



TOV

# Owner's Manual

## Ceiling Floor

**IMPORTANT NOTE:**

Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.



## **PRECAUTION**

- Read the following “ PRECAUTIONS” carefully before installation.
- The air conditioner must be installed by professional technicians.
- The installation should be done in accordance with the manual.
- Please forgive delay of notice in case of any advancement.

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## USAGE

## PRECAUTIONS

- Read the following " PRECAUTIONS" carefully before installation.
- The caution items stated here must be followed because these important contents are related to safety. The meaning of each indication used is as below.  
Incorrect installation due to ignoring of the instruction will cause harm or damage, and the seriousness is classified by the following indications.

 <b>WARNING</b>	This indication shows the possibility of causing death or serious injury.
 <b>CAUTION</b>	This indication shows the possibility of causing injury or damage to properties only.

### **Please read the label on the principal unit carefully.**

In case of such abnormal situations as abnormal noise, smelliness, smoke, temperature rising, electrical leakage, fire, please cut off the electric supply quickly and contact the dealer.



Engage dealer or specialist for installation. If installation done by user is defective, it will cause water leakage, electrical shock or fire.

Professional persons are not allowed to dismantel the unit,otherwise, accident or damage may occur.

Please do not use ort store such flammable gas or liquid as hair styling jelly, oil paint, petrol in case of fire.

The major electrical supply should be installed out of children touch .

Please do not spray water or other liquid in case of danger.

Please do not touch the unit with wet hands in case of electric shock.

**Please cut off the electrical supply in lightning and rainy days, othwewise, danger or damage may occur.**

**Please cut off the major electrical supply when it is not used for a long time to avoid accidents.**



Never put hands or objects into the air inlet and outlet of the indoor and outdoor unit, in case the fan with high speed may hurt you.

The baffle of the outdoor unit is not allowed to be dismantled because the fan with high speed may cause injury.

**Do not let the indoor unit or remote controller be affected with damp, otherwise ,Short circuit or damage may occur.**

**Make sure the is totally closed after the ash screen is cleaned.**

**Do not let it open for a long time in case of any danger.**

- It suits for 18000~60000Btu/h cooling and heating capacity type.When the outdoor temperature is lower than 6℃,the system shuould be electrified over 12 hours.

● Description of symbols

Symbol	Meaning
 Warning	Mistaken operation/use may cause death or serious injury.
 Notice	Mistaken operation/use may cause injury or damage of properties only.

1. Injury means causing harmed, burned, electrical shocked, but not serious for hospitalization.
2. Damage of property means disrepair of property, material.

● Description of icon

Icon	Meaning
	Contents prohibited are represented by notes or figures.
	Execution in force. Items forcibly executed are represented by notes or figures.
	Notices (including warning) items noticed and warned are represented by the notes or figures.

 Warning

		Do not attempt to install this unit by yourself. This unit requires installation by qualified persons, or will cause users harmed, burned electrical shocked.
		Confirm if it is grounded properly. If not, it may cause electrical shock.
		When installing in air conditioner a small room, measures should be taken to avoid suffocation, while the leakage of refrigerant accumulates the limited density. Consult our dealers for details.

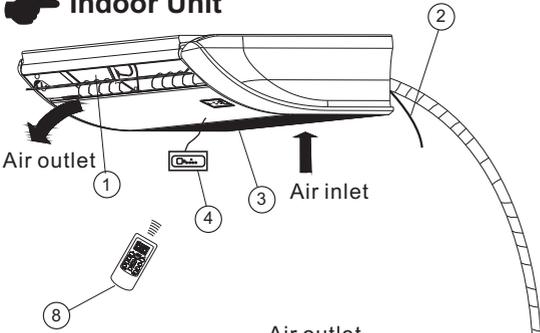
		Never put hands or objects into the air outlet/inlet of indoor or outdoor units. These units are installed with a fan running at high speed. To touch the moving fan will cause serious injury.
		When exceptions occurring, such as smelling odors, power should be switched off at once and contact our dealers, or may cause person injury or fire

Installation		Do not install the AC in the place where flammable gas is prone to leaking. If flammable gas leaks and surrounds the AC, fire may be caused.
		Ensure that the base of installation is firm. If not firm, the accident of AC's crush may occur.
		Ensure that electric system has installed creepage protector. Lack of creepage protector may cause electric shock or fire.

Usage		Please check the base of installation is firm and perfect when running for a long time. If not, the accident of AC's crush may occur and cause injury or death of persons.
		Please disconnect manual switch to stop running while sweeping. If not, high speed fan may cause damage.
		Please choose the proper fuse. It is prohibited to use substitution or it may cause obstacle or fire.
		Prohibit spraying flammable spray to outdoor unit, or may cause fire.

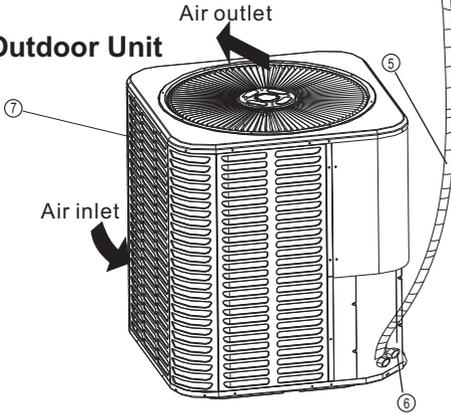
# PARTS AND FUNCTIONS

## Indoor Unit



- ① Air Outlet
- ② Refrigerant Pipe Junction
- ③ Filter
- ④ Remote controller receiver
- ⑤ Refrigerant connection pipe
- ⑥ Stop valve
- ⑦ Air Outlet grille
- ⑧ Remote controller

## Outdoor Unit



### Requirements

- Do not run the unit until it has been electrified for 2 hours. Besides, if the unit stops for a day and night, please do not disconnect the power.
- Attention not to block the air outlet and inlet. It may cause the performance decreasing or start the protection device so that the unit cannot run.

## DISPLAY PANEL

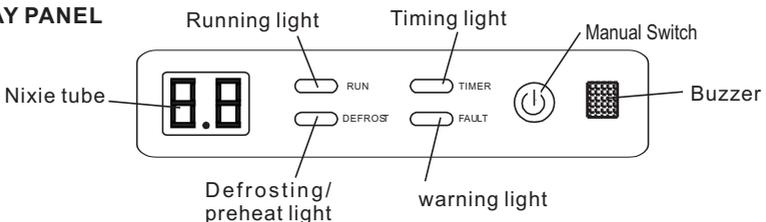
**Infrared signal receiver:** receive the signal from the remote controller.

To make your remote controller operation more efficient, please let remote controller emitter aim at infrared signal receiver.

Buzzer: firstly power supplied or any of remote controller operations will make the buzzer sound once.

Some obstacles occurring in the system will be recognized by intelligent recognition system of unit, lighting on the DISPLAY PANEL flashing show the type of obstacles.

### DISPLAY PANEL



### 3 minutes protection

- Restart the unit at once after stopping or turning it off, compressor will not operate in the first 3min ,this phenomena is one of system functions(self-protection)。

### Feature of heating

- When indoor unit operate in the heat mode, no heat air blows out till3-5min after heat exchanger being warm
- The outdoor fan motor may stop running during operation if outdoor temperature is high.

### Defrost in the process of HEAT mode

- Under the condition that indoor unit operate in heat mode and heat exchanger of outdoor unit frosts.  
The system will defrost for 2-10 minutes to improve heat effect,at this time drain water from outdoor unit.
- During defrosting, outdoor and indoor fan motors stop running.

### Air conditioner operation conditions

The unit can be operated properly within temp range listed below.

Cooling	Outside temp	-7℃ above 43℃ below
	Room temp	17℃ above
	Room humidity	If the AC runs for a long time in COOL mode at air relative humidity higher than 80%(doors or windows opened),dew may generate and drip near air outlet.
Heating	Extertal temp	-7℃ above 21℃ below
	Room temp	31℃ below

The protective device maybe trip and stop the unit beyond temp range listed above.

### Protection Device (high-pressure)

It refers to the device which stop automatically when the air conditioner is enforced to run.The indicator light still flashes when the protection device is on though running has stopped.the checking dictator lamp flashes when

protection device is on. Protection device may start under situations as follows

- ▲ Refrigeration is running.
  - The air inlet and outlet of the outdoor unit are choked.
  - Strong wind goes on blowing outlet of the outdoor unit .
- ▲ Heating is running
  - Ash filter of the indoor .unit is overwhelmed with ashes and garbage.
  - The air outlet of the indoor unit is choked.

**When the protection device is running, please cut off manually operated mains switch and restart the unit after the troubles are solved.**

### CUT OFF ELECTRICITY

- If cut off the electricity during operation, all the running will be stopped.
- Electrify and restart the unit after the electricity is cut off, the running indicator lamp of the indoor is flashing to inform you.
- Restart the unit till the power recovers.

When the mistaken action occur during operation,please cut off the manual switch in case the mistaken action occur during operation which is caused by thunder and wireless automobile. After turn it on again, restart the unit.

### HEATING CAPACITY

- Heating is a way that heat pump absorbs heat from outside and release inside.
- Once the outside temperature decrease, the heating capacity also decrease.
- It is suggest that other heating equipments be used together when outdoor temperature is lower.
- The result will be better if the electric auxiliary heater is purchased additionally especially in the low temperature district.

# OPERATION AND PERFORMANCE

## CHECKS BEFORE OPERATION

- Check if the ground wire is connected well.
- Check if the air filter is installed well.
- You must clean the filter and then start the air conditioner when it is not used for a long time.
- Check that the air outlet or inlet of outdoor unit is not blocked.

## BEST OPERATION

Notice the following items to ensure the system operate at best. The specific operation ways refers to the corresponding content.

Set the temperature properly to make the environment comfortable; avoid overheating or overcooling.

Use window curtain or shutter to avoid penetrated sunshine during COOL mode running.

Please close the door and window. If they are open, the cooling & heating efficiency will be worse.

Please preset the running timer by pressing TIMER key of the remote controller.

Do not put objects near the air outlet & inlet ,otherwise air conditioner efficiency will be lower and even the system will stop running.

The cooling & heating result will be influenced if the air filter is blocked. Please clean the air filter periodically.

## SAFETY RULE

-  **NOTICE** The unit must be installed by professional technician and users cannot installed by themselves. Otherwise it may damage the air conditioner or it is dangerous to you.  
For proper performance, please refers to the installation manual ,otherwise it may cause self-protection or dripping, the cooling & heating result reduce.  
Please adjust room temperature properly, especially when the old man, children, patients stay at home. Lightening and other electromagnetic radiation may cause ill effect. If it is, please plug off the power
-  **WARNING** The power plug should not be install at the places where the children can touch, in case they play with the power plug.  
In the stormy weather, please disconnect the power switch, otherwise lightening may damage it.  
If the unit not be used for a long time, please cut off the power.  
Before cleaning and maintaining the unit, it is safe to disconnect the power switch.
-  **DANGEROUS**
- Never put hands or objects into the air outlet of indoor or outdoor unit. Otherwise, the moving fan with high speed will cause serious injury.
  - Do not touch the louver when it is running or it may clamp your fingers or damage the louver accessory.
  - Never dismantle the air-in grille of the outdoor unit. To touch the moving fan at a high speed will cause serious injury.
  - It is dangerous for children to play with the air conditioner.
  - Do not damper the indoor unit and remote controller. Or it may be short circuit and even fire.
  - Do not use the flammable gas or liquid, such as styling gel, paint, petrol etc. Otherwise fire may take place.
  - If abnormal situation happens, such as abnormal noise, smell, smog, temperature rising, electricity leaking. Please cut off the power immediately and contact with dealers. Do not attempt to repair the air conditioner yourself.

# MAINTENANCE

## Malfuction & Handling Ways

If the following situation happens, please stop running the air conditioner and cut off the power and contact with dealers.

Malfuction Type	" Malfuction " words is shown on the wire controller and give off the sound of buzzer.
	The fuse breaks down or the breaker makes a mistake frequently.
	External material or water enter into the inside of indoor unit.
	Remote controller fail to receive or the switch operation is abnormal.
	Other unusual situation happens.

If the following situation appears, the user should check according to the following request. If the problem cannot be solved ,please contact the dealers.

Malfuction	Reason	Dealing Ways
It cannot start	Power is cut off.	Wait until the power is on.
	Power switch cannot be connected.	Get through the power switch.
	Fuse of power switch breaks down.	Replace the fuse
	The battery of remote controller is exhausted.	Replace the battery
	The time of starting the machine has not got.	Wait or cancel the TIMER setting
Air is blown out but the cooling & heating result is not good.	Temperature is not set properly.	Set the temperature properly and adjust the temperature lower or higher.
	The air filter is blocked by dust.	Clean the air filter.
	The air inlet and outlet of indoor or outdoor unit are blocked.	Clean up the blockage.
	Open the door and window	Close the door and window
Air is blown out but cannot be cooling & heating completely.	Air outlet and inlet are blocked by objects.	Eliminate the blockage first, then operate again.
	Three minutes protection of compressor	Wait
	The temperature setting is not proper.	Set the temperature properly.

⚠ Note: To avoid danger, do not replace the power wire by yourself; do not repair the air conditioner yourself.

## These are not failures

Phenomenon following do not indicate any trouble

### 1.Usual protection

Protective function of compressor.

Compressor can not start within 3 minutes after it stops.

Cold air outlet prevention(In heating mode ).

The indoor fan cannot start if indoor heat exchanger can not reach certain temperature.

(1)Heating starts just now.

(2)Defrosting is going on.

(3)Heating in low temperature ( temperature is too low outside).

## 2. Defrosting

In heating mode, the outdoor heat exchanger may be frosted because the outside temperature is too low. The frost cover may ill effect normal heating effect for AC. Thus, AC will automatically defrost after heating mode is running for a while. In the process of defrostation, the compressor is running with the indoor and outdoor fans stop.

## 3. Indoor unit emit water fog

When the relative humidity is too high in cooling or dehumidity mode, the unit may emit gas like fog because of high relative humidity and great temperature drop.

When the AC return to heating after defrosting, water from defrosting may be evaporated and blown out.

## 4. Noise

When air conditioner is in operation or stops, sound like flowing water occurs and begins louder after 2-3 minutes.

This is the sound comes from refrigerant flowing or condensed draining water.

When AC is in operation or stops zizi sound occur due to little dilatibility of heat exchange for temperature changing.

## 5. ERRATIC SMELL from indoor unit

The indoor unit absorbs the odor of all the matters in the room and emits it in operation Cooling or heating

(cooling type has no such function) converts into air flowing.

When the room temperature reaches the default value, the outdoor unit will automatically stop its operation leaving air flowing only, thus, energy can be saved.

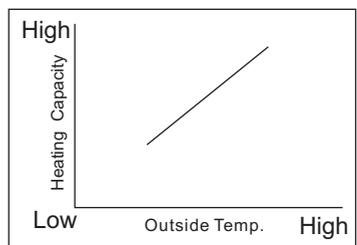
The outdoor unit will not restart until the room temperature rises (cooling mode) or lowers (heating mode) to some extent.

## 6. Condensation appears on the panel of the indoor unit

When it is overly humid in the room (beyond 80%), starting cooling or drying mode may bring out condensation around the air outlet of the panel.

## 7. Air outlet temperature of HEAT mode is not comfortable.

**Air conditioner absorbs caloric from outdoor and releases to indoor in order to heat up the room air during heating process. This is the principle that the heat pump works. Heating absorption decreases when the external temperature is reduce. Its heating ability is therefore lower (refers to the right diagram). At the same time, temperature difference of indoor & outdoor strengthens and then the heating charges is heavier. If the air conditioner operation cannot attain a satisfactory result, We suggest that you can use other heating device for**



## Maintenance

### 1. Please do the following job well if the air conditioner is not used for a long time.

In order to dry the unit completely, set the FAN mode and run for 3-4 hours.

Shut down the air conditioner and cut off the power supply.

## 2. When used again after the unit stops for a long period:

When cleaning the filter and indoor unit, you must stop the unit and cut off power supply. Wipe the indoor unit with soft cloth. It is forbidden to push the machine with petrol, benzene, lye, powder, detergent, insecticide etc., which will damage the unit.

Ensure air inlet and outlet of indoor and outdoor unit are not blocked by rubbish.

Check whether the grounded wire is loose and flexible, then connect the power.

### After-sales service

When your air conditioner can not run in order, please shut down the machine and cut off the power supply immediately. Then contact dealers.

## TROUBLE SHOOTING

Please refer to the following table before declaring repair service.

 <ul style="list-style-type: none"> <li>● White fog or water appear.</li> <li>● Zizi sound often occur</li> <li>● Bad smell</li> <li>● Running lamp flashing</li> <li>● Non priority or waiting lamp flashes</li> </ul>	<ul style="list-style-type: none"> <li>● Begin defrosting and stop fan motor running</li> <li>● Electromagnetic valve make sounds while defrosting begins or end</li> <li>● When air conditioner is in operation or stops, sound like flowing water occurs and begins louder after 2-3 minutes. This is the sound comes from refrigerant flowing or condensed draining water.</li> <li>● When air conditioner is in operation or stop, su sound occur due to little dilatibility of heat exchange for temperature changing.</li> <li>● Dust from wall carpet , clothes, cigarette, cosmetic, etc attached on the air conditioner.</li> <li>● Switch on the power supply after power failure, running lamp is flashing</li> <li>● It does not run in the mode of cooling due to other indoor units in the mode of heating</li> <li>● When the set mode is contrary to default mode (heating)</li> <li>● Fan stops for preventing cool air blows out.</li> <li>● When used as multi-drive unit, indicator lamp flashing and running stop.</li> </ul>
<p style="text-align: center;">Auto stop or auto start</p>  <ul style="list-style-type: none"> <li>● No running</li> </ul>	<ul style="list-style-type: none"> <li>● Whether use TIMER ON button without intention</li> <li>● Whether power fail;</li> <li>● whether manual switch is on;</li> <li>● whether the fuse breaks;</li> <li>● whether the protector starts</li> <li>● whether setting time of "TIMER" approach</li> </ul>
 <ul style="list-style-type: none"> <li>● Cooling&amp;heating effect is not good.</li> </ul>	<ul style="list-style-type: none"> <li>● Whether air inlet or outlet of outdoor unit is blocked</li> <li>● Whether door or windows are open</li> <li>● Whether the filter is accumulated by dust</li> <li>● Whether the position of loaver is proper;</li> <li>● Whether FAN mode is set too low or whether MODE is set to END</li> <li>● Whether the temperature is set properly.</li> <li>● If choose the COOL and HEAT at the same time.</li> </ul>

## WIRING DIAGRAM

**CAUTION:** These units must be wired and installed in accordance with all national and local safety codes.

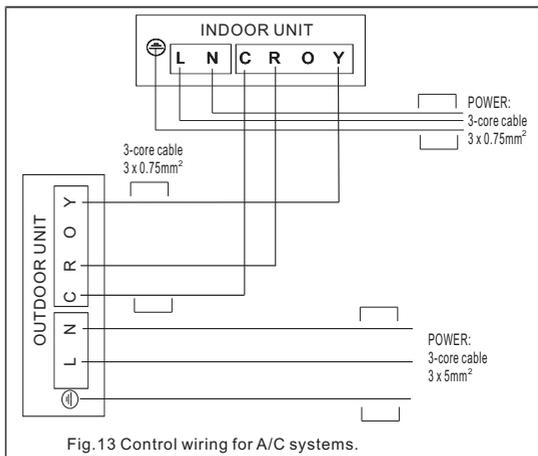
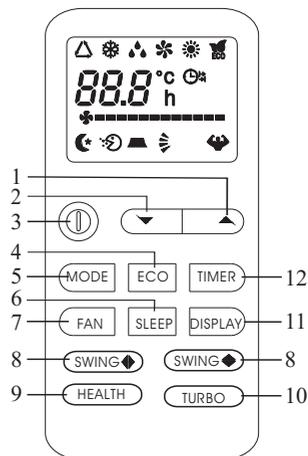


Fig.13 Control wiring for A/C systems.

## REMOTE CONTROLLER

No.	Button	Function
1	▲ (TEMP UP)	Increase the temperature or time by 1 unit
2	▼ (TEMP DN)	Decrease the temperature or time by 1 unit
3	ON/OFF	To switch the conditioner on and off.
4	ECO	In cooling mode, press this button, the temperature will increase 2°C on the base of setting temperature In heating mode, press this button, the temperature will decrease 2°C on the base of setting temperature
5	MODE	To select the mode of operation
6	SLEEP	To activate the function "SLEEP"
7	FAN	To select the fan speed of auto/low/mid/high
8	SWING	To activate or deactivate of the movement of the "DEFLECTORS".
9	HEALTHY	To switch - on /off HEALTHY function. It is a button which controls the ionizer or plasma generator only for inverter type.
10	TURBO	In cooling mode, press this button, the unit will give the maximum cooling temperature with 16°C In heating mode, press this button, the unit will give the maximum heating temperature with 31°C
11	DISPLAY	To switch on/off the LED display (if present)
12	TIMER	To set automatic switching-on/off

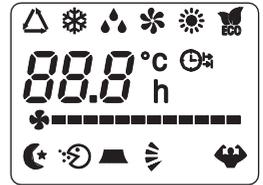


- ⚠ The outlook and some function of remote control may vary according to the model.
- ⚠ The shape and position of buttons and indicators may vary according to the model, but their function is the same.
- ⚠ The unit confirms the correct reception of each press button with a beep.

## Remote control DISPLAY

### Meaning of symbols on the liquid crystal display

No.	Symbols	Meaning
1		FEEL mode indicator
2		COOLING indicator
3		DEHUMIDIFYING indicator
4		FAN ONLY OPERATION indicator
5		HEATING indicator
6		TIMER OFF indicator
7		TIMER ON indicator
8		AUTO FAN indicator
9		LOW FAN SPEED indicator
10		MIDDLE FAN SPEED indicator
11		HIGH FAN SPEED indicator
12		SLEEP indicator
13		SUPER indicator
14		HEALTHY indicator
15		ECO indicator
16		BATTERY indicator
17		BATTERY indicator
18		CLOCK indicator



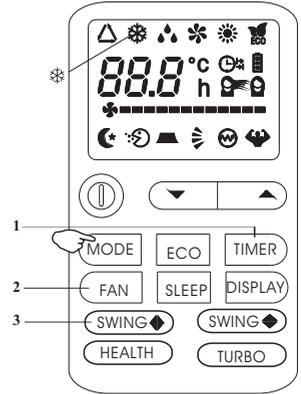
## COOLING MODE

The cooling function allows the air conditioner to cool the room and at the same time reduces the humidity in the air.

To activate the cooling function ( COOL ) , press the MODE button until the symbol ☀ appears on the display.

The cooling cycle is activated by setting the keys ▲ or ▼ at a temperature lower than that of the room.

To optimize the functioning of the conditioner, adjust the temperature ( 1 ) , the speed ( 2 ) and the direction of the air flow ( 3 ) by pressing the keys indicated



## HEATING MODE

The heating function allows the air conditioner to produce hot air.

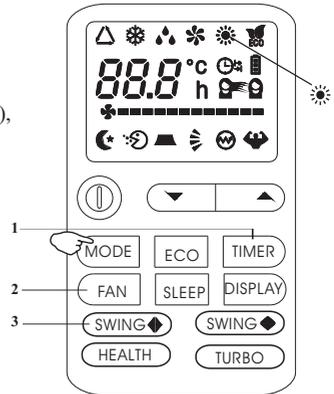
To activate the heating function ( HEAT ) , press the MODE button until the symbol ☀ appears on the display.

With the keys ▲ or ▼ set a temperature higher than that of the room..

To optimize the functioning of the conditioner adjust the temperature ( 1 ) , the speed ( 2 ) and the direction of the air flow ( 3 ) by pressing the keys indicated

⚠ The appliance is fitted with a Hot Start function, which delays appliance to startup in a few seconds to ensure an immediate output of hot air.

⚠ In HEATING operation, the appliance can automatically activate a defrost cycle, which is essential to free the condenser from an excessive deposit of frost. This procedure usually lasts for 2-10 minutes during defrosting, fans stop operation. After defrosting, it returns to HEATING mode automatically.



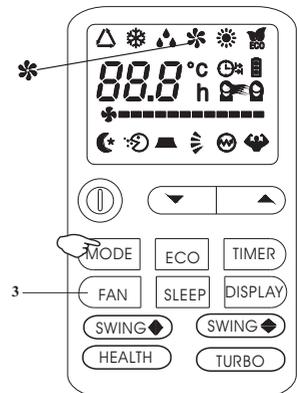
## FAN MODE

The conditioner works in only ventilation.

To set the FAN mode , Press MODE until ☀ appears in the display. While pressing FAN button the speed changes in the following sequence: LOW/ MEDIUM/HIGH /AUTO in FAN mode.

The remote control also stores the speed that was set in the previous mode of operation.

In FEEL mode (automatic) the air conditioner automatically chooses the fan speed and the mode of operation (COOLING or HEATING).



## TIMER MODE----TIMER ON

To set the automatic switching on of the air conditioner.

To program the time start,the appliance should be off.

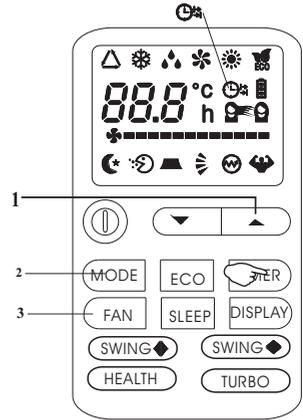
Press **TIMER** ,Set the temperature with pressing the key **▲** or **▼**.Press **TIMER** Again , set the time with pressing the key **▲** or **▼** , Press the key more times till on the display you can read the time which passes between the programming and the timed start.

### IMPORTANT!

Before proceeding with the timed start : program the working mode with the key **MODE(2)** and the fan speed with the key **FAN(3)** . Switch the conditioner off (with the key **ON/OFF** ) .

Note:To cancel the setted function ,press the **TIMER** button again.

Note:In case of power off,it is necessary to set **TIMER ON** again.



## TIMER MODE----TIMER OFF

To set the automatic switching-off of the air conditioner.

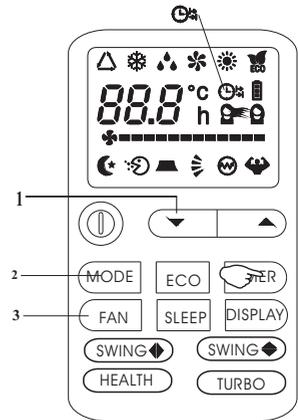
The timed stop is programmed with the appliance on.

Press **TIMER** ,Set the time pressing the key **▲** or **▼** , Press the key more times till on the display you can read the time which passes between the programming and the timed stop.

Note:To cancel the setted function ,press the **TIMER** button again.

Note:In case of power off,it is necessary to set **TIMER OFF** again.

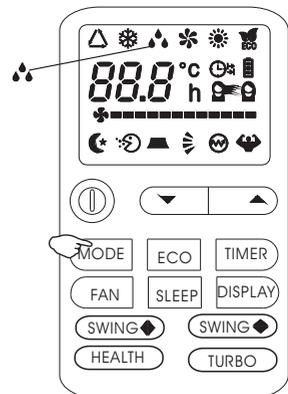
Note: While the time was right settled, the **TIMER** function of this remote(clock function) can set by half hours.



## DRY MODE

This function reduces the humidity of the air to make the room more comfortable.

To set the **DRY** mode ,Press **MODE** until **☁** appears in the display . An automatic function of alternating cooling cycles and air fan is activated.

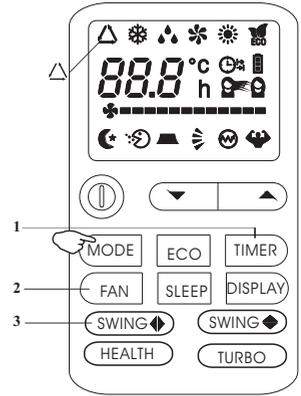


## FEEL MODE

To activate the FEEL (automatic) mode of operation, press the MODE button on the remote control until the symbol  $\Delta$  appears in the display. In the FEEL mode the fan speed and the temperature are set automatically according to the room temperature (tested by the probe which is incorporated in the indoor unit) to ensure user comfort.

Ambient temp	Operation mode	Auto temp.
< 20°C	HEATING (FOR HEAT PUMP TYPE) FAN (FOR COOL ONLY TYPE)	23°C
20°C~26°C	DRY	18°C
> 26°C	COOL	23°C

To optimize the working of the conditioner, adjust the temperature(only  $\pm 2^\circ\text{C}$ ) (1), the speed (2) and the direction of the air flow (3) by pressing the buttons indicated .

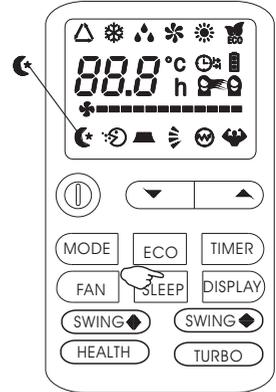


## SLEEP MODE

To activate the SLEEP mode of operation, press the SLEEP button on the remote control until the symbol (AUTOQUIET) appears in the display. The function "SLEEP" automatically adjusts the temperature to make the room more comfortable during the night sleep. In cooling or dry mode, the set temperature will automatically raise by 1°C every 60 minutes, to achieve a total rise of 2°C during the first 2 hours of work.

In heating mode the set temperature is gradually decreased by 2°C during the first 2 hours of work.

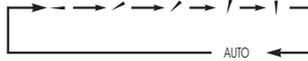
After 10 hours running in sleep mode the air conditioner is switched off automatically.



## ■ Air flow direction adjustment procedure

### Adjusting air flow direction

- Up/down direction can be adjusted by using the AIRFLOW button on the remote controller. This button, each time pressed, changes the mode in the following sequence:



- push the LOUVER button, changes the mode to swing louver. Push the button, to stop swing.

#### NOTE

- When the room temperature controller(thermostat)trips in the heating mode or when the defrosting operation is conducted,the blow flap changes automatically to the horizontal position.
- When the heating operation has just started and the room temperature is still low,it may take a little time before the flap moves to the above sway operation angle.
- The flap may stop at the tilted down-blow position during the“Sway operation”in the heating mode,

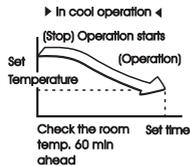
## ■ About TIMER operation

### About Amenity reservation

Amenity reservation function is provided to start the operation a little earlier so that the room temperature is near the optimum temperature at the timer ON time in case of starting the operation by TIMER ON/OFF.

#### • Mechanism

- Checking of the room temperature starts 60 minutes ahead of the timer ON time. Depending on the temperature at that time, operation starts 5 to 60 minutes ahead of the timer ON time.
- Amenity reservation is the function only for COOL and HEAT operation mode (including AUTO). It does not activate in DRY mode.



### About SLEEP Operation

When the SLEEP operation is selected, the room temperature is automatically controlled with elapsed time so that the room isn't too cool during cooling or too warm during heating.

- During cooling and dry: Present temperature is raised 1°C in an hour (when the timer is set), and 2°C raise in two hours. Then the temperature doesn't change ever.
- During heating: Present temperature is lowered 1°C in an hour (when the timer is set), and 2°C lower in two hours. Then the temperature doesn't change ever.

## ■ About FAN SPEED

- Capacity of the air conditioner can be selected by your choice. During heating or cooling.

Operation capacity by your choice	FAN SPEED
Set automatically by microcomputer	AUTO
Powerful operation with high capacity	HI
Standard operation	MED
Energy-saving operation	LO

## ■ About power-off memory function

- When the air conditioner disconnect the power suddenly, restart it, the air conditioner operates at the mode it did before power suddenly failed.
- The wire control don't have this function

## ■ Remote controller handling procedure

### Batteries replacing procedure

Following cases signify dead cells. Replace the dead batteries with new ones.

- Receiving sound is not emitted from the unit when signal is transmitted.
- Indicator becomes indistinct.

<b>1</b>	Please slide and remove the cover.
<b>2</b>	Exchange the batteries.
<b>3</b>	Install the cover.
<b>4</b>	Set it to the present time.

#### NOTE

- Do not use an old battery together with a new one.
- Remove cells when the remote controller is not used for a long period.
- The life of a cell made in conformity to JIS or IEC is 6 to 12 months in normal use. If it is used longer or an unspecified cell is used, a liquid leaks from the cell, causing the remote controller inoperative.

- Guideline of the life time is printed on the battery. The battery life may be shorter than that of the air conditioner depending on the date of manufacture.
- However, the battery may be alive even after the nominal life time expired.

### Note of remote controller handling

<ul style="list-style-type: none"> <li>• A place with high temperature such as near an electric carpet or a stove.</li> </ul>	<ul style="list-style-type: none"> <li>• A place unprotected from direct sunlight or strong lighting.</li> </ul>	<ul style="list-style-type: none"> <li>• It will be damaged if fallen. Be careful.</li> </ul>
<ul style="list-style-type: none"> <li>• Do not put obstacles between the remote controller and the unit.</li> </ul>	<ul style="list-style-type: none"> <li>• Protect the remote controller from being splashed with water, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Do not put weights on the remote controller.</li> </ul>