

# INVERTER SERIE H5

## Installation and User's manual

### MUPR-H5



# CONTENTS

<b>Safety Precautions</b>	<b>1</b>
<b>WEEE Warning</b>	<b>4</b>
<b>Name Of Each Part</b>	<b>5</b>
<b>Operation</b>	<b>6</b>
<b>Notices</b>	<b>7</b>
<b>Care and Maintenance</b>	<b>8</b>
<b>Troubleshooting</b>	<b>8</b>
<b>Installation Guide</b>	<b>10</b>
<b>Selection of the installing position</b>	<b>11</b>
<b>Installation of the indoor unit</b>	<b>12</b>
<b>Installation of the outdoor unit</b>	<b>13</b>
<b>Pipe connection</b>	<b>14</b>
<b>Electrical connection</b>	<b>16</b>
<b>Test running</b>	<b>18</b>
<b>Packing list</b>	<b>18</b>
<b>Remote controller</b>	<b>19</b>

## **IMPORTANT:**

Thank you for selecting super quality Air Conditiones. To ensure satisfactory operation for many ears to come, this manual should be read carefully before the installation and before using the air conditioner. After reading, store it a safe place. Please refer to the manual for questions on use or in the event that any irregularities occur. This Air Conditioner should be used for hosehold use.  
This unit must be installed by a professional according CE 795/2010.

## **WARNING:**

The power supply must be SINGLE-PHASE (one phase (L) and one neutral (N)) with his grounded power (GND) and his manual switch. Any breach of these specifications involve a breach of the warranty conditions provided by the manufacturer.

## **NOTE:**

In line with the company's policy of continual product improvement, the aesthetic and dimensional characteristics, technical data and accessories of this appliance may be changed without notice.

# Safety Precautions

Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications:

## WARNING

This symbol indicates the possibility of death or serious injury.

## CAUTION

This symbol indicates the possibility of injury or damage to properties only.

# WARNING

- 1.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.**
- 2.this appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.**
- 3.The air conditioner must be grounded. Incomplete grounding may result in electric shocks. Do not connect the earth wire to the gas pipeline, water pipeline, lightning rod, or telephone earth wire.**
- 4.Don't pull out the power plug during operating or with wet hands.**  
It can cause electric shock or fire.
- 5.Don't pull the power cord when pull out the power plug.**  
The damage of pulling power cord will cause serious electric shock.
- 6.The power plug must be inserted tightly.**  
Otherwise, it can cause electric shock or overheating, even fire.



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



8. Don't share the socket with other electric appliance, and use the broken or unstandord cord. Otherwise, it can cause electric shock even fire.



9. Clean the dust on the plug regularly. Otherwise the dust mixed, humidity will result in insulation fault even fire.



10. An earth leakage breaker with rated capacity must be installed to avoid possible electric shocks.



11. Cut off the main power switch when notusing the unit for a long time. Otherwise, it may cause product failure or fire.



12. Stop operation and cut off the main power in storm or hurricane. Operation with windows opened may cause electric shock.



13. Don't install air conditioner in a place where there is flammable gas or liquid. The distance between them should above 1m.



It may cause fire.

14. Don't put a finger, a rod or other object into the air outlet or inlet.



As a fan is rotating at a high speed, it will cause injury.

15. Don't touch the swinging wind vanes.

It may clamp your finger and damage the driving parts of the wind vanes.



16. Don't attempt to repair the air conditioner by yourself.

You may be hurt or cause further malfunctions.



17. Take care not let the remote control and the indoor unit watered or being too wet, or may short circuit even caused fire.



18. Don't use liquid or corrosive cleaning agent wipe the air-conditioner and sprinkle water or other liquid either. Otherwise the inclosure will be damaged even electric shock.



19. 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.

# CAUTION

1. Don't install the indoor unit under sunshine directly.
2. Don't block air inlet or air outlet, otherwise, the cooling or heating capacity will be weakened, even cause system stop operating.
3. Don't apply the cold air to the body for a long time. It will deteriorate your physical conditions and cause health problems.
4. Close the windows and doors, otherwise, the cooling or heating capacity will be weakened.
5. If the air filter is very dirty, the cooling or heating capacity will be weakened. Please clean the air filter regularly .
6. It was prohibited to stand or put things onto the top of the outdoor, to avoid drop or damage. In no case should children be allowed to sit on the outdoor unit.
7. Set the suitable temperature, especially there are old people, children and patients in the room. Generally, keep the temperature difference for 5°C between the inside and outside.
8. In case that the unit occurs closing down due to the severe interference from outer environments such as mobile phone, please cut off the plug and plug in to restart the air conditioner after several seconds .
9. It is forbidden to let the air conditioner keep precision instrumentation, artistic production for long time and make food fresh, otherwise abnormal using will cause damage and weaken.
10. It is forbidden to let children and the disabled use air-condition without other adult checking.
11. Open windows frequently after using air-condition for a long time.
12. If your air conditioner is not fitted with a supply cord and a plug, an all-pole switch must be installed in the fixed wiring and the distance between contacts should be no less than 3.0 mm.
13. If your air conditioner is permanently connected to the fixed wiring and have a leakage current that may exceed 10 mA. Leakage protector must be installed in the fixed wiring.
14. The power supply circuit should have leakage protector and air switch of which the capacity should be more than 1.5 times of the maximum current.
15. If the equipment emissions cannot meet the technical requirement of IEC 61000-3-3, Following Attention should be take care.

## Attention!

Through poor conditions of the electrical MAINS, shortly voltage drops can appear when starting the EQUIPMENT. This can influence other equipment (eg. Blinking of a lamp). If the MAINS-IMPEDANCE  $Z_{max} < 0.1 \text{ OHM}$  (See below form), such disturbances are not expected. (In case of need, you may contact your local supply authority for further information).

## WEEE Warning

---

### Meaning of crossed out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact you local government for information regarding the collection systems available.

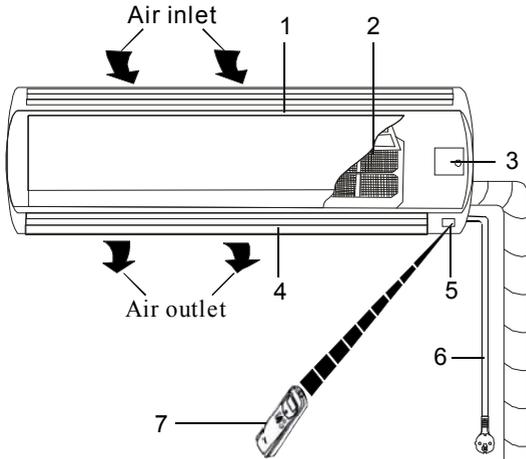
If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.



# Name of Each Part

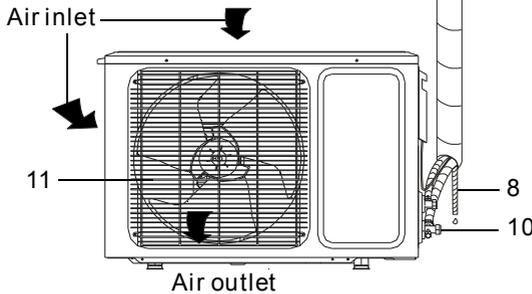
## ★ Indoor Unit



### Indoor Unit

- 1、Front panel
- 2、Air filter
- 3、Handling switch
- 4、Louver
- 5、Signal receptor
- 6、Supply cord
- 7、Remote controller
- 8、Drain hose
- 9、Refrigerant gas/  
liquid pipe

## ★ Outdoor Unit



### Outdoor Unit

- 10、Cut-off valve
- 11、Air outlet cover

### Note:

- 1.If the power supply from outdoor unit, you can find the power supply card is fitted in the outdoor unit.
- 2.The descriptions in this user manual are text and figures may have slightly difference to the promotion information and actual appliance. Please refer to the real appliance purchased, Thank you.

# Operation

## ★ Remote controller operation

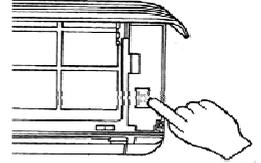
See "*air conditioner remote controller instruction*"

## ★ Manual operation

### ☆ Manual operation

When the remote controller does not work or can not be found, please follow these steps:

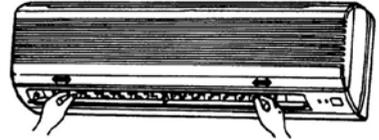
- 1.As the unit is operating, you can press the "Auto button" to stop operating.
- 2.As the unit is stopping, you can press the "Auto button" to start operating.



### ☆ Adjusting air flow direction

#### 1.Adjusting horizontal air flow manually.

Use your hands to move the vertical airflow vane and change the horizontal wind direction.



#### ⚠ Note:

- a. Adjust the horizontal air flow direction before the air-conditioner starts. Don't insert your finger into air intake or outlet vents when the air-conditioner is operating.
- b. For appliance with auto pendulum wind function, please refer to "*air conditioner remote controller instruction*" for how to adjust horizontal air flow.

#### 2. Adjusting vertical air flow direction(up-down)

Refer to"*air conditioner remote controller instruction*" for how to adjust vertical airflow direction through adjusting the horizontal airflow vane by remote controller.

#### ⚠ Note:

- Adjust the vertical air flow direction by remote controller. When you adjust the horizontal airflow vane by hand, the machine may cause problem.
- Manual operation can be used temporarily in case you can not use remote controller or its batteries are exhausted.
- When the air-conditioner stops, the horizontal wind vane will close the wind outlet of air conditioner.

# Notices

---

To prevent injury and property damage, Please pay attention to these following before operating the air conditioner.

## ★ Checking before operation

1. Make sure that the earth wire is connected safely and reliably.
2. Make sure the filter net is properly fixed.
3. Make sure that air outlet and inlet are not blocked.
4. Please clean the filter before starting the air-conditioner referring to page 6 "Cleaning" for how to operate.
5. Check to see whether the outdoor install bracket is damaged. If yes, please contact our Service center locally.

## ★ Safety tips

In order to use the air conditioner properly, please refer to its working temperature range. Otherwise, indoor unit automatic protection function may be activated, cooling or heating efficiency will be weakened.

**The air-conditioner may can't run in normal followed under mentioned table**

Cooling	Outdoor	$>47^{\circ}\text{C}$
	Indoor	$<18^{\circ}\text{C}$
Heating	Outdoor	$<-12^{\circ}\text{C}$
	Indoor	$>30^{\circ}\text{C}$

# Care and Maintenance

## ★ Cleaning

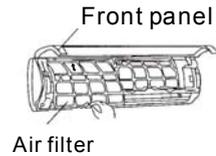
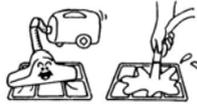
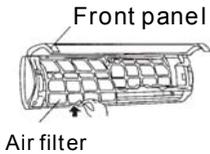
### ☆ Cleaning the indoor unit

1. Turn off the air-conditioner and remove the electrical plug from the outlet.
2. Wipe the indoor unit with dry cloth or wet cloth which is dipped by cold water.

### ⚠ Note :

- Don't use water above 45°C to wash the panel, or it could cause deformation or depigment.
- Don't use thinner, polishing powder, benzene and other volatile chemicals.
- Don't use liquid or corrosive detergent clean the appliance and don't splash water or other liquid onto it, otherwise, it may damage the plastic components, even cause electric shock.

### ☆ Cleaning air filter



1. Raise up the front panel of indoor unit until it suddenly stop, then raise up the protruded part of air filter, and then take it out.
2. Use a vacuum cleaner or wash them with water, then dry it in the shade.
3. Reinsert the air filter into the indoor unit until being entirely fixed, then close the front panel.

## ★ Maintenance

1. Select "FAN" operation mode, make the air conditioner run a long time to dry.
2. Turn off the air conditioner and cut off the power supply.



3. Take out the batteries from the remote controller.
4. Clean air filters and other parts.



## Troubleshooting

Check the following before requesting on service centre if the malfunction occurs.

Phenomenon	Trouble shooting
Air conditioner dose not operate at all	<ul style="list-style-type: none"> <li>● Has the power been shut down?</li> <li>● Is the wiring loose?</li> <li>● Is the voltage higher than 1.1 times of max rated voltage or lower than 0.9 times of min rated voltage?</li> <li>● Is the fuse burnt?</li> <li>● Does it reach the set time for start up?</li> </ul>

Phenomenon	Troubleshooting
Remote controller is not available	<ul style="list-style-type: none"> <li>● Is the remote controller out of effective distance to the indoor unit?</li> <li>● Is the battery exhausted?</li> <li>● Are there any obstructions between the controller and the signal receptor?</li> </ul>
Cooling (Heating)efficiency is not good	<ul style="list-style-type: none"> <li>● Is the setting temperature suitable?</li> <li>● Is the air inlet or outlet obstructed?</li> <li>● Are air filter dirty?</li> <li>● Is indoor fan speed set at low speed?</li> <li>● Is there any heat source in your room?</li> </ul>
Indoor unit does not operate immediately when the air conditioner is restarted	Once the air conditioner is stopped, it will not operate in approximately 3 minutes to protect itself.
There is unusual smell blowing from the outlet after operation is started.	This is caused by the odour in the room permeated from building material, furniture, or smoke.
Sound of water flow can be heard during cooling operation	This is caused by the refrigerant flowing inside the unit.
Mist is emitted during cooling operation.	Because the air of the room is cooled down rapidly by the cold wind and it looks like the fog.
Mist is emitted during heating operation.	This generate due to moisture in defrosting process.
Low noise can be heard during operation	<ul style="list-style-type: none"> <li>● A low hissing sound is caused by the refrigerant flowing.</li> <li>● A low squeak sound is caused by the deformation of plastic due to temperature.</li> </ul>

**In case the following situation, please immediately stop all operations and cut off the power supply, then contact with service centre .**

- The fuse and switch often breaks.
- Carelessly splash water or something into air conditioner.
- Unusual noise can be heard during operation.
- Electrical wiring and power plug are very hot.
- Wind blowing from the outlet smells terrible during operation.
- The Run light or other display flashes rapidly and keeps flashing after replugging.

# Installation Guide

---

## ★ Guide for customer

1. Please read the instructions carefully before installation of the air-conditioner.
2. The installation should be carried out by specialists.
3. Installation the air-conditioner and connecting the pipe and wires must be strict to reference the instructions.
4. The wiring must be done by qualified electrician according to the electrical safety requirements.
5. The customer should have a qualified power supply which coincides with the tag of air conditioner, the normal voltage should be in the range of 90-110% of its rated voltage.
6. The air conditioner must be well grounded, the switch of the main power of air-conditioner must be reliably grounded.

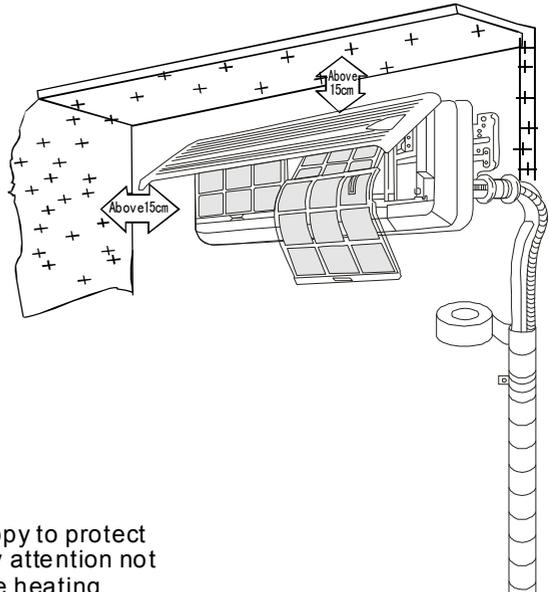
## ★ Notices

1. The air conditioner must be installed on well strong supporter.
2. The appliance shall be installed in accordance with national wiring regulations.
3. Fix the machine firmly, otherwise it will produce abnormal noise and vibration.
4. Install the outdoor unit in the place where it wouldn't disturb your neighbour.
5. The method of connection of the appliance to the electrical supply and inter connection of separate somponents, please see the electric connection elements shart which stick on the machine.
6. If the power supply cord is damaged, it must be replaced by the manufacture or its service agent or a similar qualified person.
7. After installation, the power plug should be easily reached.

# Selection of the installing position

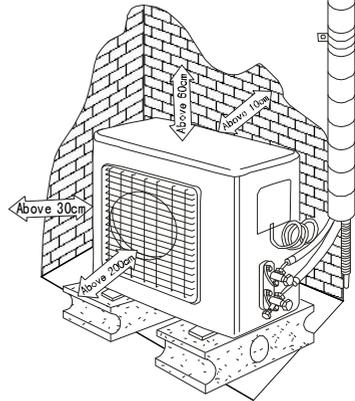
## ★ Indoor Unit

- There is no heating and steaming source nearby.
- No obstacles for installing position nearby.
- Keep good air circulation.
- Convenient to adopt measures to reduce noises.
- Do not install them near the doorway.
- Make sure to have the distance between the ceiling, wall, furniture and other obstacles.
- 2 meters high above the floor.



## ★ Outdoor Unit

- In case that you put up a canopy to protect it from rains and sunrays, pay attention not to cause any obstacles for the heating dispersion for the condenser.
- Do not grow animals or plants near the installation location for the cold and hot air out will affect them.
- Make sure to have the distance specified in the picture between ceiling, wall, furniture and other obstacles.
- Stay away from heating source and inflammable air.
- The installation base and supporting frame should be strong and secure. The machine should be at plane surface.



The unit comes preloaded for liquid pipe lengths less than 5 m. For greater lengths see table below:

Pipe length	Additional charge (R410A)	
Less than 5m	No need additional charge	
More than 5m	Models 9k y 12k R410A: (Lenght - 5) x 20g/m	Model 18k R410A: (Lenght - 5) x 30g/m

The maximum total pipe length is 15 m.

The maximum vertical length is 5 m.

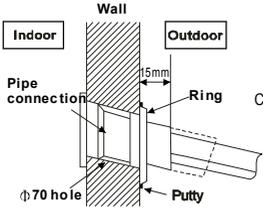
The diameters of the pipes are:

Model	MUPR-09-H5	MUPR-12-H5	MUPR-18-H5
Pipes	6.35 (1/4") - 9.52 (3/8")	6.35 (1/4") - 12.7 (1/2")	6.35 (1/4") - 15.6 (5/8")

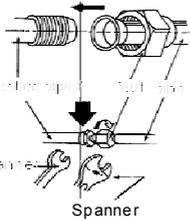
# Installation of the indoor unit



- First make changes to wall and make sure that is hard and secure. Using four "+" type screws to fasten the installation board onto the wall. Keep it water level horizontal direction and perpendicular in vertical direction. Otherwise it might cause water drops when air-conditioner is running cooling operation.

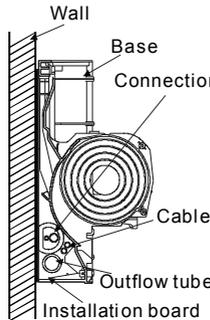
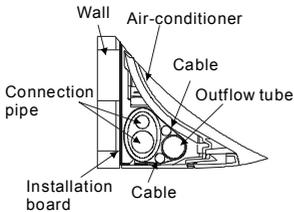
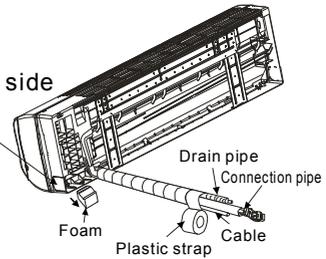


Drilling 70mm diameter pipe hole at the left down or right down side of the installation board. The hole shall slant outward slightly.



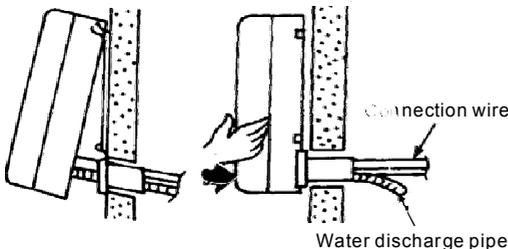
- Pull out the indoor unit pipes after detached the fixed parts on them. Connect the interconnected pipes to the indoor unit: point to the center of pipe and fasten the connection screw at first by hand and then by wrench until you hear the "Click" sound. Fastening direction is shown in the right picture. Using torque is shown in the following table.

Remove the base support foam in one side before installation.



**Note:** The installed air-conditioner won't be tightly appressed to the wall if that is not arranged shown in the picture. The outflow tube must be in the bottom and the highest point of it can not exceed the position of water basin.

- Arrange the connection pipes, cable, outflow tube according to the figure, then connect the drain pipe to the draining hole.
- Use insulation sleeve to warp the position of connection pipe and indoor unit, then wrap the insulating tape on the sleeve to avoid condensate water.
- Fasten connection pipes, cables and drain pipe together by plastic strap.



- Hang the indoor unit to the board and make sure the machine is in the middle of the board.
- Pushing the machine towards the left down and right down side of the installation board until the hangers enters tightly the grooves (it makes "click" sound)

## ★ Check the water discharge

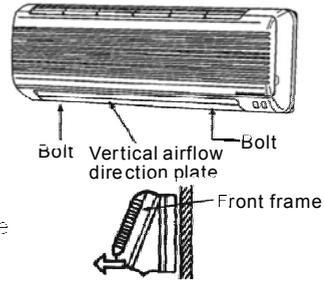
1. Take off the frame the unit cover.  
Take off the front frame for maintenance according to the following steps:

- Turn perpendicular airflow direction handle from " I " to horizontal direction.
- As shown in the picture on the right, take off two covers from the front frame and then unfasten two fixture screws.
- Pull the front frame towards yourself and take it off.

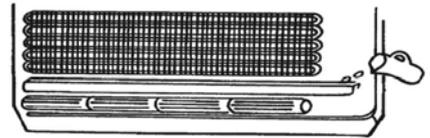
In case that put the front frame back, turn the perpendicular airflow direction handle from " I " to horizontal, then proceed according to the third and the second steps.

You should check whether the front frame is firmly inside the fixture groove on the top.

2. Check the water discharge.
- Put a cup of water into groove.
  - Check whether the water flow through the water discharge hole.



Pull down the front frame towards your and take off the front frame.

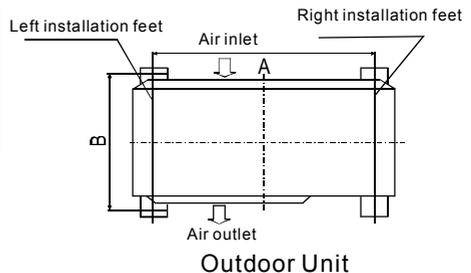


## Installation of the outdoor unit

- The outdoor unit must be firmly fixed to avoid falling in the strong wind.
- Install on the cement base the drawing below.
- If it will be installed at seaside or at a place high above the ground and with strong wind, the AC should be installed against the wall to ensure the normal operation of the fan and the blocking plate should be used.
- If it will be installed in type, the structure of the mounting surface should be made of solid stick, cement or materials with equivalent strength, and be of enough bearing capacity. Otherwise, measures such as reinforcement, support or vibration damping should be adopted.

### Installation outdoor unit bolt

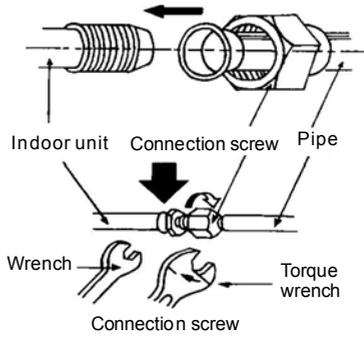
Model	Outdoor Unit Size of Shape (mm)	A (mm)	B (mm)
09 K	720 X 260 X 540	539	287
12 K	760 X 260 X 540	539	287
18 K	800 X 300 X 690	540	226



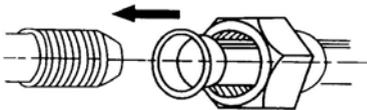
# Pipe connection

- Connect the pipe to the unit: point to the center of pipe and fasten by wrench until it is tightly fastened, the fastening direction is in the following picture.

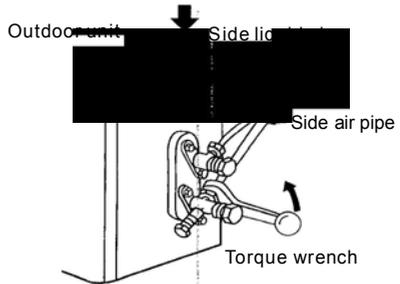
The size of pipe	Torque
$\Phi 6.35\text{mm}(\frac{1}{4}'' )$	18N.m
$\Phi 9.52\text{mm}(\frac{3}{8}'' )$	42N.m
$\Phi 12.7\text{mm}(\frac{1}{2}'' )$	55N.m
$\Phi 15.88\text{mm}(\frac{5}{8}'' )$	75N.m



- Pointing towards the center of pipe, fasten the screw with strength.
- Wrench the screw in the end until you hear the "Click" sound.

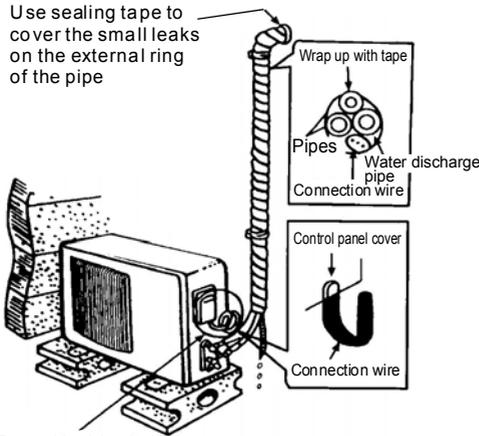


Refer the direction to the picture



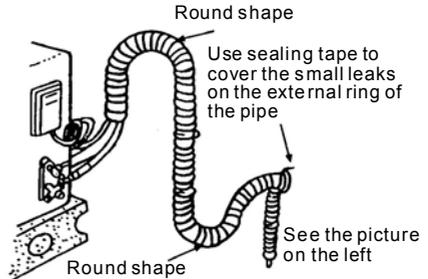
## ★ The form of pipe

Use sealing tape to cover the small leaks on the external ring of the pipe



Round in this shape to prevent water entering the electrical parts

- Wrap up all pipe, water discharge and connection wire from top to below.
- Cover the connection and fix them with two plastic rings.
- Wrap up the pipes with tape alongside the wall and fix them to the wall with clips. These steps are usually adopted when outdoor unit is installed below the indoor unit.

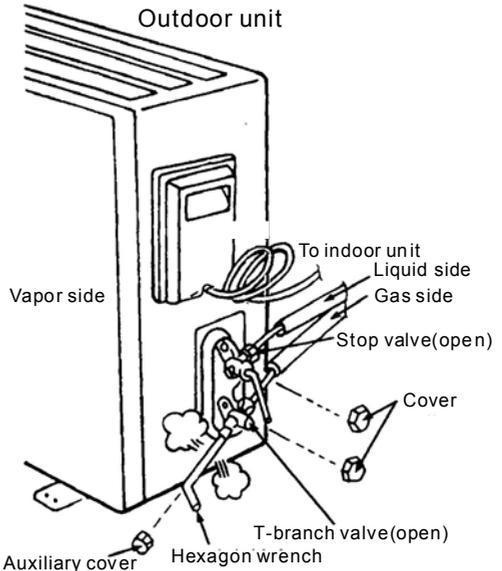


- In case that you want to have additional water discharge pipe, the end of pipe should be within certain distance towards surface ( don't let it under the water. Fix it onto the wall so it won't be swayed by the wind).
- Wrap the pipes and connection wire well from below to top.
- Wrap up the pipes that are rounded up by the wall comers in the way shown in the picture so it can prevent water entering the room.
- Use clips or other fixture to fasten the pipes to the walls.

## ★ Expelling the air in the pipes and the indoor unit

Expelling the air: humid air in the refrigerating system might cause trouble of compressor.

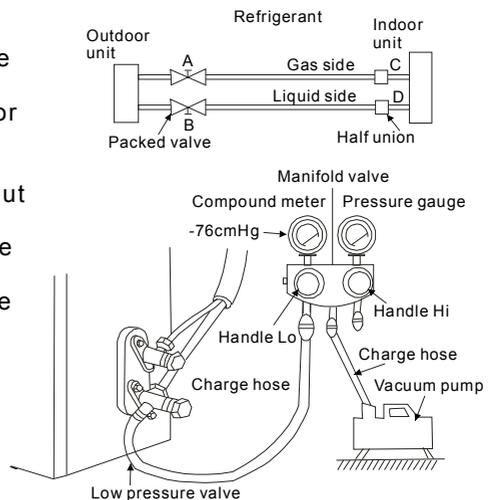
- Take off the cover from the stop valve and T-branch valve.
- Take off the auxiliary cover from the T-branch valve.
- Turn the stop valve rod anti-clock wise to an angle of 90 degree, keep it open for 8 seconds and close the valve.
- Check whether there is air leakage at all connection parts of pipes.
- Push the top rod of T-branch valve by hexagon wrench to expel air.
- Repeat the third and fifth steps.
- Open the stop and T-branch valve with a hexagon wrench to make the unit operate.
- There is no leakage allowed, please check all the piping connection parts. You must test the leakage, generally, it can be tested by soap water.



- **If the A/C is filled with R410a, make sure to discharge air and moisture remaining in the refrigerant system with a vacuum pump.**

(For method of using a manifold valve, refer to its operation manual.)

1. completely tighten the flare nuts, A, B, C, D, connect the manifold valve charge hose to a charge port of the low-pressure valve on the gas pipe side.
2. Connect the charge hose connection to the vacuum pump.
3. Fully open the handle Lo of the manifold valve.
4. Operate the vacuum pump to evacuate. After starting evacuation, slightly loose the flare nut of the Lo valve on the gas pipe side and check that the air is entering (Operation noise of the vacuum pump changes and a compound meter indicates 0 instead of minus.)
5. After the evacuation is complete, fully close the handle Lo of the manifold valve and stop the operation of the vacuum pump. Make evacuation for 15 minutes or more and check that compound meter indicates  $-76\text{cmHg}$  ( $-1 \times 10^5\text{Pa}$ ).
6. turn the stem of the packed valve B about  $45^\circ$  counterclockwise for 6~7 seconds after the gas coming out, then tighten the flare nut again. Make suer the pressure display in the pressure indicator is a little higher than the atmosphere pressure.
7. Remove the charge hose from the Low pressure charge hose.
8. Fully open the packed valve stems B and A.
9. Securely tighten the cap of the packed valve.



# Electrical connection

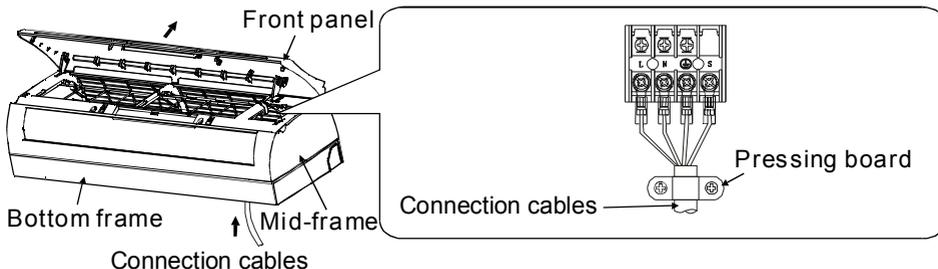
Power wiring and interconnection must meet:

model	09K	12K	18K	24K
Specification of connection cables (mm <sup>2</sup> )	2 x 2.5 + T	2 x 2.5 + T	2 x 4 + T	2 x 4 + T

The power supply (230V - 50Hz) is connected only to the indoor unit.

## ☆ Indoor connection

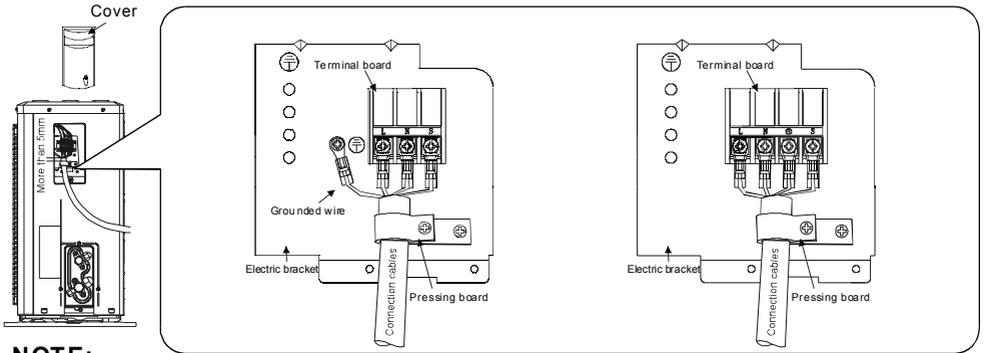
Open the front panel, inset the connection cables from the base of the air-conditioner, connecting to the terminal board in order (according to the graph), using the pressing board to fasten the connection cables.



Open the front panel, if the indoor unit is fitted with the signal wire, please detach the mid-frame, and insert the signal wire through the bottom frame, then connect the signal wire quick plug of the indoor's to the outdoor's.

## ☆ Outdoor connection

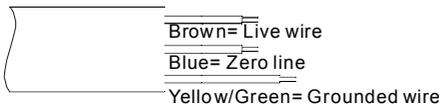
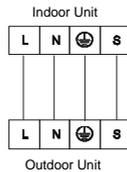
- Unscrew the screw, take off the control panel cover from the unit.
- According the connect position of indoor unit, make sure the connection cables connect to the board of outdoor unit corresponding.
- The grounded wire connection:
  1. loosen the grounded screw of electric bracket.
  2. Connect the grounded wire with the grounded screw then setscrew in the "⊕" mark formerly.
- Fix the cable to the terminal board with pressing board.
- Reinstall the cover with the screw.



**NOTE:**

- ✘ Connect the grounded wire correctly, otherwise will cause the malfunction of some electrical component and shock or fire indeed.
- ✘ Don't reverse the power polarity.
- ✘ Must fix the screw of the firmly wire, then drag the wire lightly, confirmation whether it's firmly.
- ✘ If there is a connector, connect it directly.

***The connection of connection cables of indoor unit and outdoor unit must correspond (from the graph in down), otherwise, it could be cause shock or fire.***

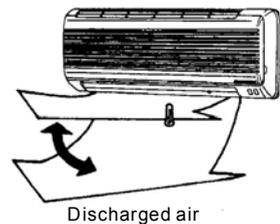


**NOTE:**

**This manual is usually includes all the wiring mode for the different kind A/C, please refer to the corresponding guide and instruction when wiring. We cannot exclude the possibility that the product should be improved and caused the change of wiring, please refer to the wiring diagram adhered on the A/C purchased.**

# Test running

- Make sure that pipes and wires are connected.
  - Make sure that liquid side valve and air side valve both are completely open.
- 1. The connection of power source**
- Connect the wire to independent power source socket.
  - Preparation of remote controller.
  - Run the air-conditioner in cooling operation mode for 30 minutes or longer.



**2. Performance evaluation**

- Test the out and in air temperature.
- Make sure whether the outlet air temperature subtract from inlet's gives more than 10℃。

# Packing list

- Please check the following attach carefully, if part attach isn t useful, please take care of it.

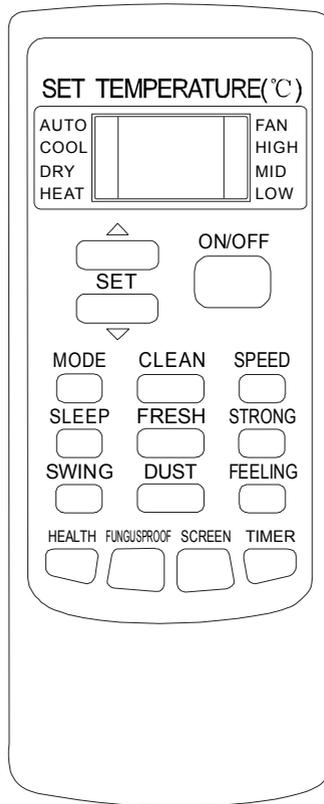
**Packing list of the indoor unit**

NO.	Name	Unit	Quantity
1	Indoor unit	Set	1
2	Remote controller	PC	1
3	Instructions	PC	1
4	Batteries	PC	2
5	Drain pipe	PC	1
6	Certificate	PC	1

**Packing list of the outdoor unit**

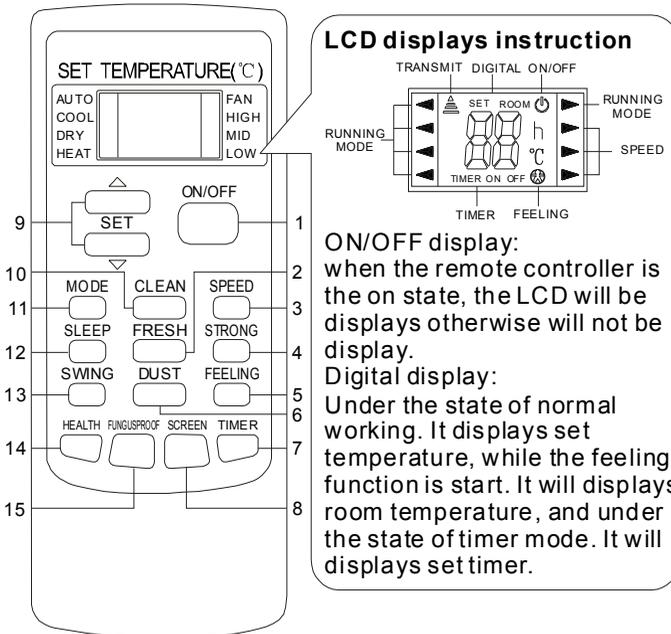
NO.	Name	Unit	Quantity
1	Outdoor unit	Set	1
2	Connection pipe	PC	2
3	Plastic strap	ROLL	1
4	Pipe protection ring	PC	1
5	Luting (putty)	PACKET	1
6	Certificate	PC	1

## AIR-CONDITIONER REMOTE CONTROLLER INSTRUCTIONS



- Read this “instructions” carefully so that you can use the air-conditioner safely and correctly.
- Take good care of the “instructions” so that it can be referred to at any time.

# Buttons description



## 1. “ON/OFF” button

You can start the air-conditioner by pressing this button and stop its operation by pressing it again.

## 2. “FRESH” button

This button is invalidation.

## 3. “SPEED” button

You can select fan speed show as the follow:



## 4. “STRONG” button

Only under the state of cooling or heating mode, press this button, the fan speed is adjusted to strong auto-matically and the LCD displays “high fan”, the “strong” function is started to reach the highest cooling or heating.

### 5. “**FEELING**” button

When it displays “**FEELING**” button:

Press this button can be used to set the feeling function. The LCD shows the actual room temperature when the function set and it shows the setting temperature when the function cancelled. This function is invalid when the appliance at the Fan mode.

### 6. “**DUST**” button

This button is invalidation.

### 7. “**TIMER**” button

**Setting the “ON” timer time:**

- a. When remote controller is at off state, press “**TIMER**” button, the LCD displays “**TIMER ON**” and the timer time, the range of setting time is 0.5h to 24h.
- b. You can press the “ $\Delta$ ” or “ $\nabla$ ” button to adjust the timer time, each touch will be set time to increase or reduce 0.5h before 10 hours ago, after ten hours will be set time to increase or reduce 1h per pressing, to enables your required timer.
- c. Press “**TIMER**” button again, to set the timer on function.
- d. You can set another function to insure the suitable state after air conditioner turn on (including mode, temperature, swing, fan speed and etc). The LCD will displays all your setting and keep it, when the timer reach to the set time, the air conditioner will be working according to your set automatically.

**Setting the “OFF” timer time:**

- a. When remote controller is at on state, press “**TIMER**” button, the LCD displays “**TIMER OFF**” and the timer time, the range of setting time is 0.5h to 24h.
- b. You can press the “ $\Delta$ ” or “ $\nabla$ ” button to adjust the timer time, each touch will be set time to increase or reduce 0.5h before 10 hours ago, after ten hours will be set time to increase or reduce 1h per pressing, to enables your required timer.
- c. Press “**TIMER**” button again, to set the timer off function.

### 8. “**SCREEN**” button

You can let the LCD displays working or not by pressing this button.

### 9. “△” or “▽” button

Press the “+” or “-” button, you can set the temperature range from 16°C to 32°C, Display will change as you touch the button.

### 10. “CLEAN” button

- a. When remote controller is at the off state, press “clean” button, the wind guiding bars turn to initial positions for cooling, the A/C runs “clean” function with max duration 35 mins. The purpose of its function is to clean dust on evaporator and dry the inside water of evaporator and to prevent the evaporator going moldy due to water deposition and boasting strange smell.
- b. After setting “clean” function, press “clean” button again to cancel “clean” function or press “ON/OFF” button to cancel “clean” function and start A/C.
- c. The clean function will be no working after 35 minutes running working without any operation.

**Note: “clean” function can be set in parallel with “time start” function; in this case, “time start” function will be executed after “clean” function.**

### 11. “MODE” button

Which enables you to select different operation mode, after each pressing, the operation mode will be changed. It shows in the following display.

AUTO→COOL→DRY→HEAT→FAN→AUTO

**Remark: cold wind type has no heating function.**

### 12. “SLEEP” button

1. press the SLEEP button, the sleeping indicator light of indoor unit flashes on.
2. after the setting of sleeping mode, the cooling operation enables the set temperature to increase 1°C after 1 hour and another 1°C automatically after 1 hour.
3. after the setting of sleeping mode, the heating operation enables the set temperature to drop 2°C after 1 hour and another 2°C automatically after 1 hour.
4. the air-conditioner runs in sleeping mode for 7 hours and stops automatically.

**Remark: press the MODE or ON/OFF button, the remote controller clears sleeping mode away.**

### 13. “**SWING**” button

Press this button, the horizontal wind direction vanes can rotate automatically, when you have the desired vertical wind direction, press it again, the horizontal wind direction vanes will be stopped at the situation of your choice.

### 14. “**HEALTH**” button

Press this button, you can turn on or off the health function.

### 15. “**FUNGUSPROOF**” button

This A/C has special dry and anti-mold function which has “yes” or “no” two selections. This function is controlled by the remote controller under cooling, dry and auto (cooling and dry) modes, the horizontal wind guiding bars are at the initial position for cooling. The A/C runs under heating mode (the cooling only A/C only runs under fan mode), the internal fan runs for three minutes with weak wind before stop. The purpose of this function is to dry the inside of the evaporator and to prevent the evaporator from going mouldy due to water deposition and thus dispersing strange smell.

#### **Note:**

- 1. This function has not been set in the factory. You may freely set and cancel this function. The setting method is: under “off” status of the A/C and the remote controller, point the remote controller toward the A/C and continuously press “FUNGUSPROOF” pushbutton for one time, the buzzer keep beeps five times again after five times beeps, indicating that this function is ready. In case this function has been set, unless the whole A/C is powered off or the function is manually cancelled, the A/C then has this function as a default;**
- 2. To cancel the function: 1. Power off the whole A/C; 2. Under “off” status of the A/C and the remote controller, point the remote controller toward the A/C and continuously press “FUNGUSPROOF” pushbutton for one time, the buzzer keep beeps three times again after five times beeps, indicating that this function has been cancelled;**
- 3. When this function is on, it is suggested not to restart the A/C before it is completely stop;**
- 4. This function will not run in case of time stop or sleep stop.**

## Usage

### ★ Fix batteries



1. Slide open the cover according the direction indicated by arrowhead.
2. Put into two brand new batteries (7#), position the batteries to right electric poles (+&-).
3. Put back the cover.

### ★ Automatic operation mode

1. Press the MODE button, select the automatic operation mode.
2. Press the SPEED button, you can select fan speed.  
You can select fan speed from LOW, MID, HIGH, AUTO.
3. Press the ON/OFF button, the operation indicator is on, the air-conditioner starts to operate the automatic mode. Press the button again, the air-conditioner stops.

### ★ Cooling/Heating operation mode (cold wind type has no heating function)

1. Press the MODE button, select the Cooling or Heating operation mode.
2. Press the “ $\Delta$ ” or “ $\nabla$ ” button, set the temperature, temperature can be set at  $1^{\circ}\text{C}$  difference range from  $16\text{-}32^{\circ}\text{C}$ .
3. Press the SPEED button, you can select fan speed.  
You can select fan speed from LOW, MID, HIGH, AUTO.
4. Press the ON/OFF button, the operation indicator is on, the air-conditioner starts to operate the automatic mode. Press the button again, the air-conditioner stops.

### ★ Fan operation mode

1. Press the MODE button, select the Cooling or Heating operation mode.
2. Press the SPEED button, you can select fan speed. You can select fan speed from LOW, MID, HIGH.
3. Press the ON/OFF button, the operation indicator is on, the air-conditioner starts to operate the automatic mode. Press the button again, the air-conditioner stops.

**Remark: In the circulation operation mode, to set the temperature is noneffective.**

### ★ Drying operation mode

1. Press the MODE button, select the Dry operation mode.
2. Press the “△” or “▽” button, set the temperature, temperature can be set at 1°C difference range from 16-32°C.
3. Press the SPEED button, you can select fan speed. You can select fan speed from LOW, MID, HIGH, AUTO.
4. Press the ON/OFF button, the operation indicator is on, the air-conditioner starts to operate the automatic mode. Press the button again, the air-conditioner stops.

### ★ Night Luminous Function of Remote Controller(Only the remote controller with this function can be used)

For your convenient use of the remote controller in the darkness without any lighting, this remote controller has blue background light and luminous pushbuttons. Function at you press on any of the pushbutton, the background light will immediately release soft light so that you are easy to operate the remote controller. If you do not operate the controller within 10 seconds, the background light will automatically disappear.

#### **Note:**

**All the figures above are the displays after being initially electrified or re-electrified after power off. In actual operations, the remote controller screen displays related items only.**

### Attention

1. Aim the remote controller towards the receiver on the air-conditioner.
2. The remote controller should be within 8 meters away from the receiver.
3. No obstacles between the remote controller and receiver.
4. Do not drop or throw the remote controller.
5. Do not put the remote controller under the forceful sunrays or heating facilities and other heating sources.
6. Use two 7# batteries, do not use the electric batteries.
7. Take the batteries out of remote controller before stop its using for long.
8. When the noise of transmitting signal can't be heard indoor unit or the transmission symbol on the display screen doesn't flare, batteries need be replaced.
9. If reset phenomenon occurs on pressing the button of the remote controller, the electric quantity is deficient and new batteries need to be substituted.
10. The waste battery should be disposed properly.



MUNDO  CLIMA®

**ASK FOR MORE INFORMATION:**

Phone: +34 93 446 27 80 - Fax: +34 93 456 90 32

eMail: [mundoclima@salvadorescoda.com](mailto:mundoclima@salvadorescoda.com)

**TECHNICAL ASSISTANCE:**

Phone: +34 93 652 53 57 - Fax: +34 93 635 45 08