Introduction of configuration

air outlet

control panel

air inlet grid

filtering net

water outlet

handle

water-full switch 2 line

wheel

KJY-25G sketch

air outlet

control panel

air inlet grid

filtering net

water-full switch 2 line

water outlet

wheel

KSY-50G sketch

air outlet

filtering net

water-full switch 2 line

water outlet

control panel

air inlet grid
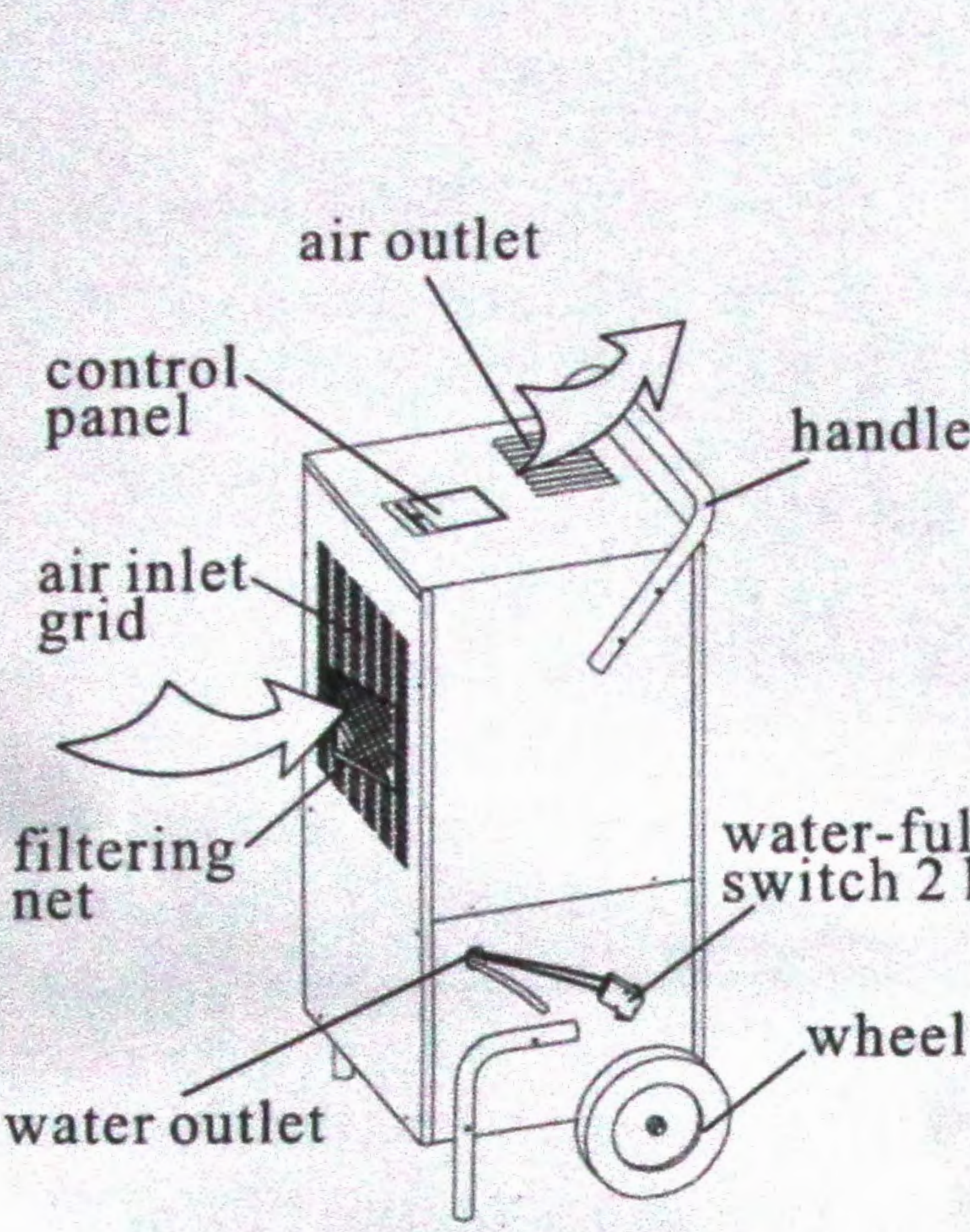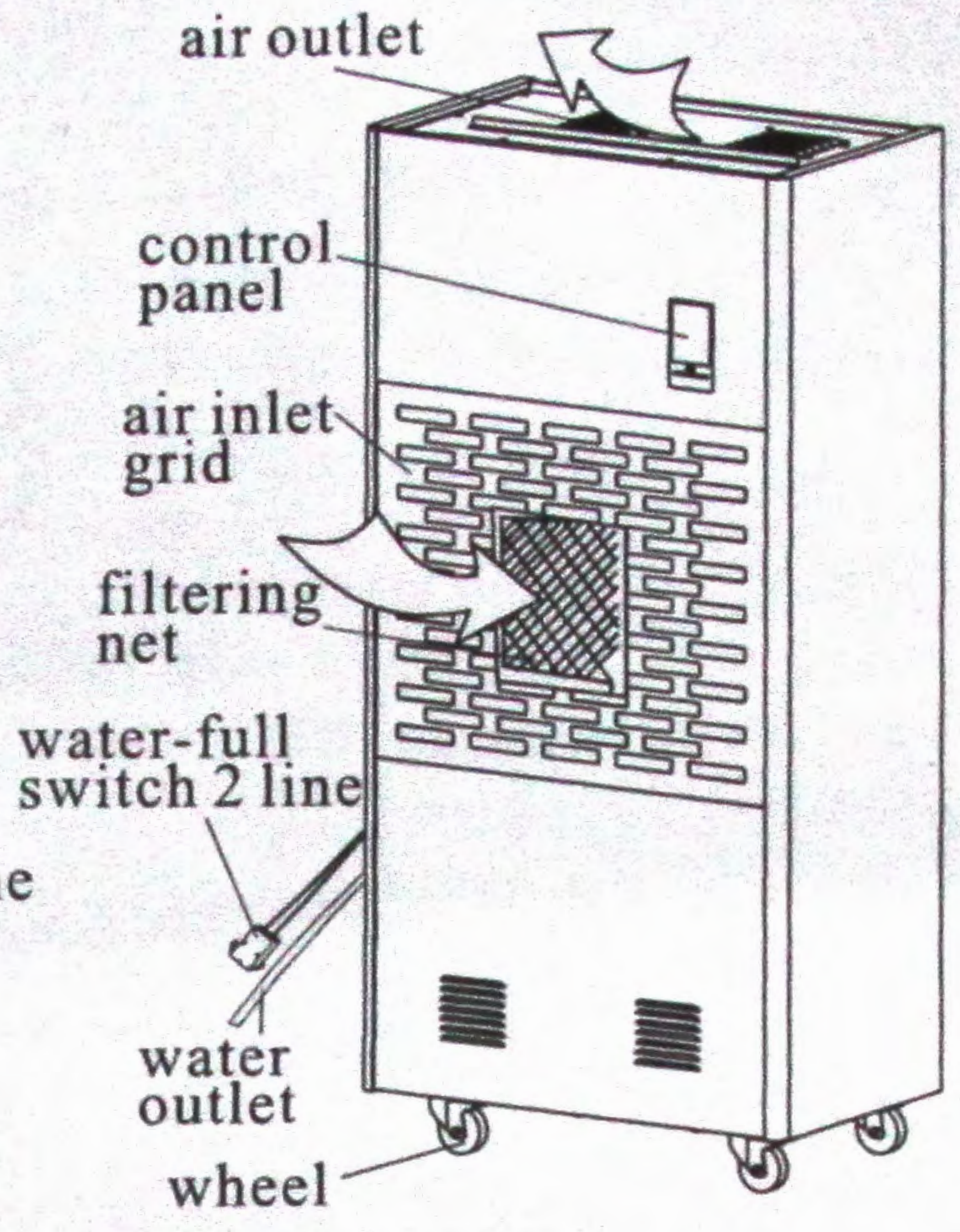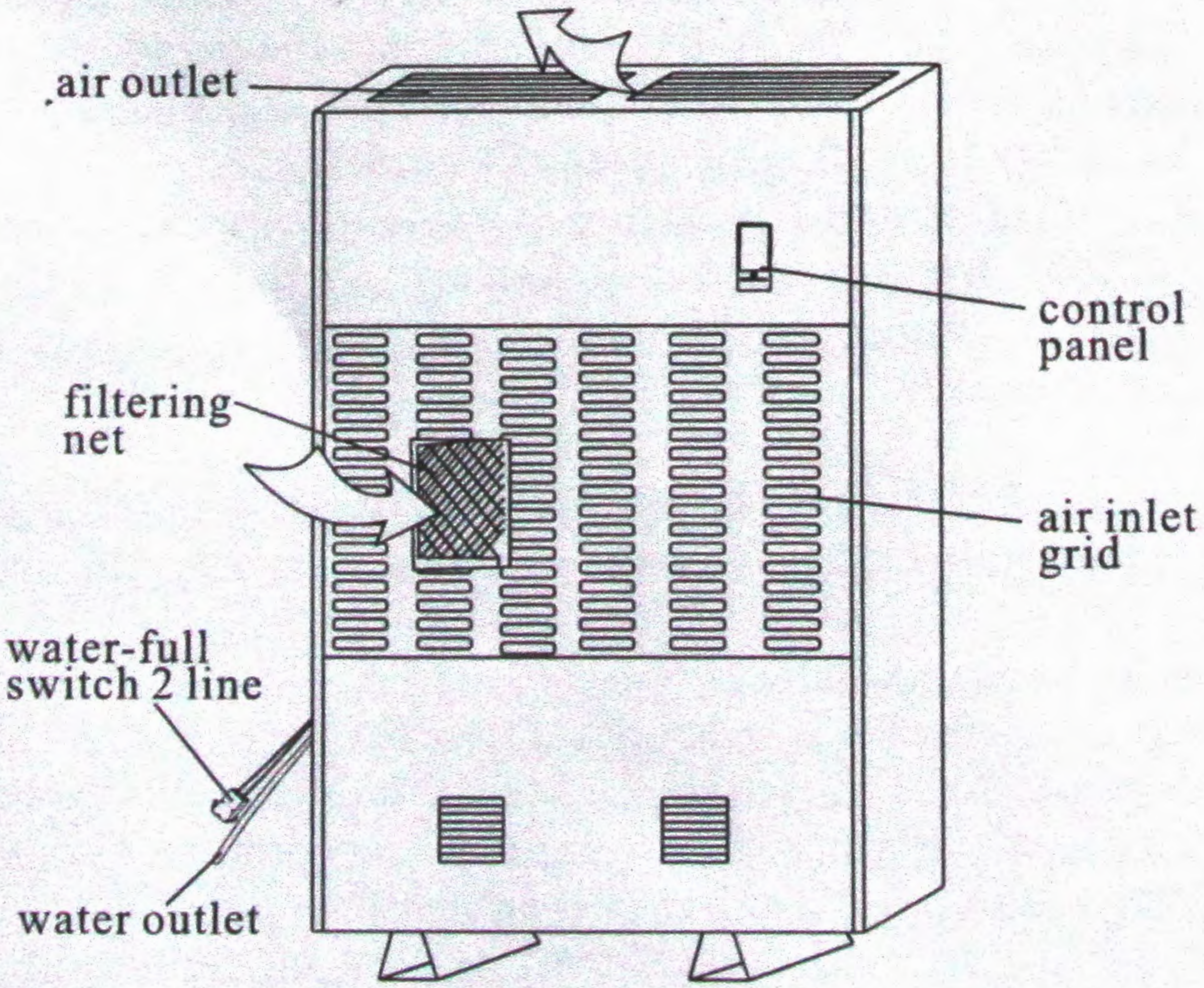
KSY-100G sketch

Operation instruction

Control panel

dehumidify ico

defrost ico

timer ico

humidity ico

fan ico

on/off button

fan button

TIMER ▲ ▼ FAN ON/OFF

timer button

humidity up button   humidity down button
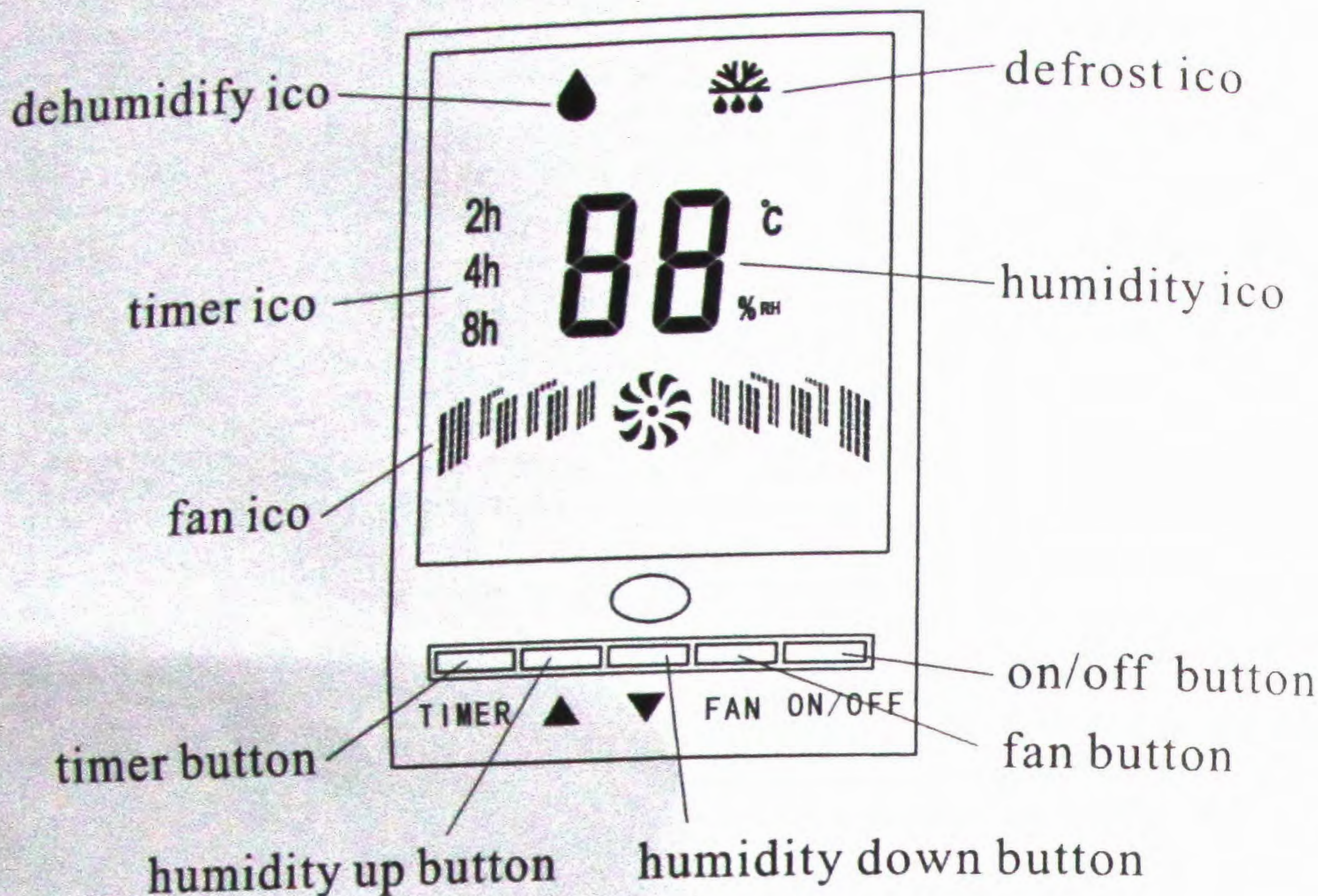
1. Start on

(1) Plug on, the unit gives off a sound like "di". The "humidity ico" shows the current humidity.

(2) Press "ON/OFF", both the "dehumidify ico" and "humidity ico" lights on, the "humidity ico" display the previous set humidity. The initial setting humidity is 60% and 3 seconds later the "humidity ico" display current humidity.

(3) Press humidity up or down button to adjust the humidity needed. If the setting humidity is 3% less than current humidity, the unit runs; if the set humidity is 3% more than current humidity, the unit stops running.

2. Shut off

Press "ON/OFF" when the unit is running, all the indicators turn off but the "humidity ico" shows the current humidity, the unit stop running.

3. Humidity accommodate

(1) Press the humidity up or humidity down button with the "humidity ico" blinking. 3 seconds after the humidity has been adjust, the "humidity ico" lights on. The humidity accommodate is range from 30% to 90%, and it should begin in 60%.

(2) Press the humidity up or humidity down button, the humidity will be rise or drop by 1%; keep pressing the keys, to rising or dropping the humidity by 5%.

(3)Press humidity down button when the accommodated humidity is on 30%, to make it in dehumidify mode, the "humidity ico" will show the current humidity after 3 seconds since the "humidity ico" shows "CO" .

4. Wind-speed control

High speed mode and low speed mode can be switched in circulation by press the "fan button" each time. Pretermission is the high-speed mode.

5. Time accommodate

Press the "timer button" to set the time to shut off with the unit running. Press the same button to set the time to start on. There are Three ico marked with "2h" . "4h" and "8h" on them, the time will be add 2 hours by press the "timer button" each time, it can be range from 2 hours to 14 hours which means the three ico all light on. Press the "timer button" when the time has been set on 14 hours to cancel timing. Press the "ON/OFF" button when the timing system has started to cancel timing.

The unit will stop working on the time had been set to shut off, "timer ico" lights off. The unit will start working under previous mode on the time had been set with the "timer ico" lights off. Time indicators measuring(1 means light on,0 means light off)

2h ico	1	0	1	0	1	0	1	0
4h ico	0	1	1	0	0	1	1	0
8h ico	0	0	0	1	1	1	1	0
Time(hours)	2	4	6	8	10	12	14	None

6. Press the buttons both humidity up and humidity down, the "humidity ico" shows the current humidity 3 seconds later.

Other functions introduction

1. This dehumidifier can keep a record of the current mode even when the power off, and the unit will run under previous mode after power supplied again. Please m_ke sure it is unplug before you leavii.g.
2. The computer controller has a protective function which can keeping for 3 minutes. The compressor cannot be restart in 3 minutes since it was been shut off last time, as it cannot be shut off in 3 minutes when it started work.
3. Working in comparative low temperature, defrost system will startup automatically, with the "defrost ico" lights on. A fan starts working and compressor stop. Since defrost finished, the "defrost ico" lights off, the fan and compressor restart up.

4. When the dehumidifier lacking of refrigeration, fan and compressor stop working automatically, humidity indicator on control panel displays malfunction, buzzer gives off a sound like "di" every 5 minutes.

5. Power supplies for KSY-100G are 380V/50Hz, have phase and phase protecting function, when out-connecting 3-phase are not connected rightly with machine's enactment, all the buttons on control panel are out of use, moisture window show "E6", please exchange the phase or check power, then operate the unit again.

6. Connect water-full switch 2 line to the external high water level switch. if external water tank isn't full,the pump operate.if it is full,the pump off. if inner water tank hasn't water,the pump off.
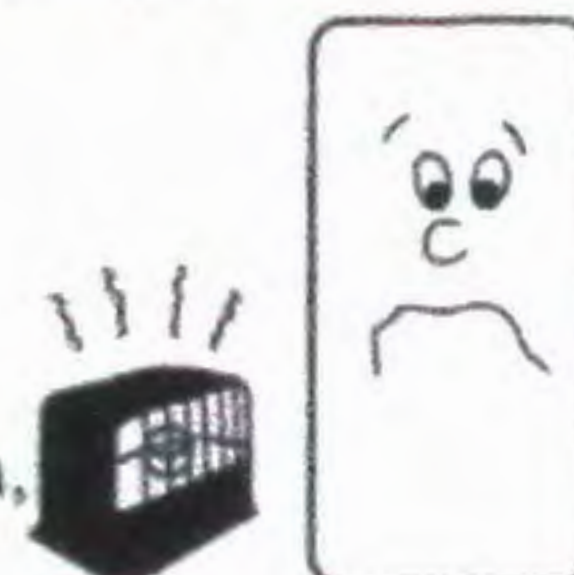
Maintenance and safety

Do not use any relay, prolonged wire or adapter.
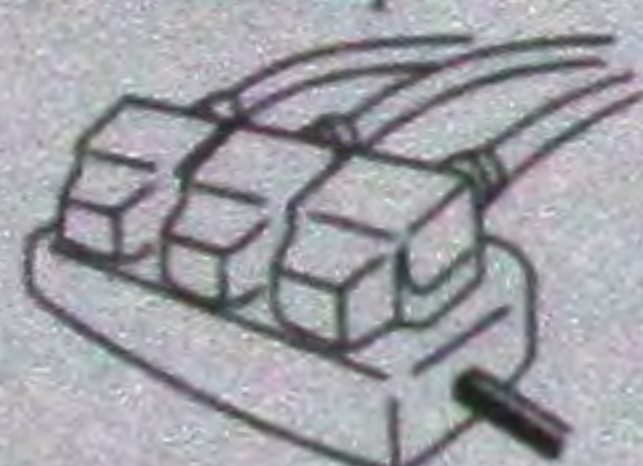
Otherwise, it might result in fire, radiation, or get an electric shock.

Do not put the unit nearby stove or heater.

Otherwise the resin might be melted down, even result in fire

Do not use the unit in sunshine, wind or rain

(it's only used indoors)

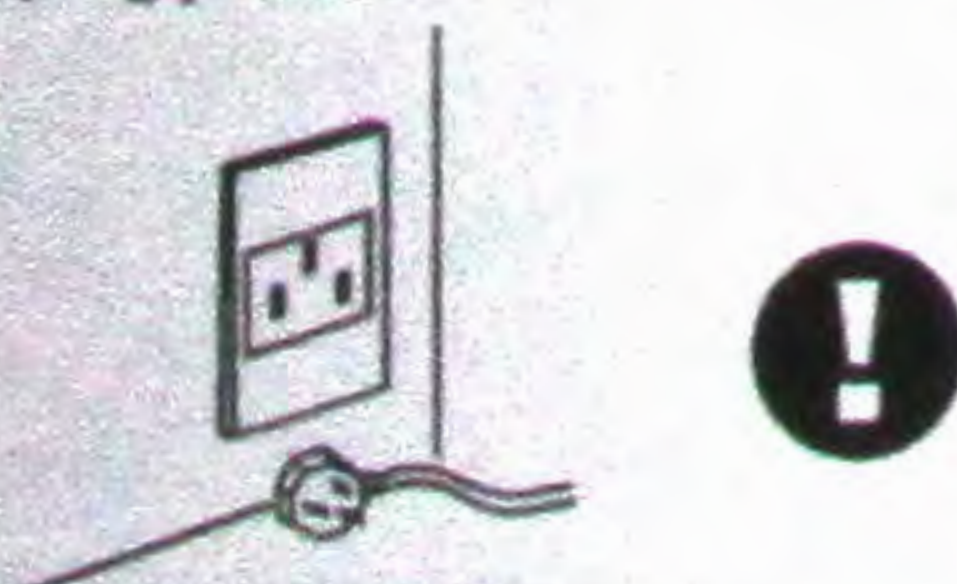When meet with some problems (for example scorch smelt), please shut off the unit and unplug.

Otherwise it might result in fire, other malfunction or get an electric shock.

Do not use the unit in the places easily affected by chemicals.

The volatilized chemicals might damage the unit and make the tank leak.

When keep power off for a long time, unplug please.

When cleaning, shut off the power and unplug.

Otherwise it might get and electric shock.

When draining continuously, put the drainer well for fluent draining.

If the ambient temperature is as low as freezing, do not drain continuously, please.

Do not repair the unit privately, nor disconnect it.

Otherwise it might result in fire or get an electric shock.

Put the unit stably. If the unit turns over, the water will flow out from the tank and damage

something nearby. Moreover, it might result in fire or get an electric shock because of creepage.
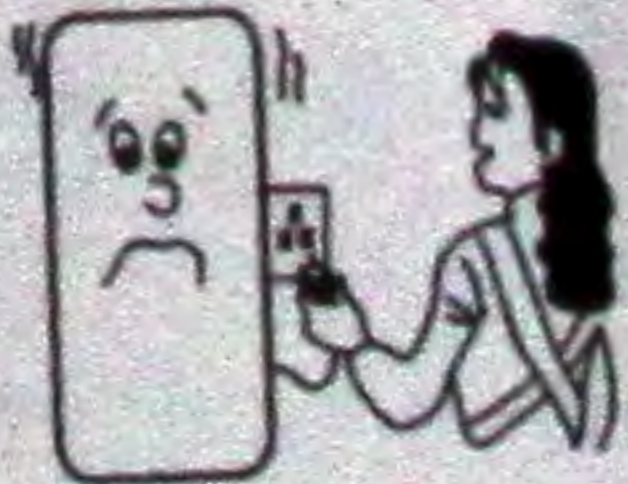

Make the filter more endurable.

When keep power off for a long time, seal the filter in a plastic bag.

Do not use the unit nearby water.

The unit might be in creepage when soaked by water, so as to result in fire or get an electric shock.

Use the standard electrical source of 220~240V.

Otherwise it might result in fire or get an electric shock.

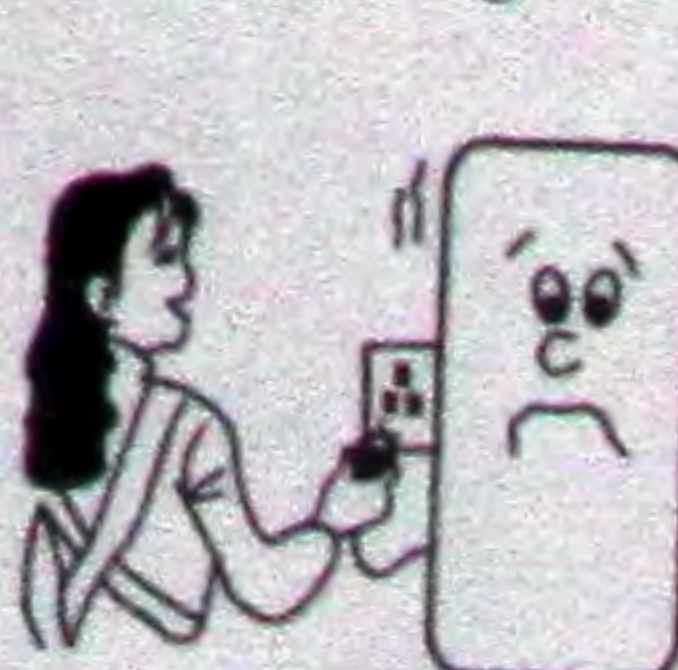Do not damage of exchange the wire.

Do not put anything heavy on the wire or heat or pull the wire. Otherwise it might result in fire of get an electric shock.

Clean the dirt on the plug and fix it tightly.

If the plug was not fixed tightly, it might get an electric shock.

Do not regard the plug as switch.

Otherwise it might result in fire or get an electric shock.

Notice of operation

1. When displace the unit, do not slope over 45° to avoid any damaging of the compressor.
2. The unit should be operated between 5℃~32℃.
3. When dehumidifying, because of the heat resulted from the running compressor, the indoor temperature will rise 1℃~3℃. It's normal, and don't mind.
4. When indoor temperature is below 10℃, and the ambient absolute humidity is quite low, it is unnecessary using the machine.
5. Air inlet and air outlet should be at least 10cm away from the wall.
6. Try to seal the room to enhance the dehumidification effect.
7. Too much dirt on the filter effects dehumidification, even result in malfunction, so that it should be cleaned at least once a month. If there is a great deal powder in the air, the filter should be cleaned once a week, even a day. Pull the front panel out and clean the filter. It will be better if knocking the filter slightly before cleaning, or remove the dirt with a vacuum cleaner, or wash it in clean water (≤40℃ with some neutral scour) and then airing it.

Instruction of malfunction code

The unit analyze malfunction automatically and display code on the humidity window.

KJY-25G,KSY-50G malfunction display

malfunction display	problem
E1	short of refrigerant
E2	temperature sensor
E3	humidity sensor
E4	tank full
E5	Sensor of refrigeration pipeline

KSY-100G malfunction display

malfunction display	problem
E1	short of refrigerant for A compressor
E2	temperature sensor
E3	humidity sensor
E4	tank full
E5	Sensor of refrigeration pipeline A
E6	Phase protection
E7	short of refrigerant for B compressor
E8	Sensor of refrigeration pipeline B

Parameter list

Model	KJY-25G	KSY-50G	KSY-100G
Electrical source	220-240V/1/50Hz		380V/3/50Hz
Dehumidification	120L/day	200L/day	480L/day
Rated power input	1650W	3100W	8000W
Rated power current	7.8A	14A	15A
Weight	57kg	150kg	235kg
Size(mm)	586X436X1110	770X470X1630	1225X450X1765

Parameter test operating condition:T=30℃ RH=80%
Please be noticed that there are no special notifying for any
variation of above parameters.