an area where temperature is higher than 35°C or lower than 5°C.</li> <li>● Bucket is full.</li> </ul>
Noise suddenly rises during operation.	<ul style="list-style-type: none"> <li>● Noise will rise if compressor has just started.</li> <li>● Power supply problem.</li> <li>● Unit is placed on uneven floor.</li> </ul>
Humidity does not drop.	<ul style="list-style-type: none"> <li>● Area to be dehumidified is too large. The capacity of your dehumidifier may not be adequate.</li> <li>● Doors are open.</li> <li>● There might be some device producing vapor in the room.</li> </ul>
Little or no effect in dehumidifying	<ul style="list-style-type: none"> <li>● Room temperature is too low.</li> <li>● Humidity level may be improperly set.</li> <li>● If unit is operating in a room where temperature is from 5 to 15 °C, it will start to defrost automatically. Compressor will stop for a brief period of time(fan will operate in high fan speed). When unit finishes defrosting, it will be back to normal operation.</li> </ul>
When first operated, the air emitted has musty-odor.	<ul style="list-style-type: none"> <li>● Due to temperature rising of heat exchanger, the air may have some strange smell at the beginning.</li> </ul>
Unit has noise.	<ul style="list-style-type: none"> <li>● There might be some noise if unit is operating on wooden floor.</li> </ul>
Swooshing sound is heard.	<ul style="list-style-type: none"> <li>● Normal. This is the sound of the flow of refrigerant.</li> </ul>

- Problem of Water Leakage.

Problem	Possible Causes	Solution
When using drain hose, there is water in the bucket.	<ul style="list-style-type: none"> <li>● Examine the drainage joint.</li> </ul>	<ul style="list-style-type: none"> <li>● Connect the drainage joint well.</li> </ul>
	<ul style="list-style-type: none"> <li>● Drain hose is not correctly installed.</li> </ul>	<ul style="list-style-type: none"> <li>● Clear the obstacle from the drain hose.</li> <li>● Remove the drain hose and replace it. Be sure that the hose is correctly installed.</li> </ul>

● Dehumidifier does not start.

<b>Problem</b>	<b>Possible Causes</b>	<b>Solution</b>
Power indicator is not lit when power is connected.	<ul style="list-style-type: none"> <li>● Power is not supplied for the dehumidifier or the power plug is not well inserted.</li> </ul>	<ul style="list-style-type: none"> <li>● Check if power is lost. If yes, wait for the power to restore.</li> <li>● If not, check whether the power circuit or power socket has been damaged.</li> <li>● Check whether power plug is loosen.</li> <li>● Check whether power cord is damaged.</li> </ul>
	<ul style="list-style-type: none"> <li>● Fuse is blown.</li> </ul>	<ul style="list-style-type: none"> <li>● Replace the fuse.</li> </ul>
Bucket full indicator is lit up.	<ul style="list-style-type: none"> <li>● Bucket is not properly placed.</li> <li>● Water is full in the bucket.</li> <li>● Bucket has been removed.</li> </ul>	<ul style="list-style-type: none"> <li>● Empty the bucket and replace it.</li> </ul>
Unit can function normally but it can not start up.	<ul style="list-style-type: none"> <li>● Humidity is set too high.</li> </ul>	<ul style="list-style-type: none"> <li>● If you want the air drier, press - button to lower the figure or press CO button for unit to dehumidify continuously.</li> </ul>

● Dehumidifier does not dry air as intended.

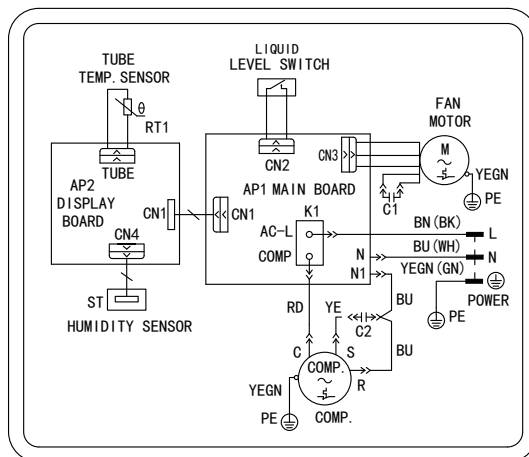
Bad dehumidifying performance	<ul style="list-style-type: none"> <li>● Check whether there is any obstacle around the unit.</li> </ul>	<ul style="list-style-type: none"> <li>● Make sure there is no curtain, shutter or furniture that blocks the dehumidifier.</li> </ul>
	<ul style="list-style-type: none"> <li>● Air filter is dusty and blocked.</li> </ul>	<ul style="list-style-type: none"> <li>● Clean the filter.</li> </ul>
	<ul style="list-style-type: none"> <li>● Doors and windows are left open.</li> </ul>	<ul style="list-style-type: none"> <li>● Make sure all doors and windows and other opening to the outside have been closed.</li> </ul>
	<ul style="list-style-type: none"> <li>● Room temperature is too low.</li> </ul>	<ul style="list-style-type: none"> <li>● Warm temperature is good for dehumidification. Low temperature will reduce unit's working effect. This unit should be working in a place where temperature is above 5°C.</li> </ul>

# Malfunction Codes

## ● Unit's Malfunction Codes

No.	Malfunction Name	Display Code	Unit's Condition	Possible Causes
		Display Window		
1	Ambient temperature sensor malfunction	F1	Compressor and fan motor stop. This button is invalid.	● Ambient temperature sensor is loosen or is poorly connected with the terminal of display board.
				● Some element of display board may have been put upside down and cause short circuit.
				● Ambient temperature sensor is damaged(Please refer to checking table for temperature sensor resistance).
				● Display board is damaged.
2	Tube temperature sensor malfunction	F2	Compressor and fan motor stop. This button is invalid.	● Temperature sensor on the evaporator is loosen or is poorly connected with the terminal of display board.
				● Some element of display board may have been put upside down and cause short circuit.
				● Temperature sensor on the evaporator is damaged(Please refer to checking table for temperature sensor resistance).
				● Display board is damaged.
3	Humidity sensor malfunction	L1		<ul style="list-style-type: none"> <li>● Humidity sensor is short-circuited.</li> <li>● Humidity sensor is damaged.</li> <li>● Display board is damaged.</li> </ul>

No.	Malfunction Name	Display Code	Unit's Condition	Possible Causes
		Display Window		
4	Freon-lacking protection	F0	Compressor stops operation. 30s later, the fan will also stop operation.	<ul style="list-style-type: none"> <li>Refrigerant is leaking.</li> <li>System is blocked.</li> </ul>
5	High-temperature over load protection	H3		<ul style="list-style-type: none"> <li>Ambient operation condition is bad.</li> <li>The evaporator and condenser are blocked with filth.</li> <li>The system is abnormal.</li> </ul>



Designed by Cooper&Hunter International Corporation, Oregon, USA

[www.cooperandhunter.com](http://www.cooperandhunter.com)

**E-mail: [info@cooperandhunter.com](mailto:info@cooperandhunter.com)**

\* Cooper & Hunter is constantly working to improve their products, so the information in this manual is subject to change without prior notice.