



# Inofia

## User manual

Industrial Type Dehumidifier

Applicable models: CFT4.0D

Before installation and application, please read this manual carefully!

Please keep this manual for future reference!

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## **Product description index**

1. Product introduction
2. Placing
3. Diagram of device structure and components
4. Drainage pipe installation
5. Operation instructions
6. Malfunction codes
7. System malfunction and protection
8. Memory function upon power failure
9. Technical specifications
10. Safety operation and protection
11. Maintenance and repairing
12. Malfunction and troubleshooting

## 12. Malfunction and troubleshooting

Malfunction	Cause	Solution
The dehumidifier do not operate	1. Power failure 2. Switch is not connected 3. Plug is not inserted into socket 4. Fuse melted	1. Supply power again 2. Re-connect to power 3. Insert plug into socket 4. Replace fuse
The dehumidification effect is not significant	1. Scaling in the air filtering mesh 2. Block in the air intake of dehumidifier 3. Door and window is open 4. Refrigerant leaks	1. Clean filtering mesh 2. Remove blocks 3. Close door and window 4. Contact agent or manufacturer for repairing
Water leakage	1. Machine tilt 2. Water outlet pipe is blocked	1. Adjust machine in a level 2. Disassemble the panel and remove the dirt inside the pipe
Abnormal noise	1. Machine placing is not stable 2. If the filtering mesh is blocked	1. Place the machine stably 2. Cleaning the filter trap

1. When above malfunction cannot be eliminated and require repairing, please contact supplier or agent, please do not disassemble the machine by do-it-yourself.
2. The circulating sound of refrigeration could be heard except operation or stop of the machine, this is normal but not malfunction.
3. Air outlet exhaust hot air is normal.

Thanks very much for purchasing this novel dehumidifier. It is suggested to keep this operation manual in safe for the future reference. Before apply this machine, please read this manual carefully to understand the advantages and special feature of this unique part, ensuring the part operates in its best performance.

In the past ten years, dedicated to developing professional and comprehensive indoor environment control technology to build and market dehumidifier, humidifying machine, ozone sterilizer and vacuum cleanser etc. The company integrates the most advanced technology to provide the world level products.

### Safety notes:

Before installation, operation and maintenance of this machine, please read the safety precautions carefully. Remove the packing materials of the device; keep far away from kids or baby to avoid the risk of suffocation.

Before plug in the machine, ensure the voltage is within the range of label.

This dehumidifier is only used for the specified applications. The manufacturer shall not take any responsibility for the damage caused by the improper application.

This device is safe in application, but careful operation is required as operating other electric appliances.

Please place the machine vertically for two hours prior to power on the machine in the 1st time application.

### Cautions!

- Indoor application only.
- Adopt 110-120V~60Hz grounding socket.
- Observe the local regulations for the installation and applications.
- Learn more or consult professional for any question on the installation.
- Draw out the plug when do not use. Never remove the plug by pulling the wire.
- Never operate the part by wet hand.
- Keep away from the touch of the kids.
- Do not soak the parts into water or spray water directly on the part during cleaning.
- Draw the plug out before cleaning the device or any part of the machine.
- Draw out the plug when changing the filter trap.
- Do not use the extension cable to connect with power; ask professional for the installation when there are no proper socket available.
- 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.
- Use on Single Outlet Circuit Only.

To avoid the occurrence of danger, ask manufacturer, agents or qualified staff for the replacement of damaged power wire.

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## 1. Product introduction

Dehumidifier is used for reducing the air moisture of its installation space to a proper level, so as to fit people in the daily life and material storage.

Beautiful in shape, compact in size, convenient in operation, this dehumidifier is widely used in the dehumidification of many sites with high moisture such as scientific researching, medical & health care, commodity storage, underground engineering, so as to prevent the loss caused by moisture, rust, decomposition of apparatus, devices, telecommunications devices, medicines, files etc.

As considering the setting optimum humidity of the climate and environment change, physiological health condition of human, protection condition of indoor furniture and other items varies between 45% to 65%, it is suggested to set the humidity within this range.

## 2. Placing

Dehumidifier can protect the room and storage environment from the influence of wet air.

In the event of extra moisture pervade in your room or other spaces, it is same like the cooking smell spread in each room. Therefore, it is required to place the dehumidifier in the center of the room, so as to dehumidify the room evenly and effectively. The warm corridor and platform of stair is the ideal place for placing the machine. If possible, open the door of the house; this is helpful for the air passage.

In the event of special high moisture exist in a certain area of a room, it is suggested to place the machine in this area directly before move it to the center.

For achieving the best effect of dehumidification, shut off the exterior doors and windows during the operation of the device. Do not place the part beside the heater or other heat sources.

When placing the device, ensure to place it in the ground stably on the surface, do not allow block in the air inlet and outlet of the machine.

Disconnect the power and drain the water completely before moving the part.

### Store the dehumidifier

When store the machine, the following procedures shall be observed.

- 1.Drain the water in the tank thoroughly;
- 2.Roll the wire and place it into the water tank;
- 3.Clean the filter trap;
- 4.Place the device in dry and cool area.

### Notes:

**Keep at least 0.5m safety distance between dehumidifier and any electric appliances and flammable substances.**

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## 11. Maintenance and repairing

Before cleaning and maintenance, draw out the power cable of the part. Use soft wet cloth to rub the machine body.

Do not use detergent, steel wire ball, chemical treated dust removing cloth, gasoline, benzene, thinner or other solvents for the cleaning as these items could damage the machine body.

### Cleaning filter trap

This device is equipped with a filter trap that can be washed, by which this machine can isolate large part of the contaminants transmitted through air, such as dust, smoke, animal fur, mold spore and pollen, reduce the substances that could cause sensitization.

It is suggested to check the filtering mesh regularly, make the cleaning or at least one time per month or before storage.

- Get out the filter trap
- Remove the contaminant in the filter trap by dust cleaner.
- If the filter trap is extreme dirty, use the warm water and soft cleaner for the cleaning, air dry the part thoroughly. Do not expose the part to direct sunlight or use other heating device for baking, as this could deform the filter trap body and its frame.
- Equip the filter trap in the device after cleaning.

This dehumidifier will drain water continuously. Please follow the setting of manual for the continual draining.

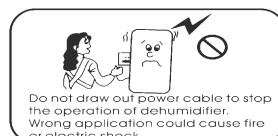
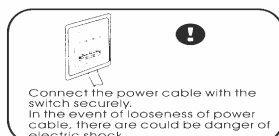
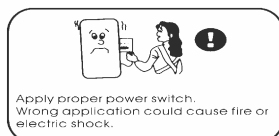
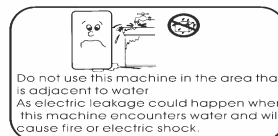
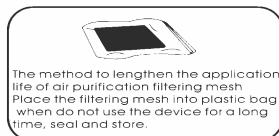
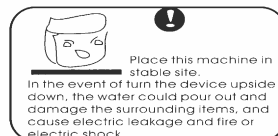
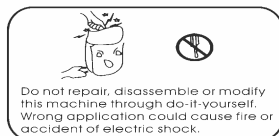
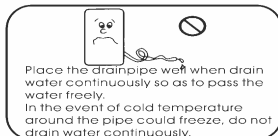
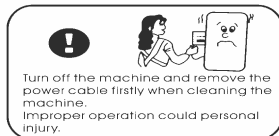
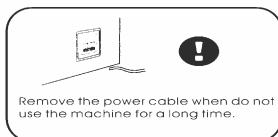
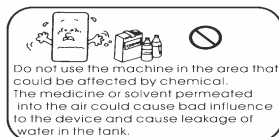
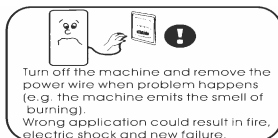
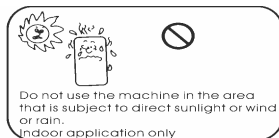
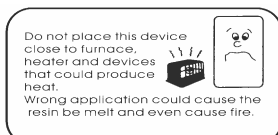
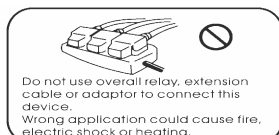
- 1.The device is attached with one drainpipe; see the drainpipe in the diagram.
- 2.Ensure no bending in the drainpipe for smooth water flow.

In the event of malfunction happened in the dehumidifier, check the No. 7 of this manual before consult the after-sale section.

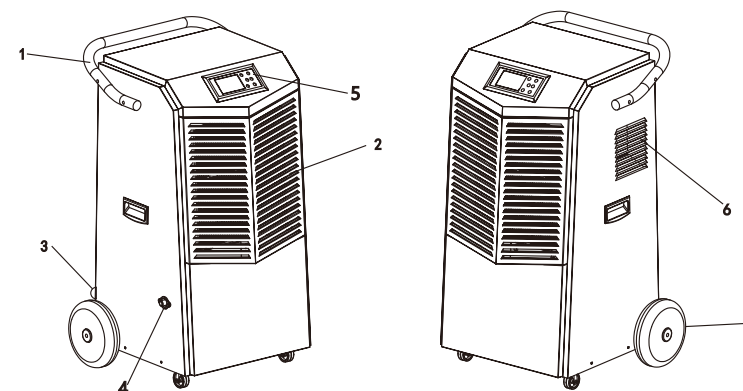
User shall never repair or disassemble this parts through do-it-yourself, improper repairing could endanger the user's body.

## 10、Safety operation and protection

### Safety operation and protection



## 3. Diagram of device structure and components



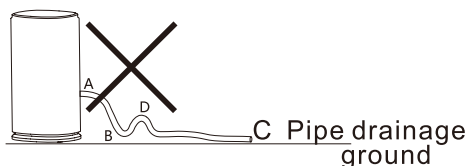
- 1.Pushing hand
- 2.Air inlet
- 3.Cable outlet
- 4.Water outlet
- 5.Control panel
- 6、Outlet
- 7、Caster

Schematic diagram

Note: This picture shows the dehumidifier Outline Drawing.  
Other models shape and size are a little different, please prevail in kind.

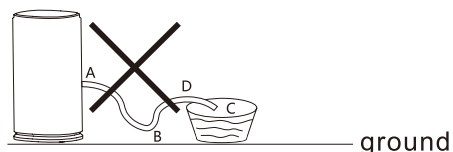
## 4、 Drainage pipe installation

Image One: Error Connection example



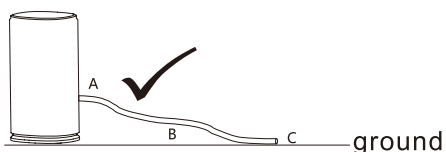
- The water pipe upward arch position D above position B, the inside of the water pipe is prone to air and accumulation, which leads to a smooth discharge through the Pipe.

Image Two: Error Connection example



- The water pipe and the water container contact point D is lower than the continuous drain A, but higher than the water pipe at the lowest point B, the inside of the pipe prone to air and water, leading to a smooth discharge of waters through the Pipe.
- Do not insert pipe outlet C into water.

Image Three: Correct Connection example



- Water through the continuous drainage port A, from high to low through the B and outlet C smooth discharge, can be used to water containers or discharged into the sewer (outlet C is below the continuous drainage port of 10 cm above, do not recommend the addition of the original drainage pipe).
- Pipes can be bent and not folded on the ground, but cannot be partially arched.

**Tips :** The machine has no water full prompting function. When the container is used to receive drainage, attention should be paid to water level.

Machine product images for reference only, in kind to prevail

## 9、 Technical specifications

MODEL	CFT4.0D
POWER SOURCE	110-120V ~ 60Hz
RATED POWER	1400W
RATED CURRENT	12A
RATED MOISTURE REMOVAL(35°C/90%RH)	232PTS/Day(110L/Day)
Power(30°C/80%RH)	1200W
CURRENT(30°C/80%RH)	11A
MOISTURE REMOVAL(30°C/80%RH)	190PTS/Day(90L/Day)
INPUT POWER(26.7°C, RH60%)	1000W
INPUT CURRENT(26.7°C, RH60%)	9.2A
MOISTURE REMOVAL(26.7°C, RH60%)	110PTS/Day(52L/Day)
MOTOR FLA	1.3A
MOTOR COMPRESSOR	RLA:10.2A LRA:48.06A
REFRIGERANT	R410A/20.5ozs(580g)
HIGH PRESSURE	580PSIG(4.0MPa)
LOW PRESSURE	247PSIG(1.7MPa)
DIMENSIONS	595×550×965mm
WEIGHT	48KG

Working temperature range from 5°C to 35°C. In the event of the room temperature exceed this range; this part will not work properly.

The parts parameters of above are subject to modification without further notice.

## 7. System malfunction and protection

1) When open circuit or malfunction happen in the humidity, the system will do not halt, the indication of malfunction will be displayed, after malfunction is removed, the indicator will be cancelled.

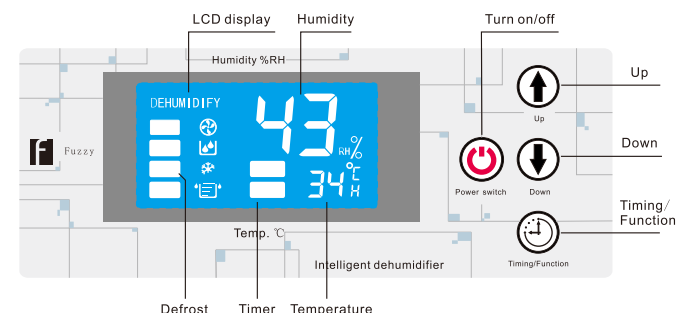
2) When the open circuit or short circuit happen in the temperature sensor.

- i. When malfunction of open circuit and short circuit happened in either temperature sensor A and B, the system will not stop operation, malfunction warning will occur; when the malfunction is eliminated, the warning will be cancelled;
- ii. When malfunction of open circuit and short circuit happened in both sensor A and B, the system will stop operation, malfunction warning will occur; when the malfunction is eliminated, the warning will be cancelled;

## 8. Memory function upon power failure

When connect with power for the first time, the system will read the parameter of memory chip, set the initial power on/off status of the system.

## 5. Operation instructions



### 5.1 Pushbutton Description

1) Power key: in the status of power off, press this key to turn on the device and vice versa (in the status of power on, the LED screen will light up and vice versa).

**Note: dark screen does not mean the power is disconnected.**

2) Up/Down key: set Increasing/decreasing for humidity or function.

3) Timing key: long press for two seconds and enter the timing power off function or exit timing power off.

### 5.2 Humidity Setting

In the status of power off, press UP/DOWN key to set the humidity value, ranges between 10 and 98. Press “Timing” key to exit or press stop pushbutton for 10 seconds and exit automatically.

### 5.3 Setting of timing power off

In the status of power on, long press two seconds to enter the setting of timing power off, press UP/DOWN key to set time, and then press “Timing” key to exit the timing function, when the timing is effective, to display the time of timing power off, the unit is hour. When there is no timing setting, display the environment temperature. When the timing setting is complete, press “Timing” key to check the environment temperature.

### 5.4 Operation description

Power on: when the air blower is start, delay for several seconds and the compressor 1 will turn on and then delay dozens of seconds, the compressor 2 will turn on (the compressor 2 will not start for single system): connect to power to switch on the machine will delay dozens of seconds.

Power off: the compressor 1 and the compressor 2 will stop at the same time; the air blower will stop after delaying for several seconds.

When malfunction or temperatures reach the setting value: the compressor 1 and the compressor 2 will stop at the same time; the air blower will stop after delaying for several seconds.

**For prevent frequent start up and stop, three minutes delay is existed for the interval of starting.**



### 5.5, temperature setting:

Press the temperature setting button (Timer / function key), temperature display flashes, can set temperature.  
in Set state, click exit, or stop button for 10 seconds then automatically exit.  
Press the "plus / minus" keys  
Set temperature ,setting range: 25 ~ 56 °C. , "Temperature" units in the warming-heating state symbol "°C" blinks.

### 5.6 Status description

In the status of delay power on, character "Operation" will flash;  
When the air blower operates, the icon of "air blower" will light up and vice versa;  
When the compressor operates, i.e. in the state of dehumidification, the icon of drop will light up and vice versa.  
When the present humidity reach the setting value and turn off the device (humidity control status), the character of "Operation" and "Humidity Control" will flash at the same time.

### 5.7 Defrosting function

When the device operates at the lower environmental temperature, the system will judge if there are frost exist automatically and make the defrosting operation accordingly if any.  
Defrosting operation: air blower does not stop but compressor stop.  
Defrosting end: air blower will proceed operation, compressor will start.  
Defrosting display: in the defrosting process, the defrosting character and icon will flash, icon of air blower will light up while other characters and icons will not light up.

## 6 .Malfunction codes

Malfunction codes	Description
E0	Malfunction of defrosting temperature sensor 2
E1	Malfunction of humidity sensor
E2	Malfunction of defrosting temperature sensor 1
E3	Malfunction of phase sequence (reverse phase or lack phase)
E4	Malfunction of environmental temperature sensor
E5	Malfunction of system high pressure
E6	Malfunction of system low pressure
E7	Alarm for full water
E8	Malfunction of overloading current of compressor
E9	Malfunction of overloading current of air blower
EA (EA)	Defrost temperature sensor 3 failure
Eb (Eb)	Defrost temperature sensor 4 failure
Ec (Ec)	Display information transmission abnormal

### Note:

- 1、if display E0 E1 E2 E4 EA or Eb fault, compressors, fans were still working, only alarm and display fault code, turn off the electricity power then turn on still can start (a few seconds for the alarm sound, press any button to reset the alarm sounds).
- 2、E3 E5 E6 E8 E9 alarms, troubleshooting, need power off, then power on, the alarm will relieve.