



Package Air Conditioner OWNER'S MANUAL

Before using your air conditioner,
please read this manual carefully and keep
it for future reference.

When using this air conditioning unit,
please read the instructions provided by the utility
company to ensure proper installation and safety.
For more information, please refer to the 3-3 Normal

Safety Precautions

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Safety precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed.

■ Incorrect operation due to ignoring of 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** ⌋ _____

■ **Do not install, remove and re-install the unit by yourself.**

Improper installation will cause water leakage, electrical shock, or fire. Please consult authorized dealer or specialist for the installation work.

⌋ ⚠ **WARNING** ⌋

Do not use damaged or unspecified power cables.

- It will cause electrical shock or fire.

Do not operate with wet hand.

- It will cause electrical shock.

Do not insert anything into the air filter air outlet.

- Since the fan rotates at high speed, this may cause an injury or damage the unit.

Do not expose the skin directly to cold air for long periods.

- This could damage your health.

When an abnormality (smell or burning, etc) occurs, stop the air conditioner, and disconnect the power cord from the power outlet.

- If the unit continues to operate in an abnormal condition, it may cause fire, damage, etc. In this case, consult your dealer.

Repair or relocation should not be done by the customer.

- If this is done incorrectly, it may cause a fire, electric shock, injury by dropping of the unit, water leakage, etc. Consult your dealer.

2

CAUTION

- Contact the authorized Service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The air conditioner is not intended for use by young children or infirm persons without supervision.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.

⚠ CAUTION ⚠

When the air filter is to be removed, do not touch the fan.

- It may cause an injury.
- Should be disconnected from supply

Do not clean the air filter with water.

- Water may enter the unit and degrade the insulation. It may cause an electric shock.

Ventilate well when using the air conditioner.

- An oxygen shortage may occur.

When the unit is to be disconnected from the power supply, turn off the circuit breaker.

- It may cause an electric shock, burning.

Do not put a pet or house plant in front of the air conditioner.

- This could injure the pet or plant.

Do not use for special purposes.

- Do not use this air conditioner to preserve precision devices, food, animal, plants, and art objects. It may cause deterioration of quality, etc.

Do not operate switches.

- It may cause an electric shock.

Do not apply an insulating tape or other material to the cabinet.

- It may cause a fire or deformation of the cabinet.

Do not put a stove, etc. where the air conditioner is installed.

- It may affect combustion.

When the unit is not going to be used for a long time, turn off the circuit breaker.

- If not, dirt may collect and cause a fire.

Do not operate for a long time in high humidity, e.g. leaving a door or window open.

- In the cooling mode, if it is operated in a room with high humidity (80%RH or more) for a long time, water condensed in the air conditioner may drop and may wet and spoil furniture, etc.

Do not step on the indoor/outdoor unit and do not put anything on it.

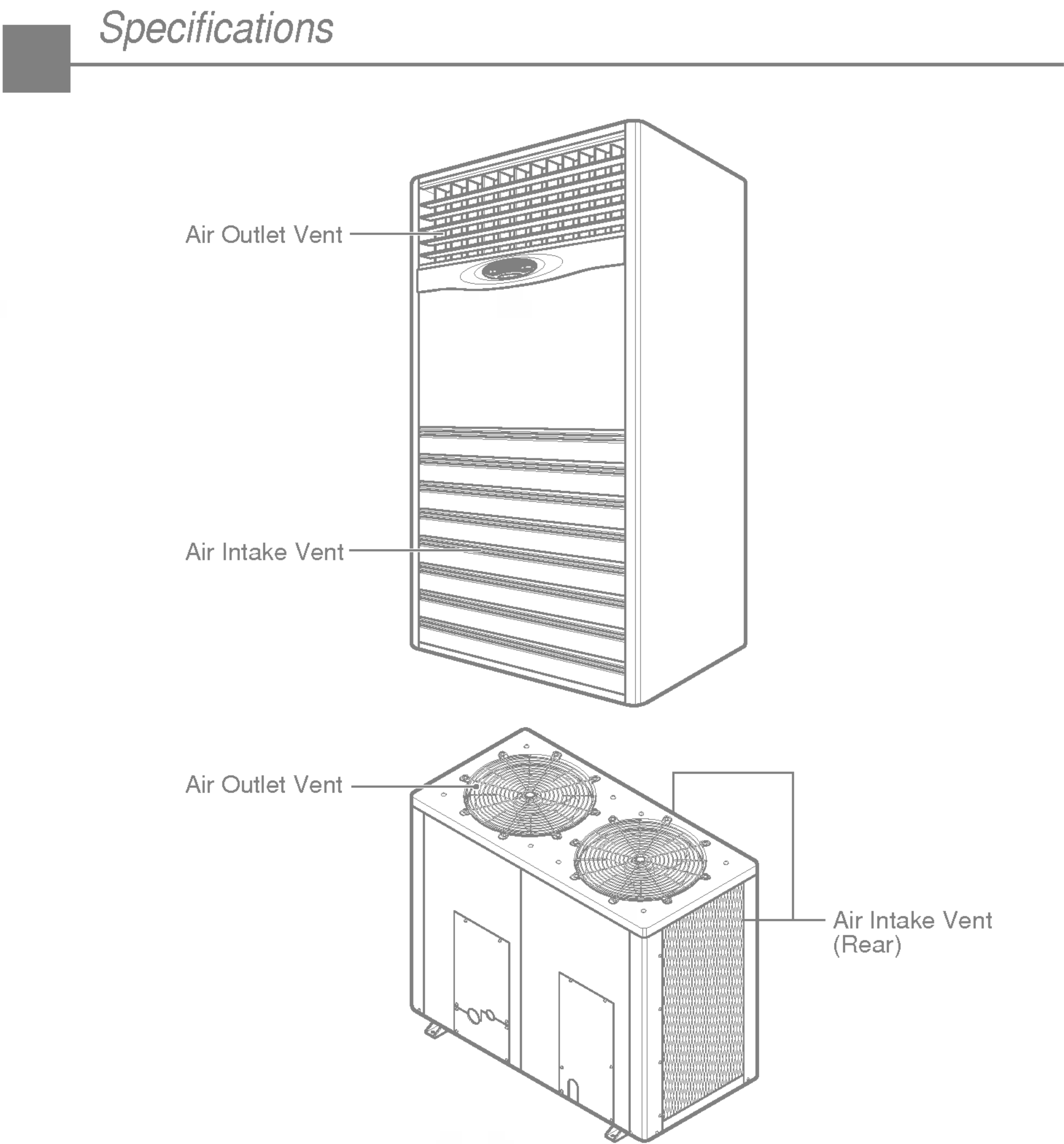
- It may cause an injury through dropping or falling down.

Do not open the air inlet grille during operation.

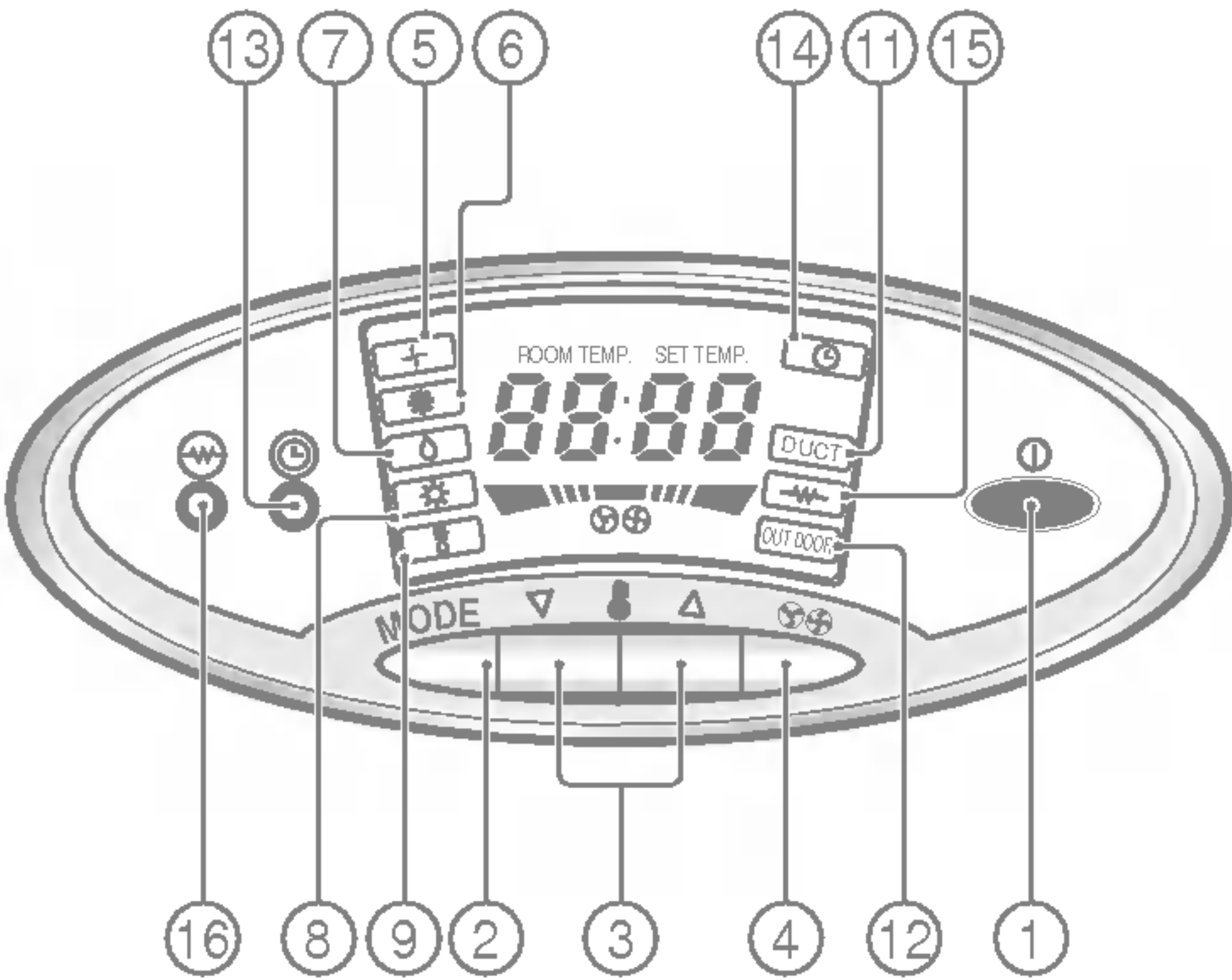
- It may cause an injury, electric shock by the high voltage.

Preparation before operation

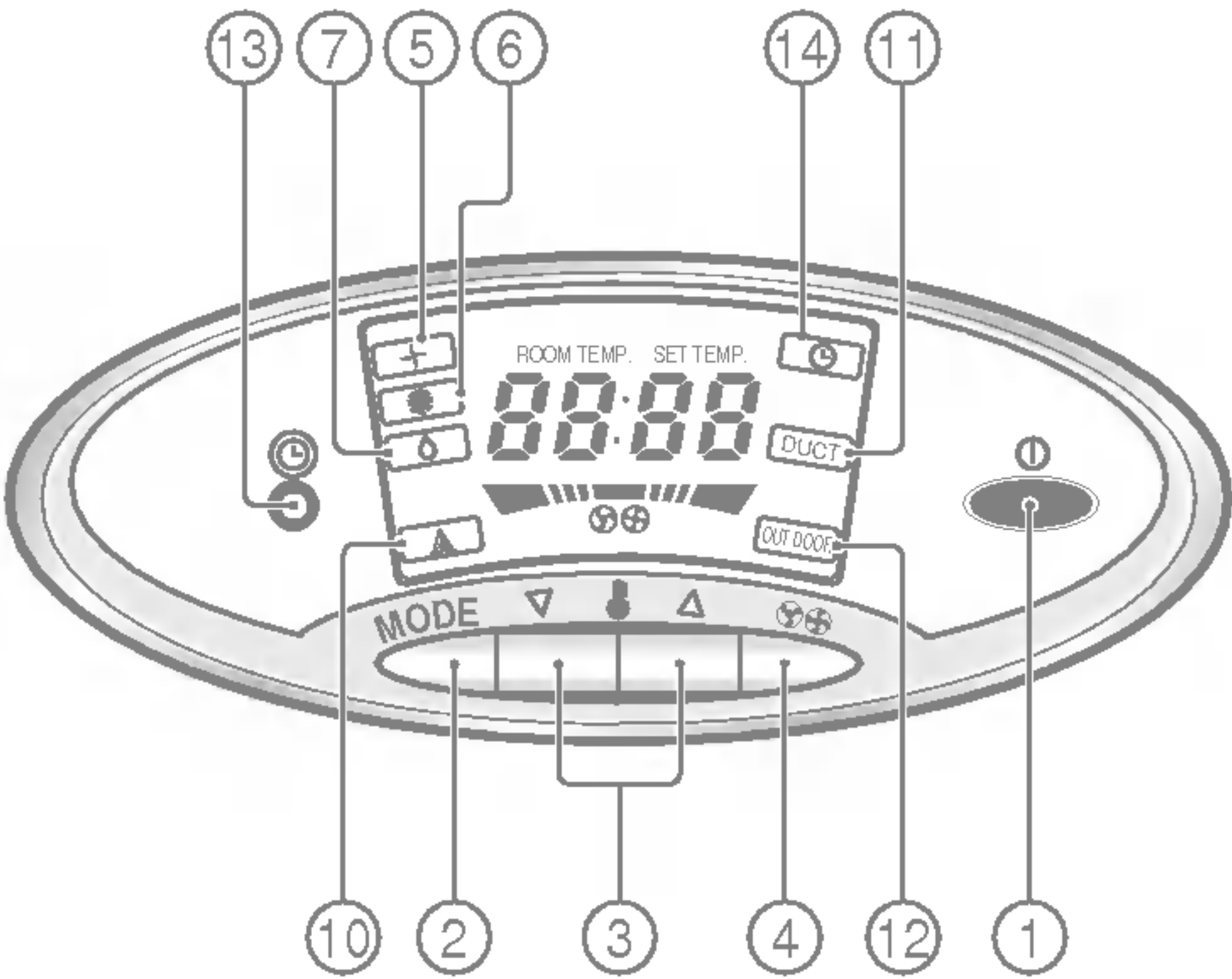
- Features
- DESIGN FOR COOLING AND HEATING
 - SUPER ENERGY EFFICIENCY
 - MICOM CONTROL
 - WHISPER QUIET OPERATION
 - 2 COOLING/HEATING SPEEDS
 - REMOVABLE AIR FILTER
 - ANTI-BACTERIA FILTER
 - 3 MINUTES DELAY CIRCUIT



Display



<HEAT PUMP MODEL>



<COOLING MODEL>



START/STOP BUTTON

Operation starts when this button is pressed and stops when the button is pressed again.



OPERATION MODE SELECTION BUTTON

Used to select the operation Mode.



ROOM TEMPERATURE SETTING BUTTONS

Used to select the room temperature.



INDOOR FAN SPEED SELECTION

Used to select fan speed in two steps-low, high.



FAN OPERATION LAMP



COOLING OPERATION LAMP



SOFT DRY OPERATION LAMP



HEATING OPERATION LAMP



DEFROST OPERATION LAMP



AUTO OPERATION LAMP



DUCT AIR FLOW LAMP(OPTION)



OUTDOOR UNIT OPERATION LAMP



**TIMER SETTING BUTTON
(OPERATION STOPS AT ON)**



TIMER OPERATION LAMP



ELECTRIC HEATER OPERATION LAMP

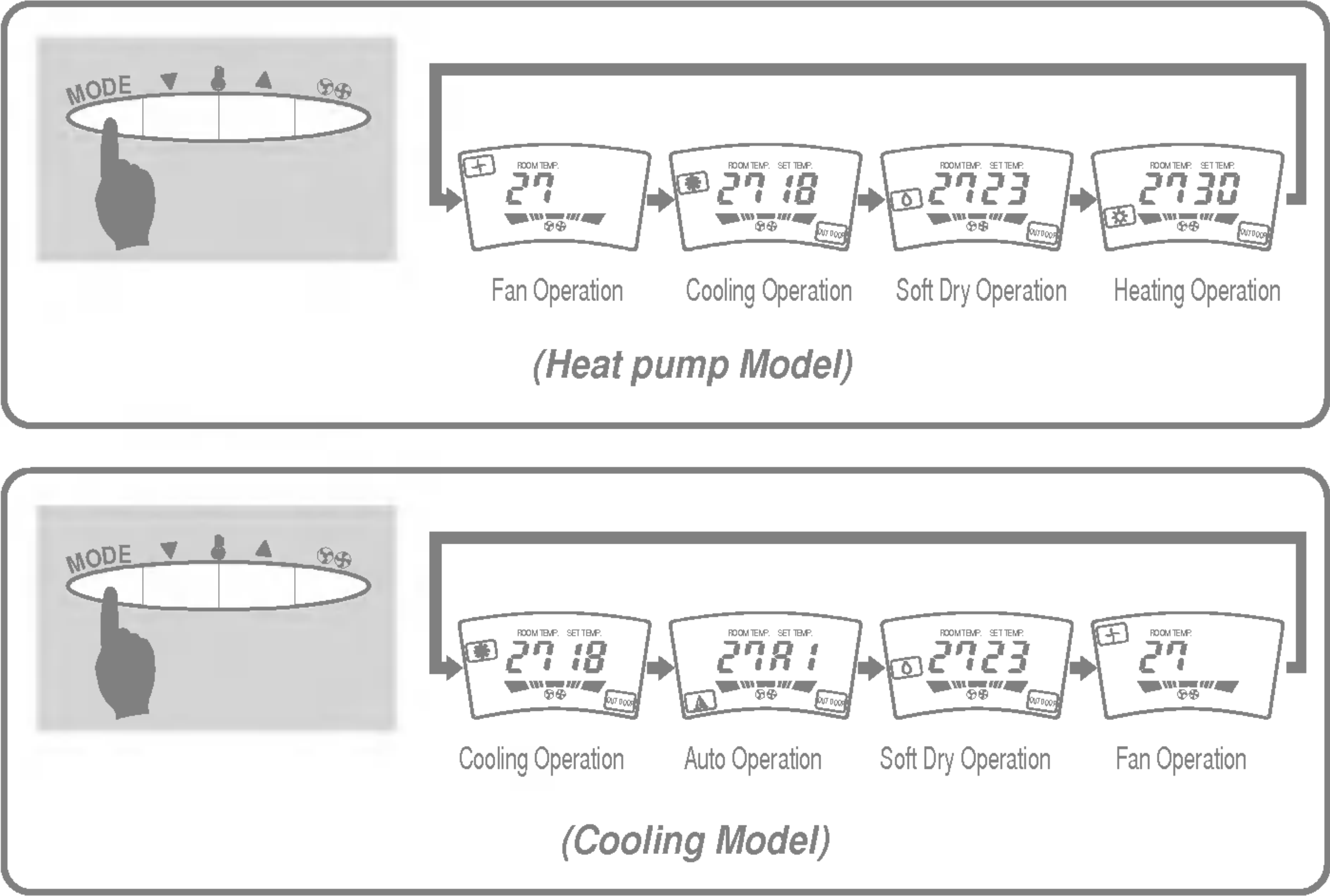


**ELECTRIC HEATER OPERATION
BUTTON(OPTION)**

Air conditioner operation

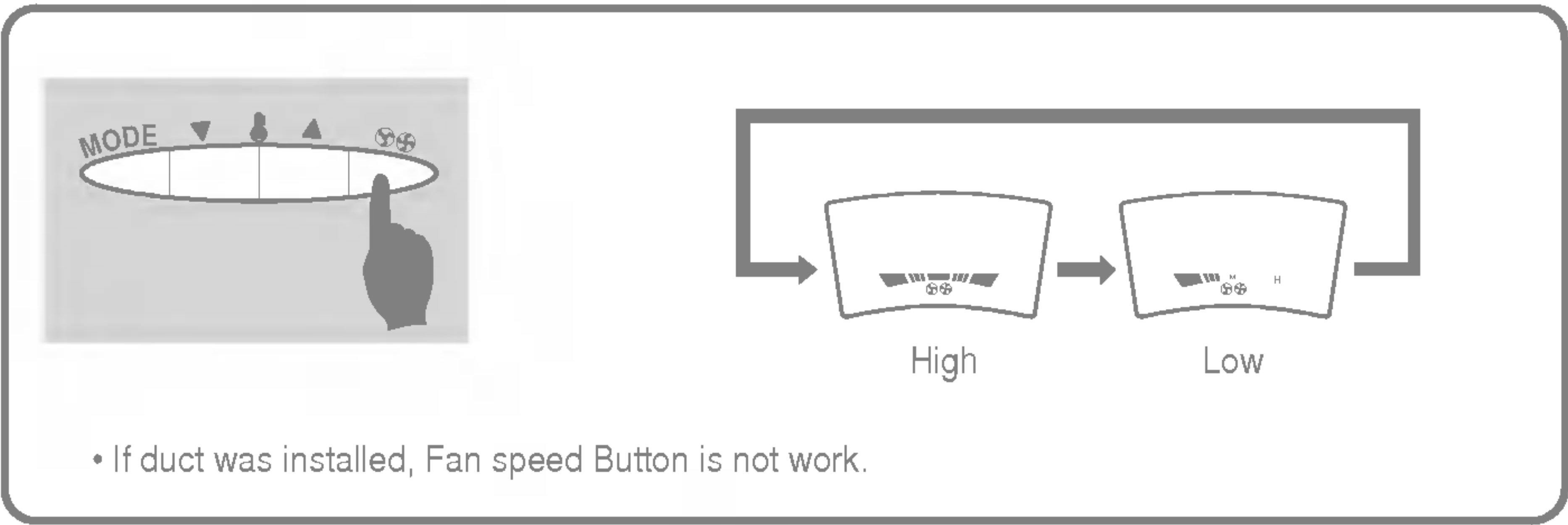
How to use the Operation Mode Button

- Each time the Operation Mode Selection Button is pressed, the Operation Mode is shifted in the arrow direction.



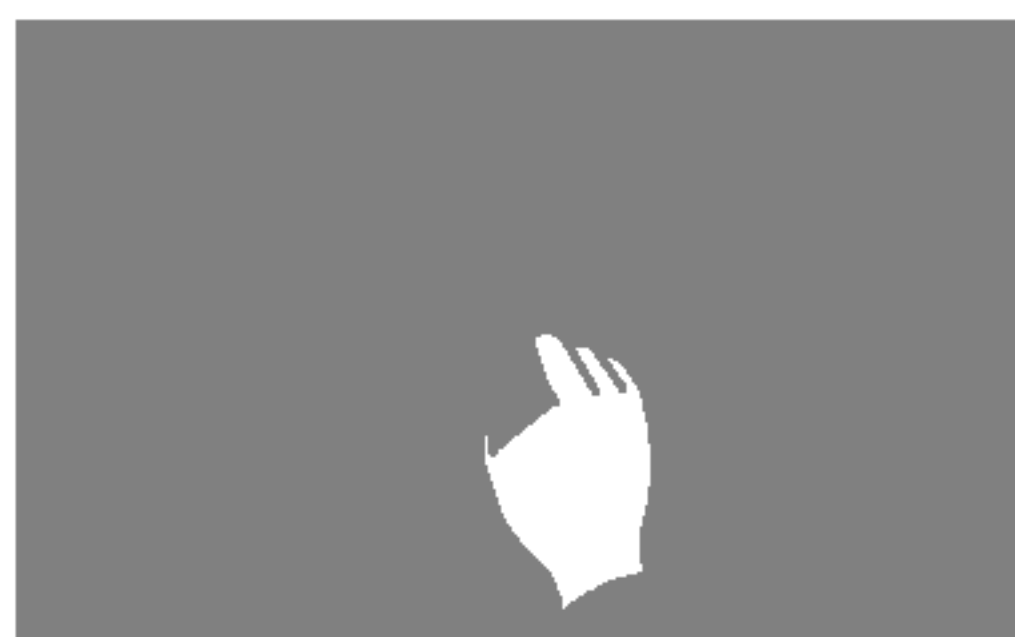
How to use the Fan speed Button

- Each time the Fan speed Button is pressed, the Fan speed is shifted in the arrow direction.

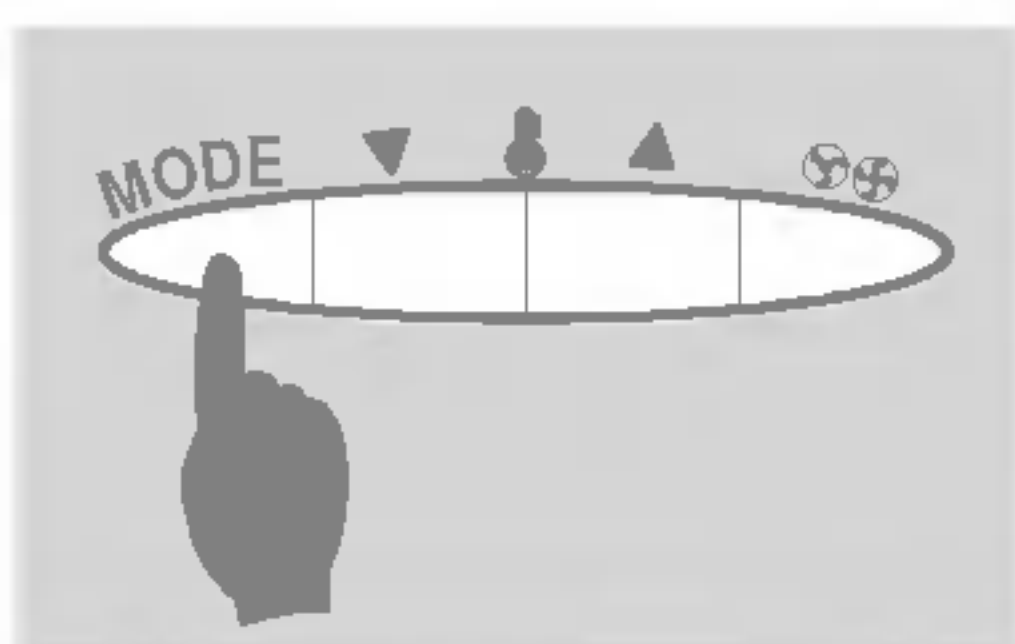


Cooling Operation Mode

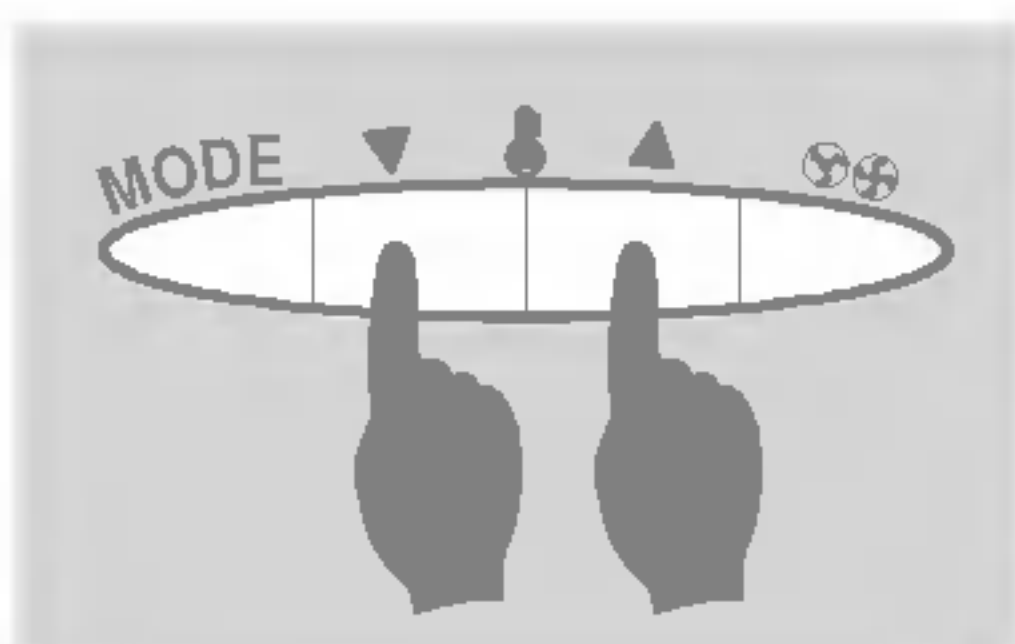
- 1 Press the Start/Stop Button.



- 2 Select Cooling Operation.
Press the Operation Mode Selection Button.

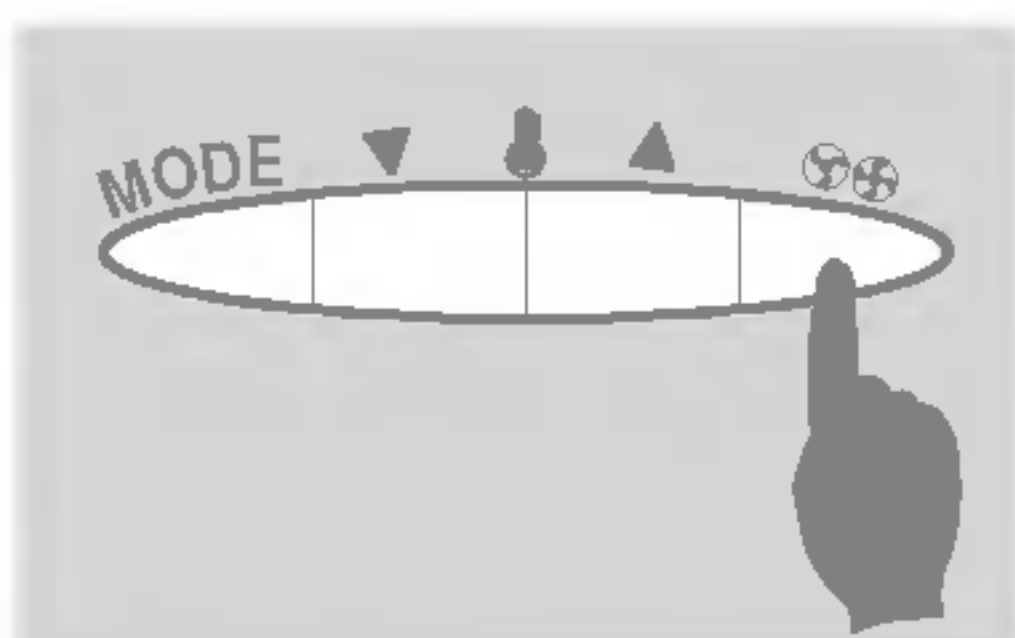


- 3 Set the temperature lower than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1°C.



- Press the Δ or ∇ button { Δ To raise the temperature.
 ∇ To lower the temperature.

- 4 Set the Fan Speed.

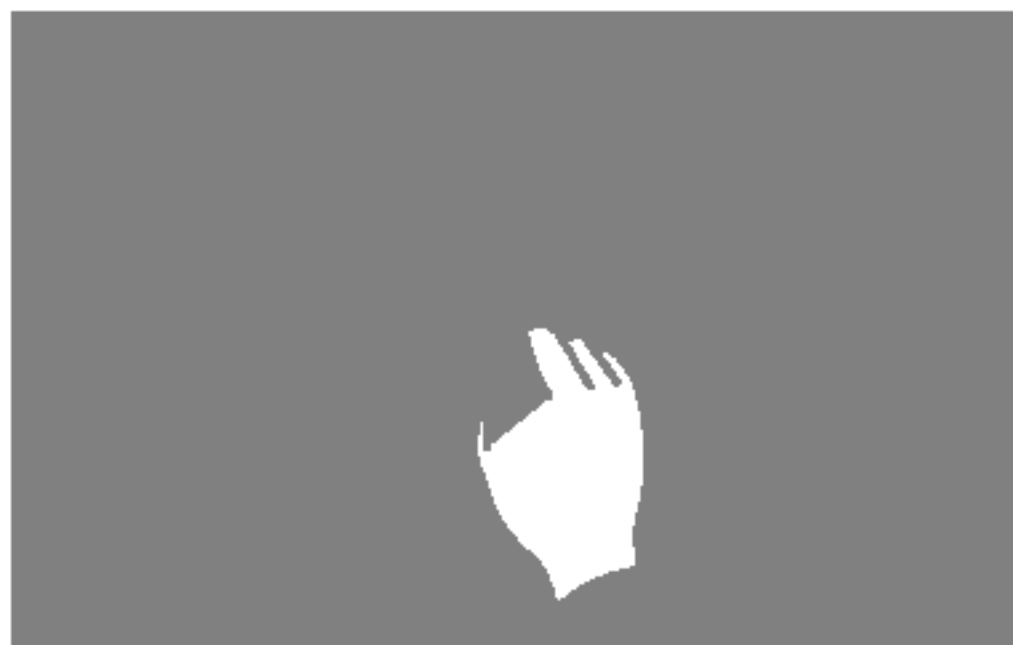


- Each time the Button is pressed, the Fan Speed mode is shifted. (HIGH $\Rightarrow$ LOW)

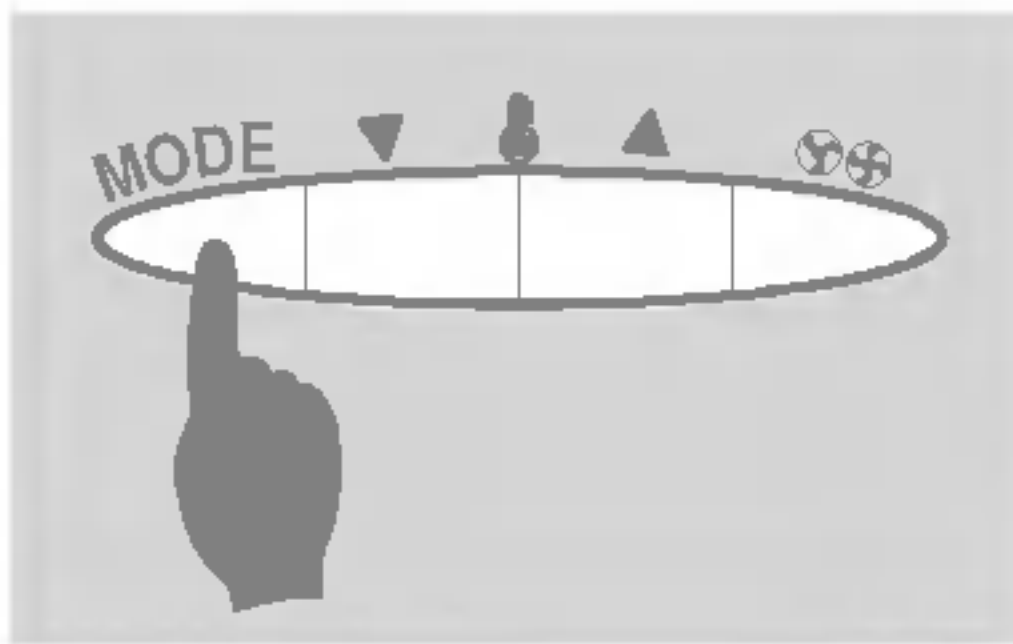


Soft Dry Operation

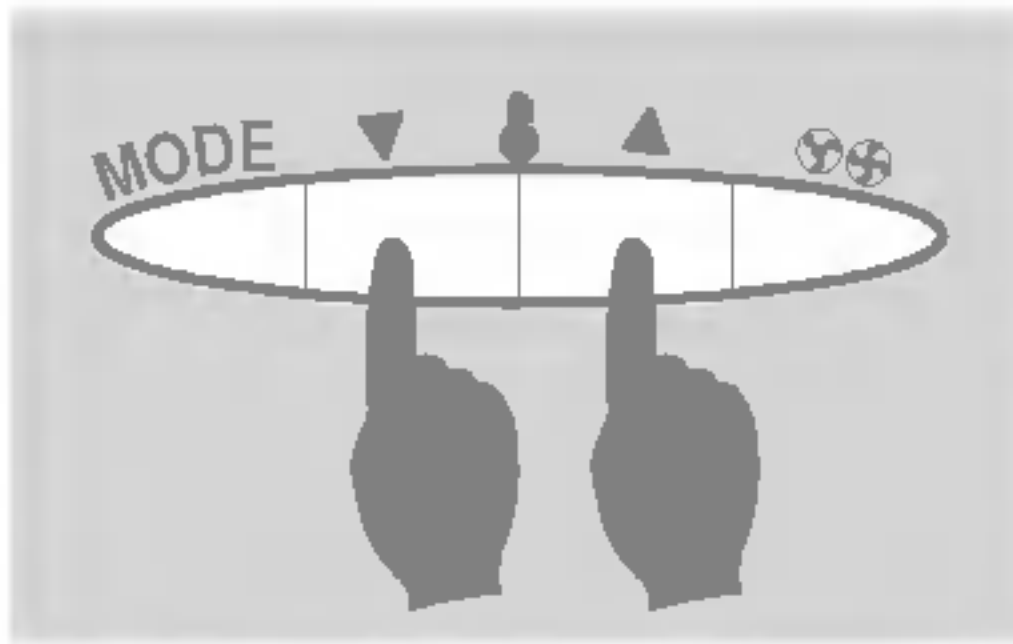
1 Press the Start/Stop Button.



2 Select Soft Dry Operation.
Press the Operation Mode Selection Button.



3 Set the temperature lower than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1°C.



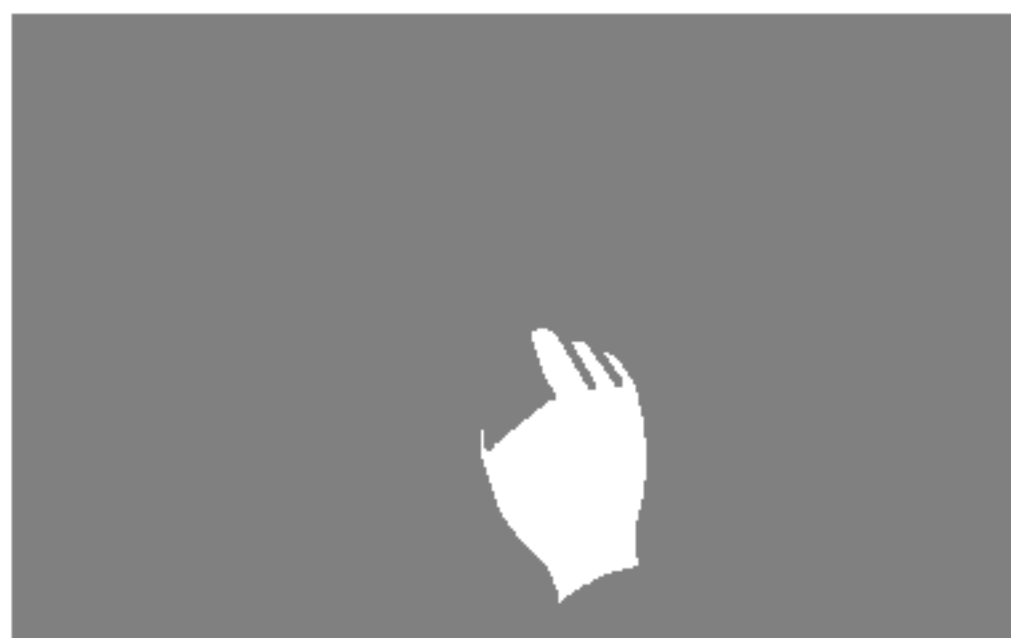
- Press the Δ or ∇ button { Δ To raise the temperature.
 ∇ To lower the temperature.

During softy Dry Operation

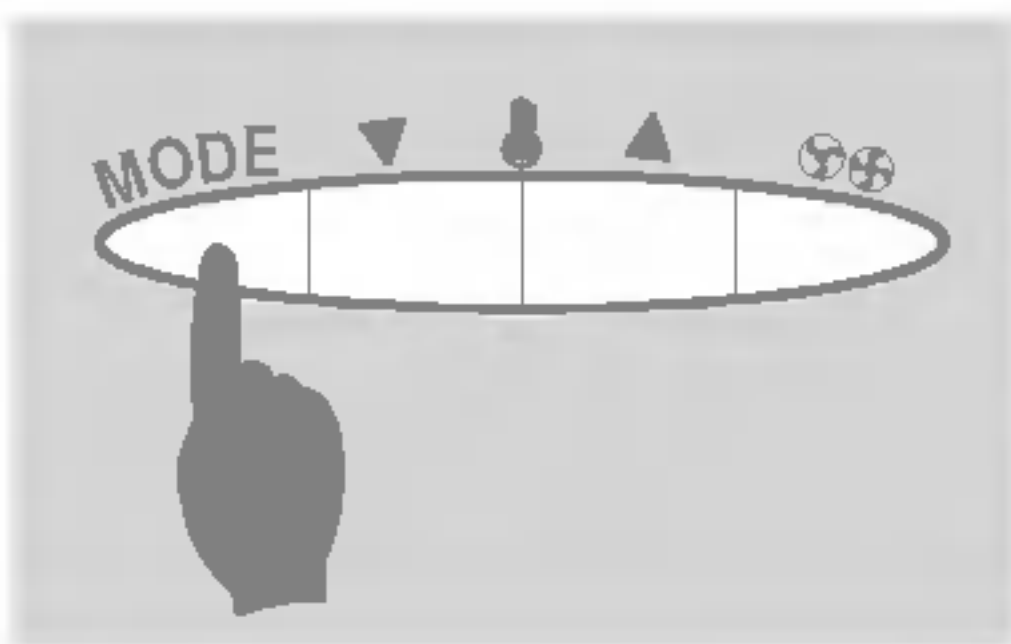
- The indoor fan speed is automatically set to low and cannot be adjusted.

Heating Operation Mode(Heat pump model)

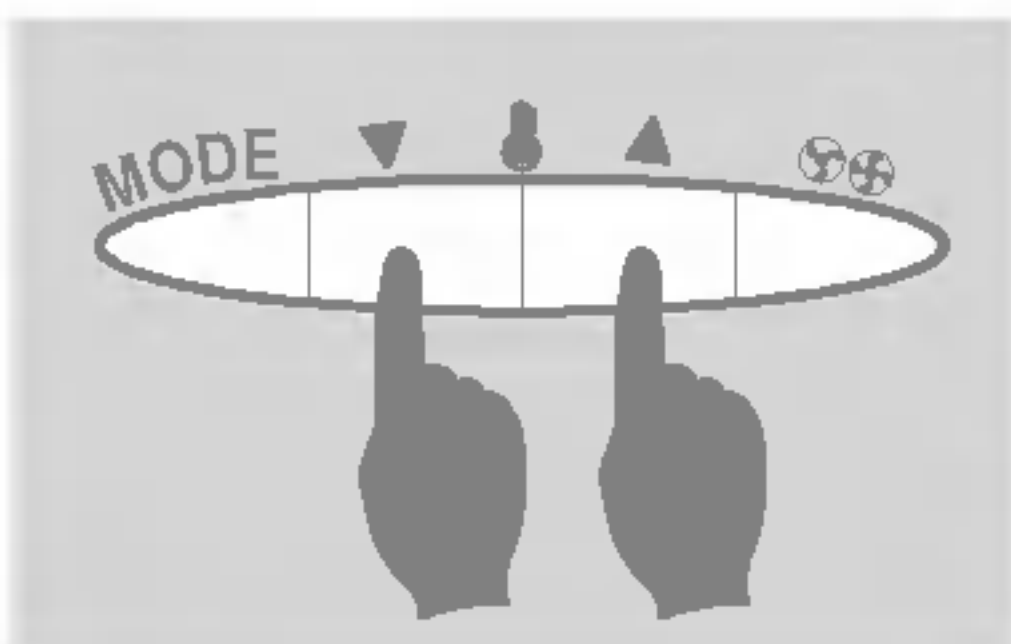
1 Press the Start/Stop Button.



2 Select heating Operation.
Press the Operation Mode Selection Button.

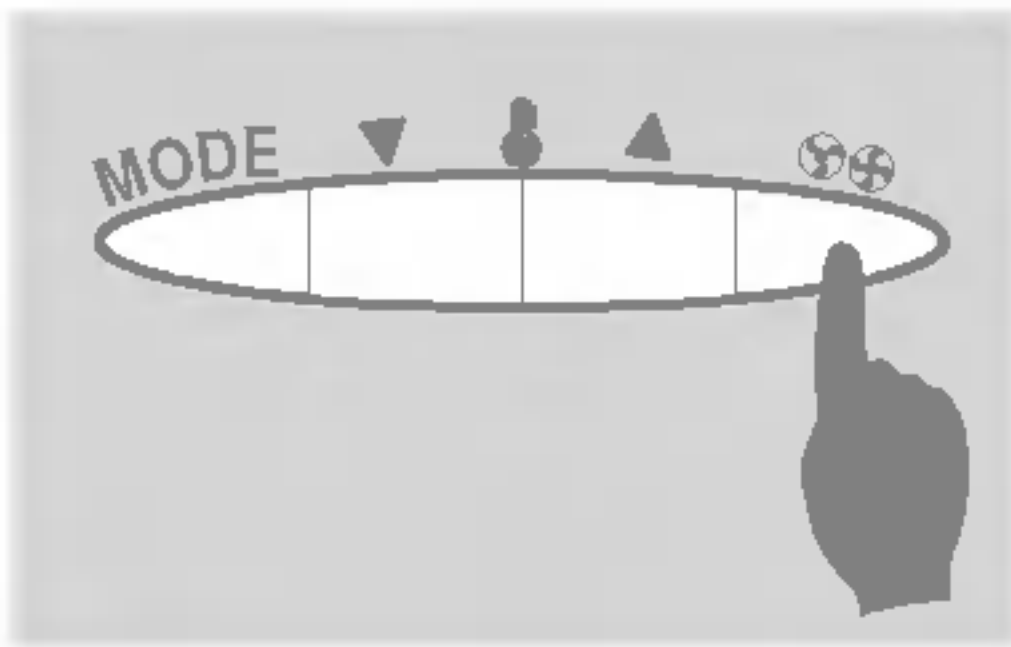


3 Set the temperature upper than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1 °C.



- Press the Δ or ∇ button { Δ To raise the temperature.
 ∇ To lower the temperature.

4 Set the Fan Speed.

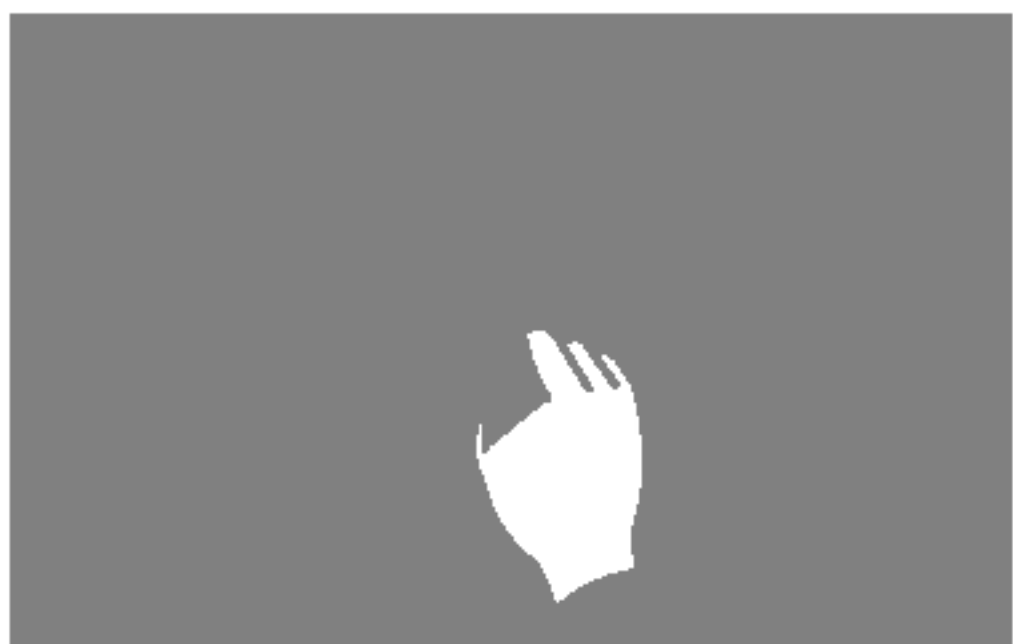


- Each time the Button is pressed, the Fan Speed mode is shifted.

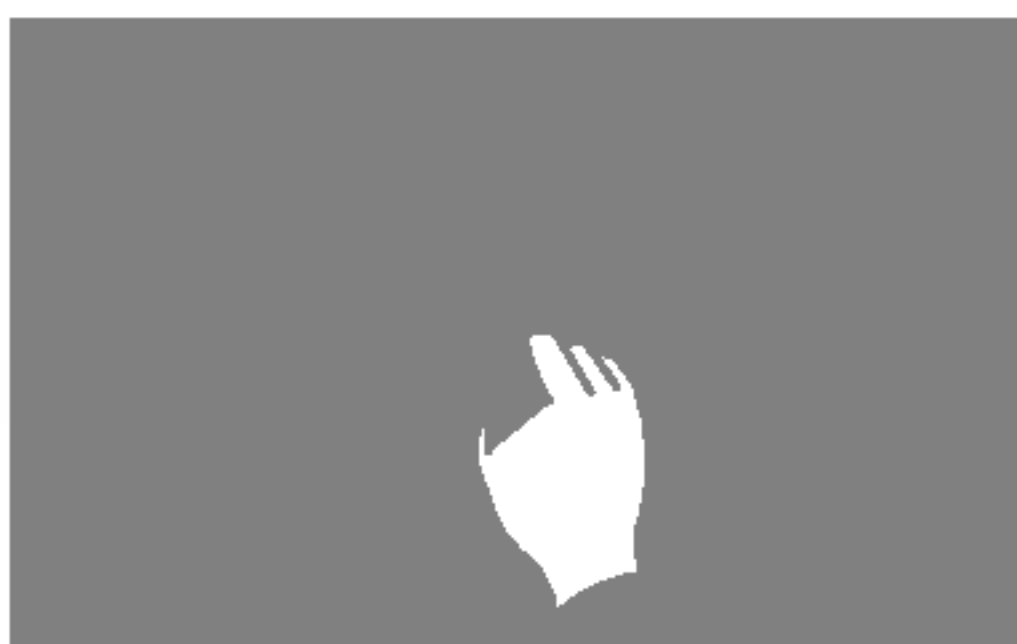
Electric Heater Operation Mode(Optional)

- This mode is designed to be used wher the unit operate in heating mode
- This mode is option

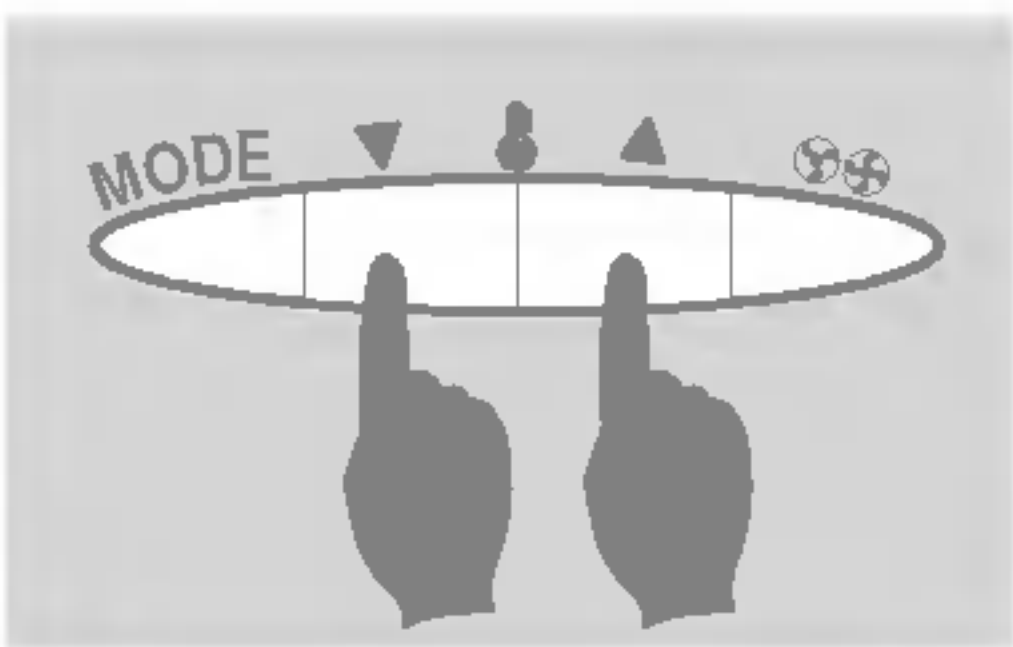
1 Press the Start/Stop Button.



2 Select heating+ E/heater Operation.
① Press the Operation Mode Selection Button to select heating Operation.
② Press the E/Heater Operation Button.
(When the unit operates in heating mode).

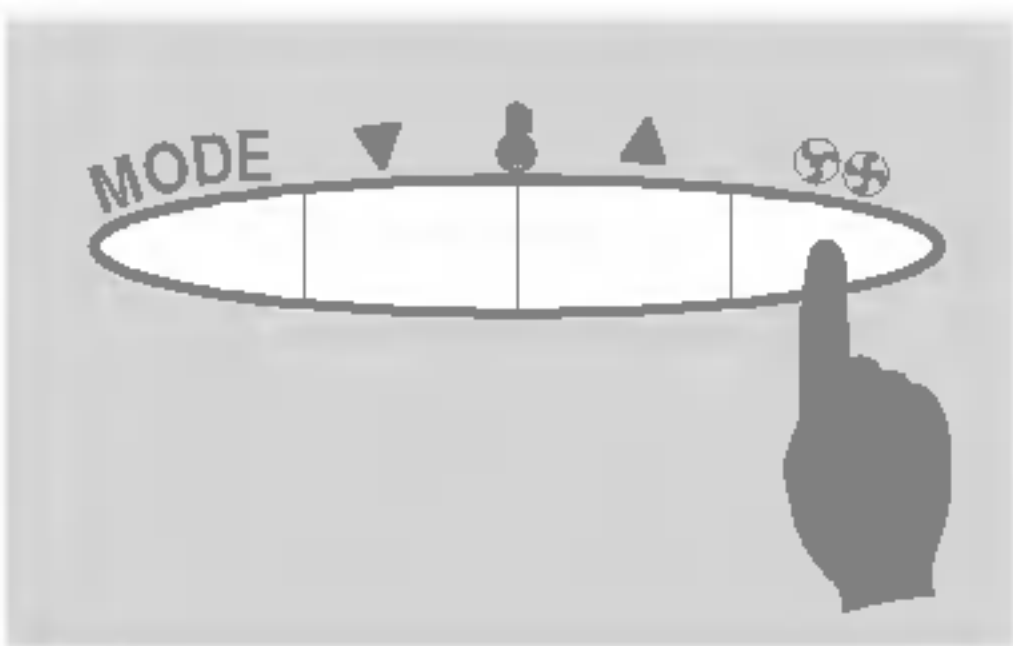


3 Set the temperature upper than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1 °C.



- Press the Δ or ∇ button {
 Δ To raise the temperature.
 ∇ To lower the temperature.

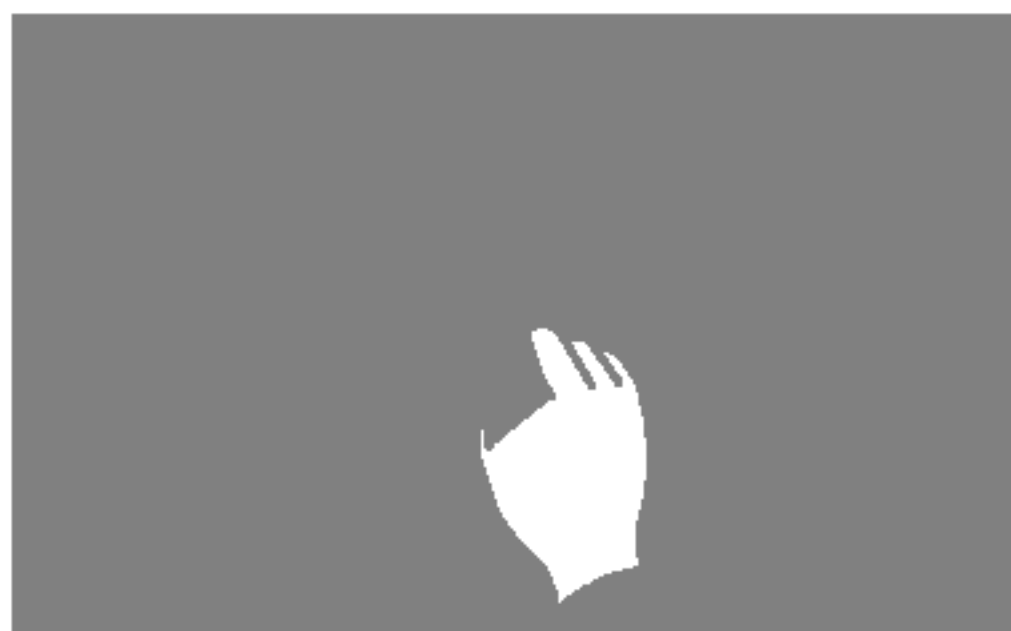
4 Set the Fan Speed.



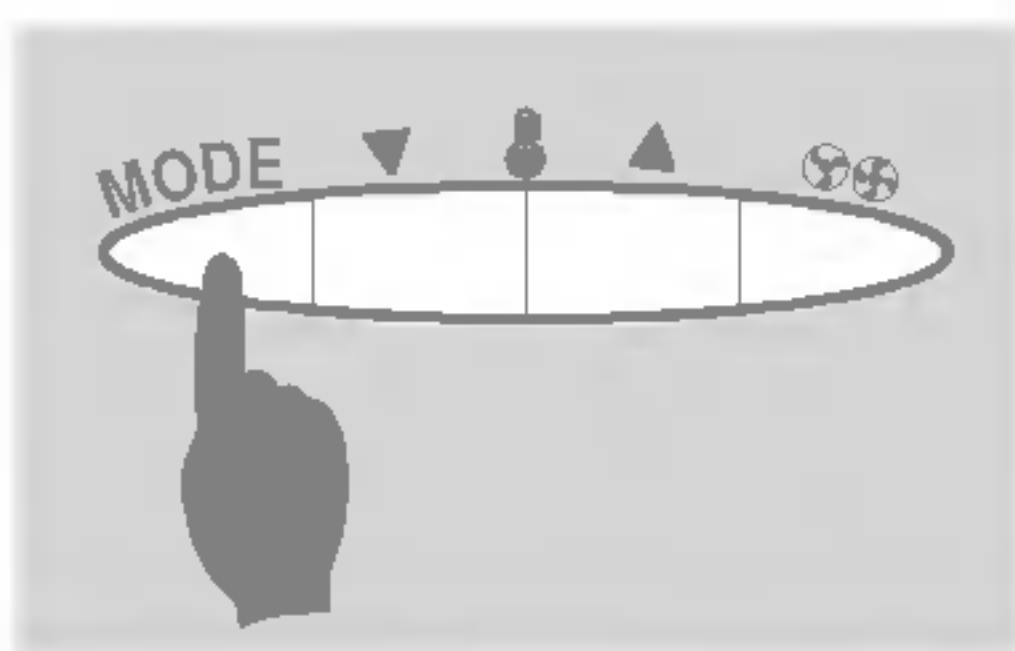
- Each time the Button is pressed, the Fan Speed mode is shifted.

Auto Operation Mode(Cooling model)

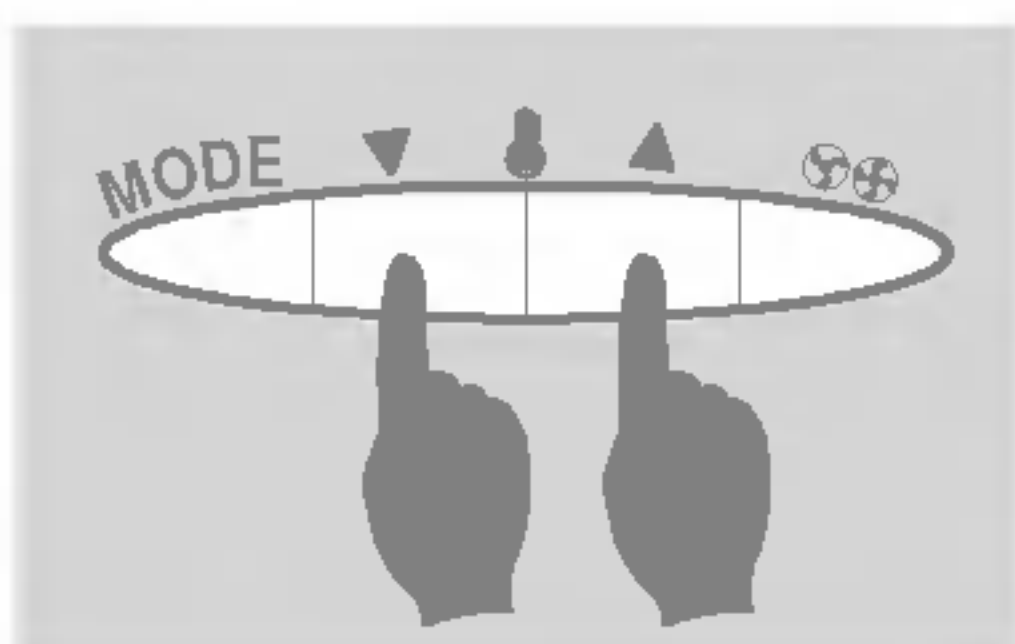
1 Press the Start/Stop Button.



2 Select Auto Operation.
Press the Operation Mode Selection Button.



3 Set the temperature upper or lower than the standard temperature.
The temperature can be set within a range of by 1 level.



(This indication will be shifted to the initial Auto Mode Display state after 4 seconds.)

- Press the Δ or ∇ button { Δ To raise the temperature.
 ∇ To lower the temperature.

During Auto Operation

- It is impossible to switch the indoor fan speed because of being already set to the best conditioner by fuzzy rule.

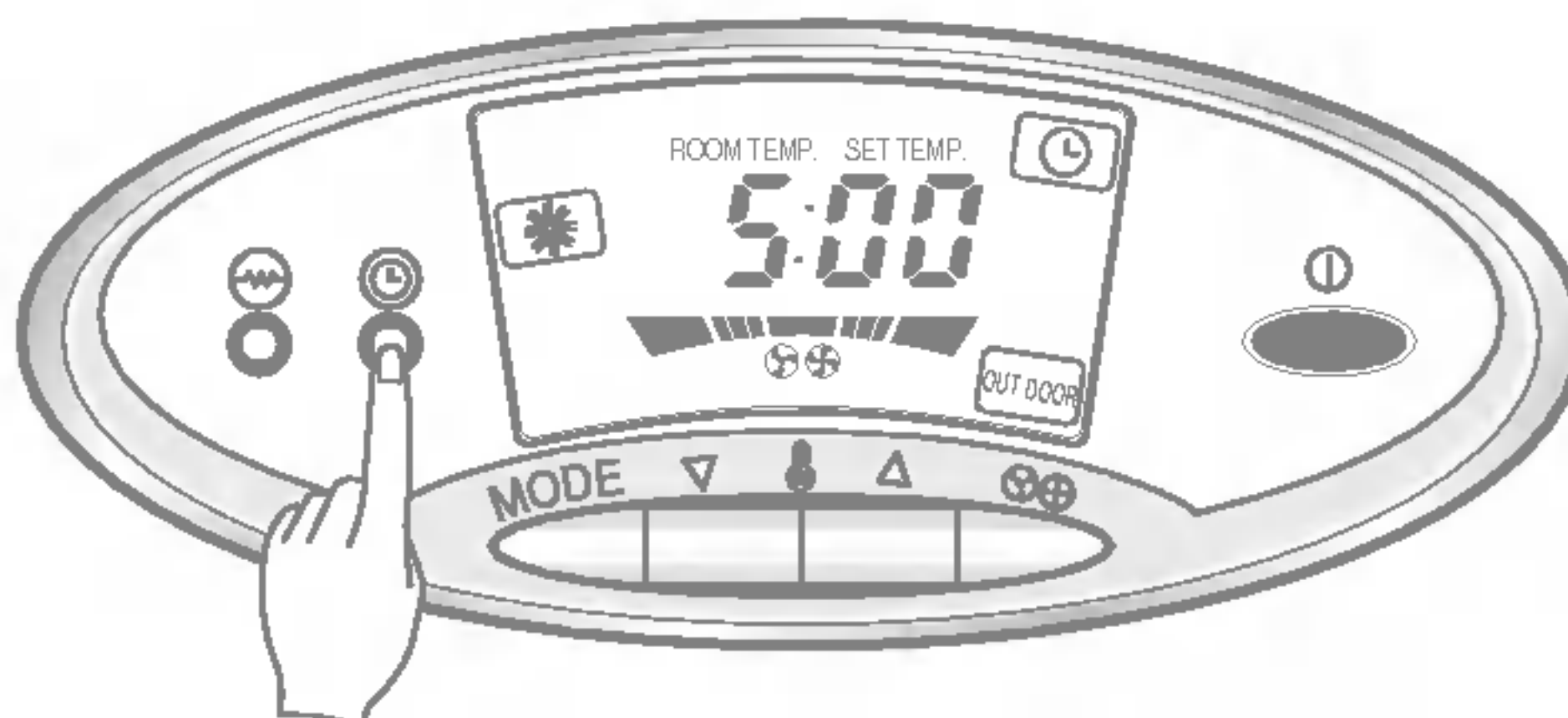
OFF Timer Setting Procedure(OFF TIMER Setting, or CANCEL)

- 1 Press the Start/Stop Button.



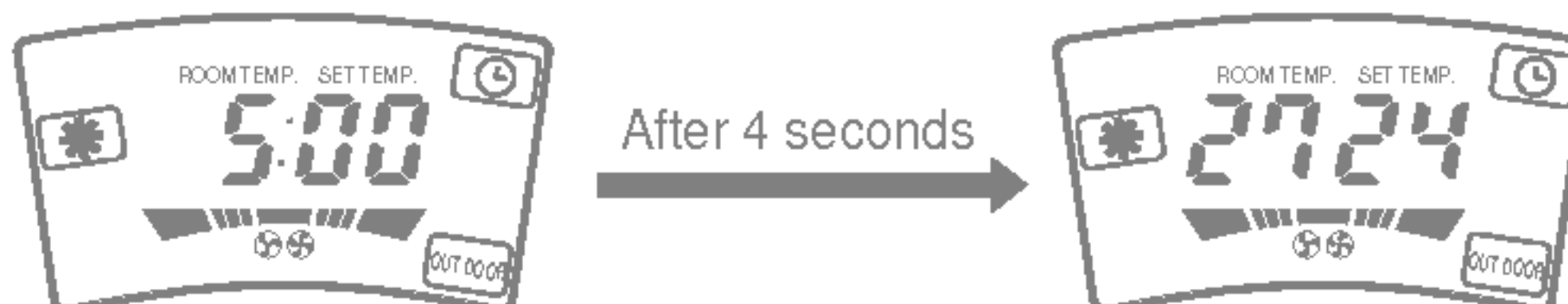
- 2 Select Function.

- 3 Press the Timer Button.



- If you press the button, the selected off timer is displayed as follows;
1:00→2:00→3:00→4:00→5:00→6:00→7:00→0:00
- If you select ' 0:00 ', the Off Timer function will be cancelled.

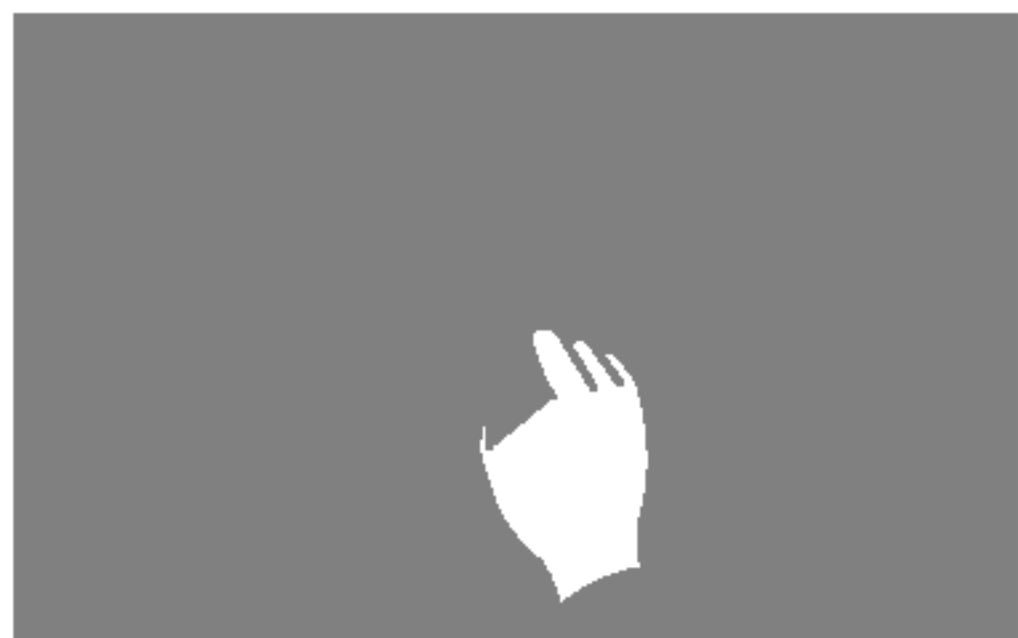
- 4 When you finish the Off Timer setting, the Timer indicator lights off.



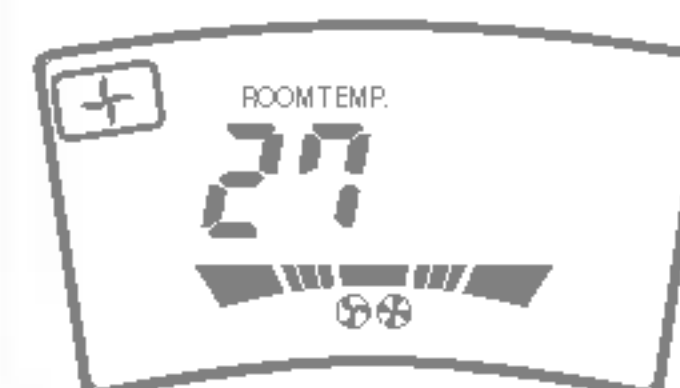
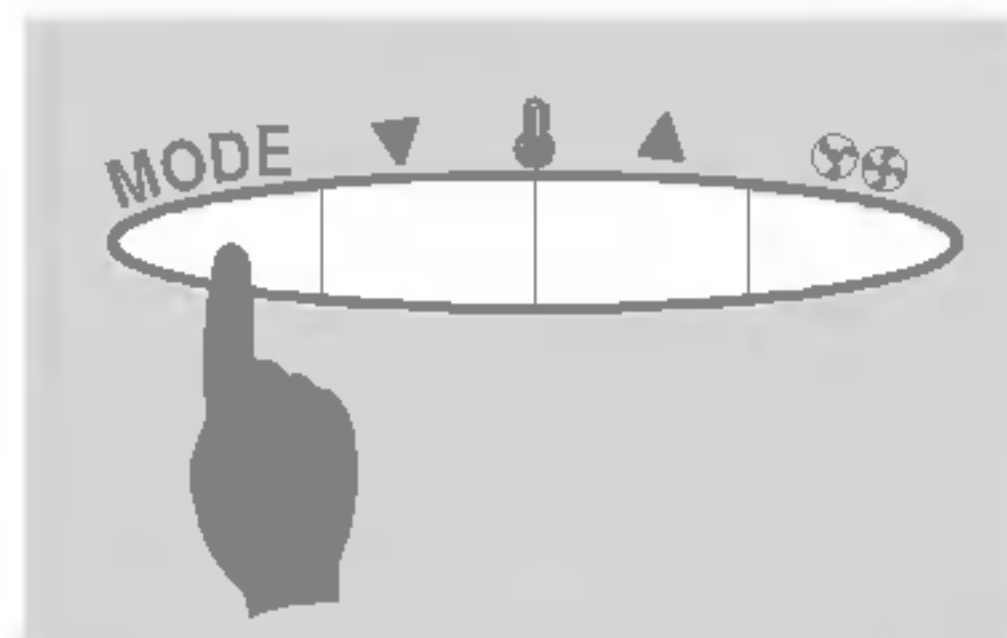
- 5 During off-timer operation if you press the Timer Button, the rest time will be displayed.

Fan Operation Mode

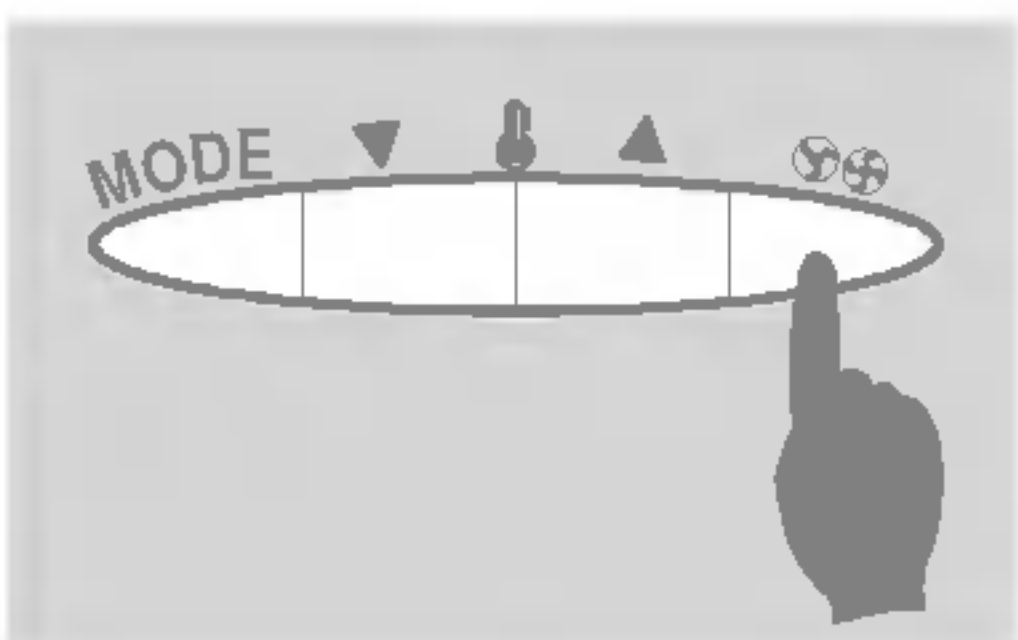
1 Press the Start/Stop Button.



2 Press the Operation Mode Selection Button.



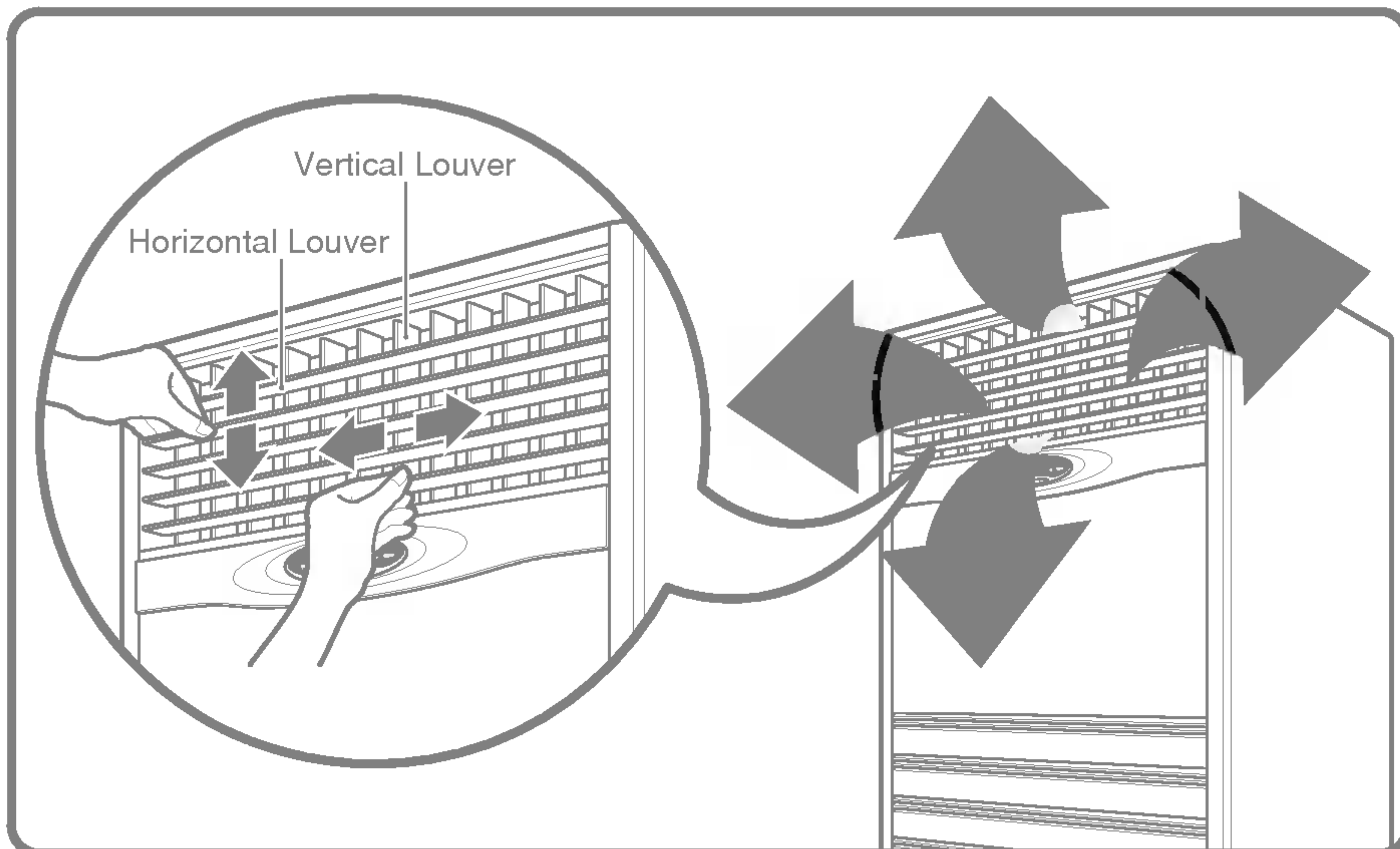
3 Set the Fan Speed.



• Each time the Button is pressed, the Fan Speed mode is shifted.

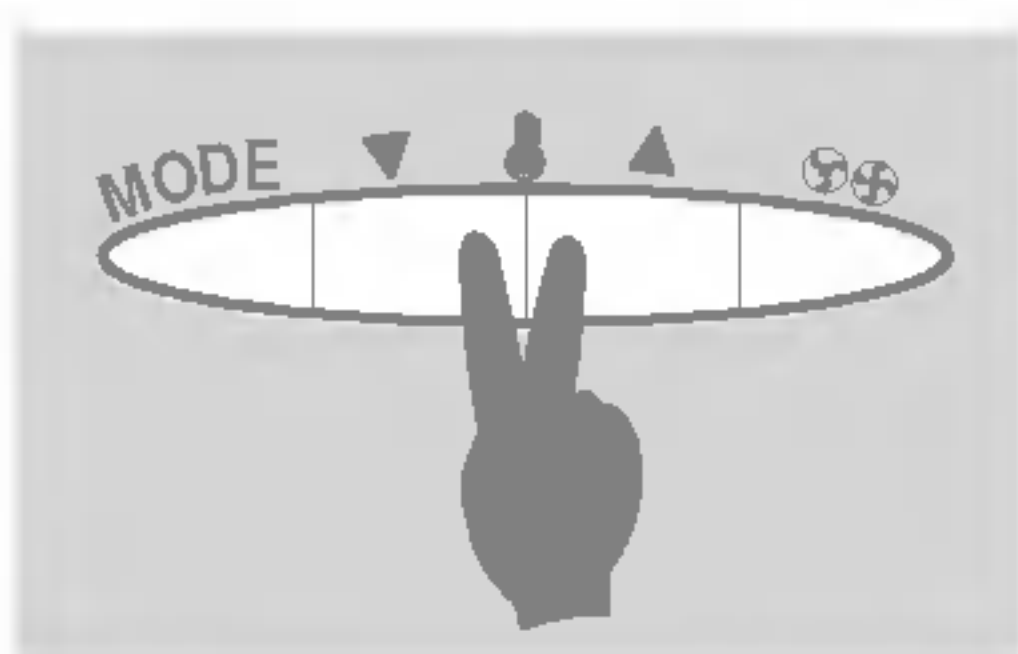
Airflow Direction Procedure

Adjust airflow direction manually by moving the horizontal or vertical louvers with hand.



Child Lock Operation Procedure

- 1 Press the low and high temperature setting buttons simultaneously for 3 seconds.
The unit will respond with beep.



After 3 seconds,
it will shift.



After 3 seconds,
it will shift.

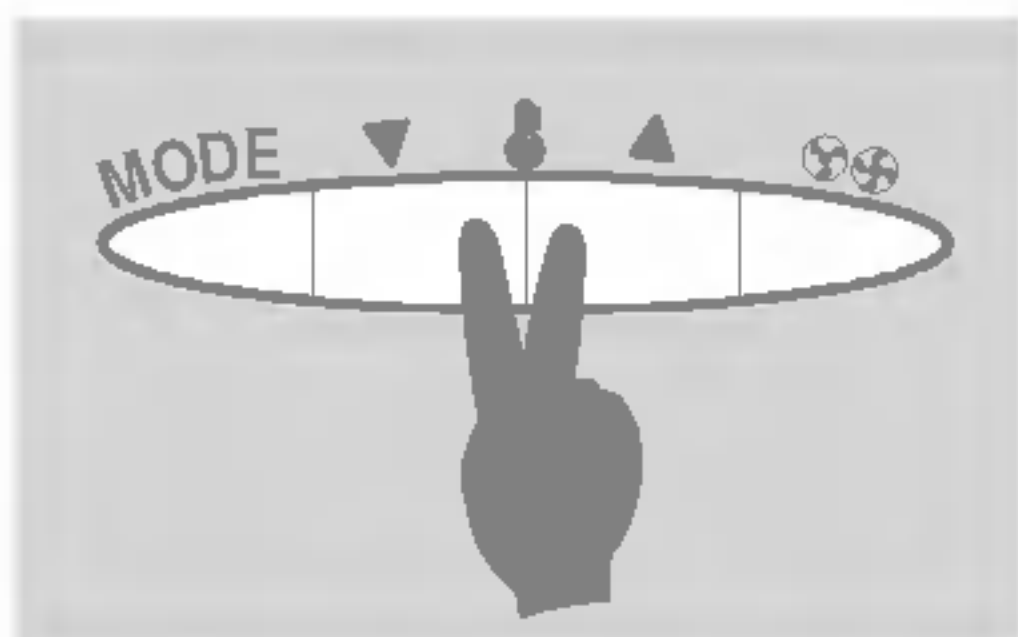


- 2 During Child Lock Operation

- ① Whenever you press any Button on Display Panel, it will immediately display "LOC", which means Display panel is Locked.
- ② All the Button on the indoor unit Display panel will not work.

- 3 For releasing child lock Operation

Press the low and high temperature setting buttons simultaneously for 3 seconds again.
The unit will respond with beep, Child Lock Operation will removed.



After pressing
the buttons
it will shift
immediately.



After 3 seconds,
it will shift.



Although the Air conditioner is turned off by a power failure,
it will restart automatically after power resumption.

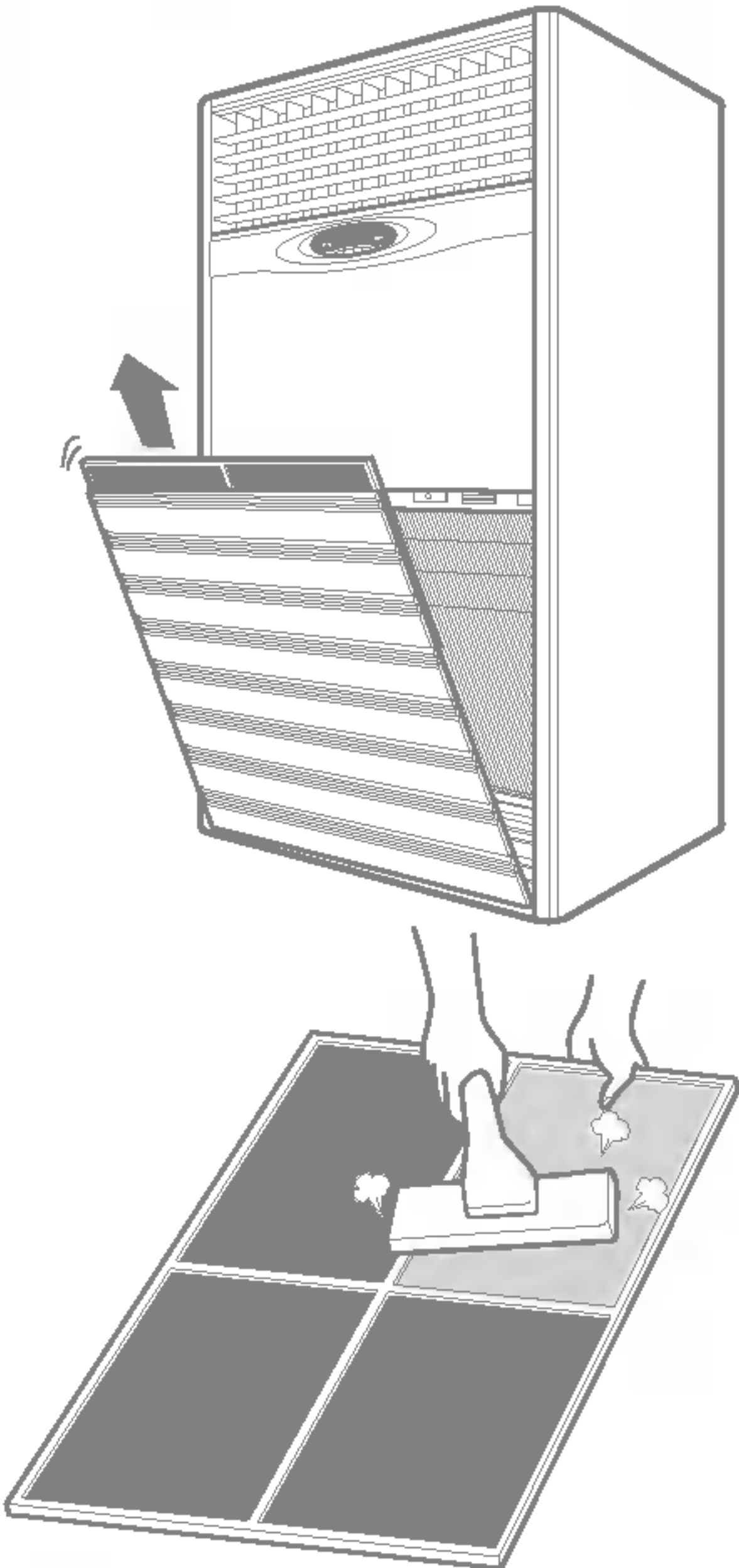
Care and Maintenance

CAUTION: Before performing any maintenance, turn off the main power to the system.

During the season

- 1
- Remove the Air Filter.

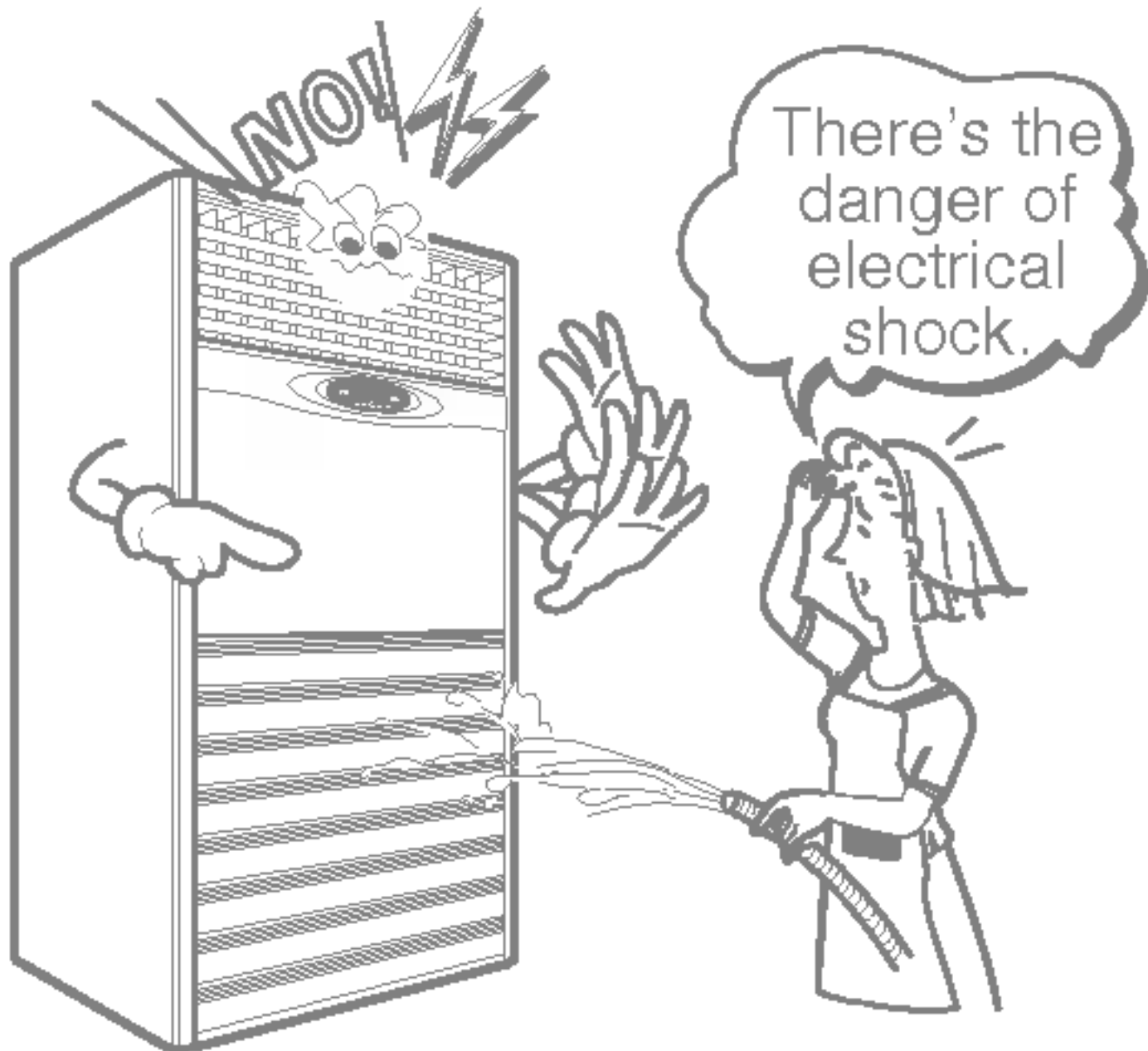
Take hold of the tab and pull slightly forward to remove the filter.



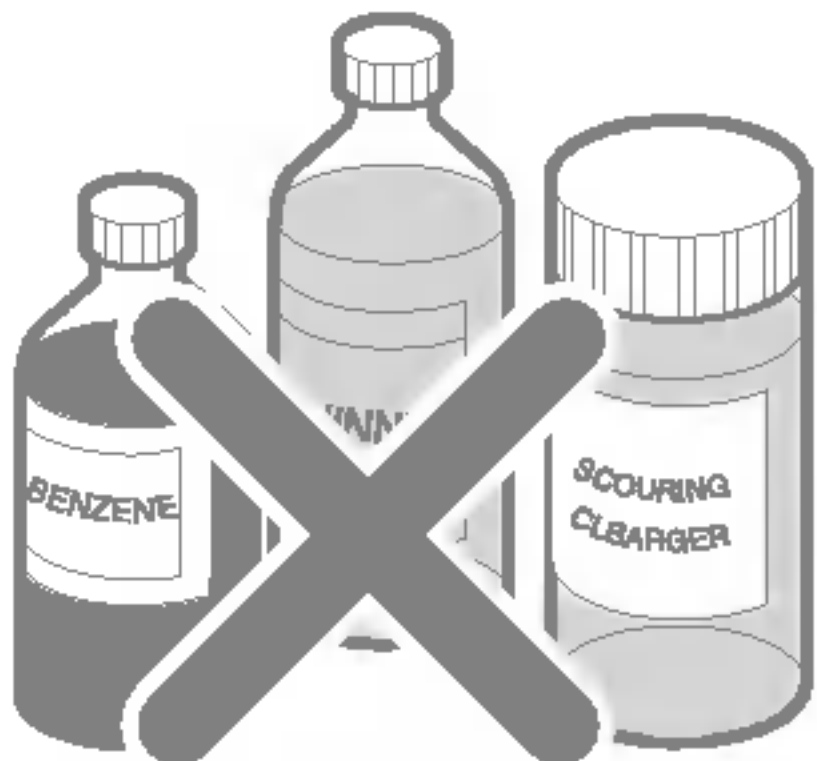
- 2
- Clean.

 - To remove the dust adhering to the filters, either use a vacuum cleaner, or wash them in water and dry in the shade.
 - Re-insert the filter to the original position.

- Don't wash with water.
- Wipe with a soft dry cloth.



- Water hotter than 40°C.
Could cause deformation and/or discoloration.
- Volatile substances.
Could damage the surfaces of the air conditioner.



When the air conditioner is not going to be used for a long time.

- Operate the air conditioner at the following settings for 2 to 3 hours.
 - Type of operation : Cooling.
 - Temperature setting : 30°C.This will dry out the internal mechanisms.
- Turn off the circuit breaker, and disconnect the plug.

**CAUTION**

Turn off the circuit breaker when the air conditioner is not going to be used for a long time.
Dirt may collect and may cause a fire.

- Clean the air filters, re-insert, then operate the air conditioner.
- Be sure that nothing obstructs the air outlet and intake vents.

Operation Tips

Do not overcool the room. This is not good for your health and wastes electricity.	Keep blinds or curtains Do not let direct sunshine enter the room when the air conditioner is in operation.	Keep the room Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.
Make sure that the doors Avoid opening doors and windows as much as possible to keep the cool air in the room.	Clean the air filter Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.	Ventilate the room Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

Before you call for service...



Troubleshooting Tips! Save time and money!

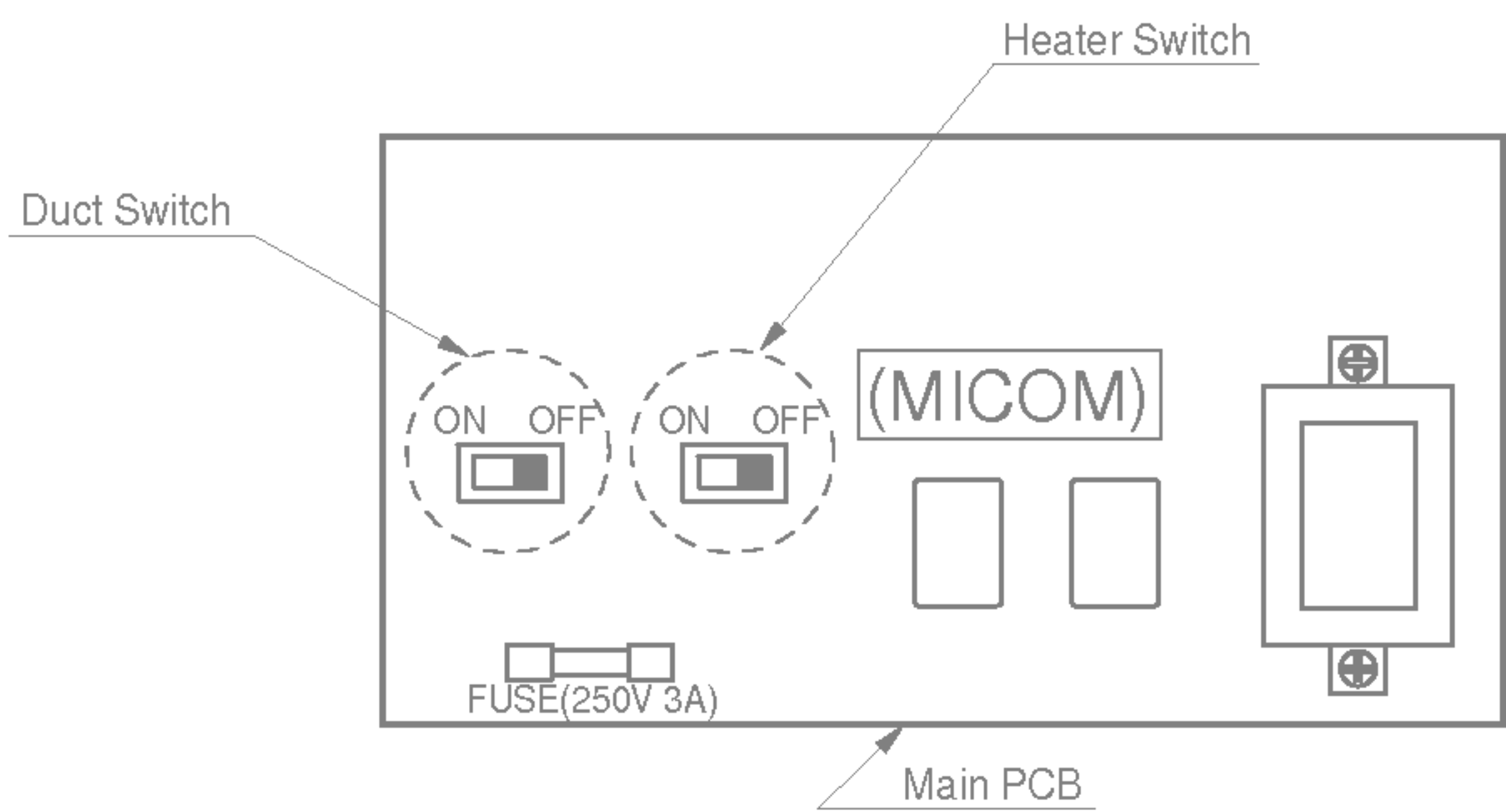
Check the following points before requesting repairs or service.... If the fault persists, please contact your dealer or service center.

Case	Explanation	See page
Does not operate.	• Have you made a mistake in timer operation?	12
	• Has the fuse blown or has the circuit breaker been tripped? • Is the power Switch at Off? • Is the unit at the starting of Heating Operation? If yes, Hot-start is activating. • Is the unit in the Deicing? If yes, wait for finishing the Deicing.	-
The room has a peculiar odor.	• Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.	-
It seems that condensation is leaking from the air conditioner.	• Condensation occurs when the airflow from the air conditioner cools the warm room air.	-
Air conditioner does not operate for about 3 minutes when restarted.	• This is the Protection device of the air conditioner . • Wait about three minutes and operation will begin. • If the airflow begins before its temperature become warm, it will cause an undesired cooling effect. In order to prevent this, the airflow will not begin until it is sufficiently warm.	-
Does not cool or heat effectively.	• Is the air filter dirty? See air filter cleaning instructions.	15
	• The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down. • Has the temperature been set incorrectly? • Are the indoor unit's air inlet or outlet vents obstructed?	-
The air conditioner operation is noisy.	• For a noise that sounds like water flowing. -This is the sound of freon flowing inside the air conditioner unit. • For a noise that sounds like the compressed air releasing into atmosphere. -This is the sound of the dehumidifying water being processed inside the air conditioning unit.	-
Operation stops for about 9 minutes during heating.	• This is to melt the frost which has accumulated on the outdoor unit (defrosting operation). This will take no longer than about 9 minutes, so wait for operation. (Frost accumulates on the outdoor unit when the outdoor temperature is low and the humidity is high.) Water comes out of the outdoor unit.	-
Operation runs and stops periodically.	• Does a power failure happen repeatedly? • It indicates the Air-Conditioner is being protected by the safety device, call for the service.	-

NOTE
WATER RESISTANT: The outdoor side of this appliance is WATER RESISTANT.
The indoor side is not water resistant and should not be exposed to excess water.

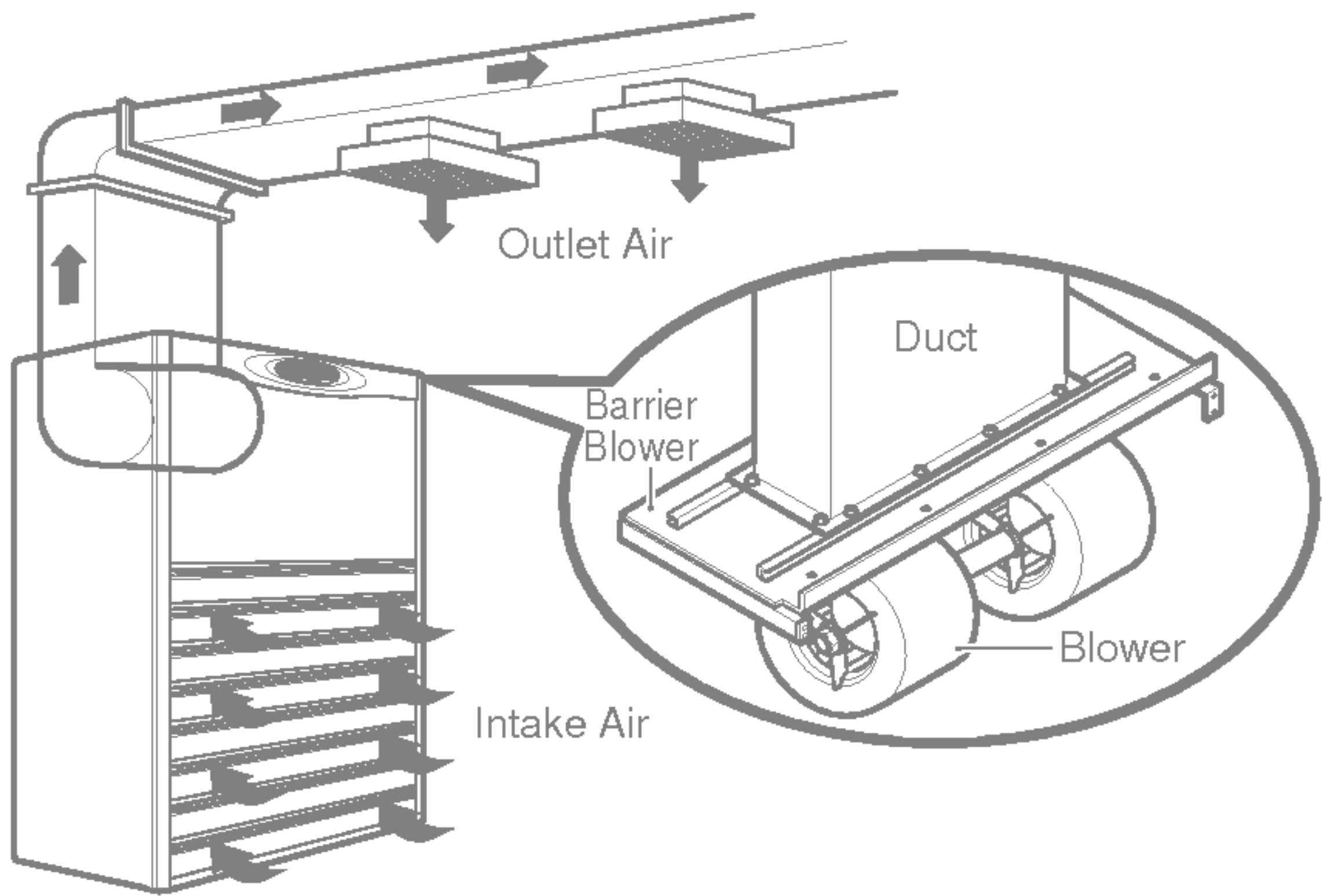
The Method of Correct Duct Installation

- First of all, turn ON Duct switch of Main PCB.



- After removing upper side chamber, connect the duct to the barrier blower directly.

Correct installation



Bad installation

