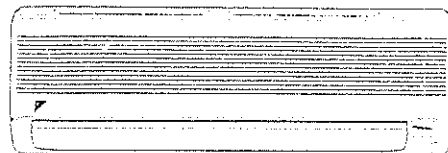


DAIKIN

DAIKIN ROOM AIR CONDITIONER

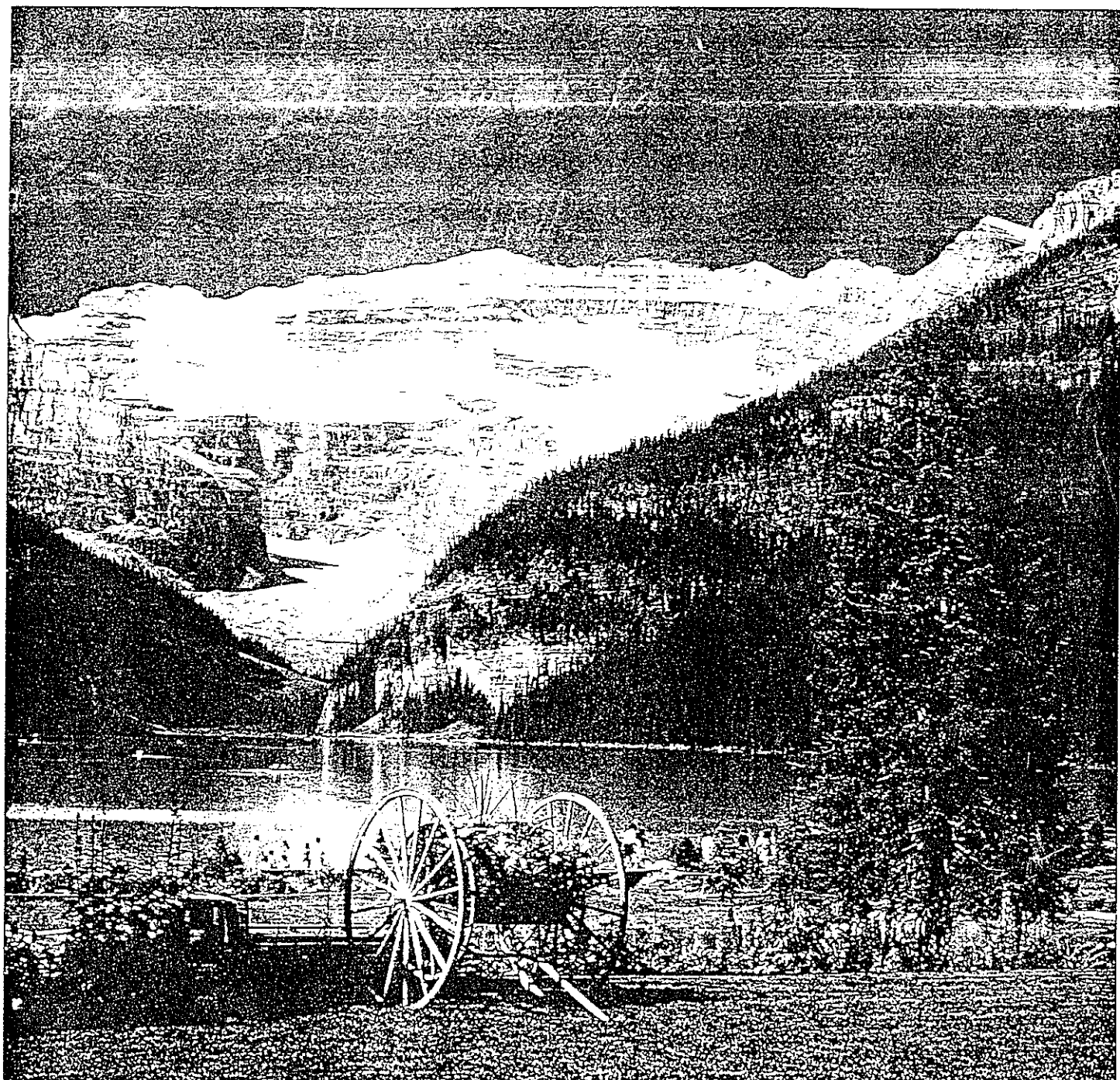
Operation Manual



MODELS

FTY50GV1A

FTY60GV1A



Safety Precautions

- Read the following warnings and cautions carefully before operating the system and use it correctly.
- This manual classifies the precautions to the user into the following two categories. Be sure to follow all as they are all important to ensure safety.
- The following symbols are used in this manual.



WARNING

Failure to follow a warning is very likely to result in such grave consequences as death or serious injury.



CAUTION

Failure to follow a caution may result in serious injury or property damage, and in certain conditions, may result in a grave consequence.



Never do.



Be sure to follow the instructions.



Be sure to earth the air conditioner.



Be sure to disconnect the power plug.



Never touch the air conditioner (including the remote controller) with a wet hand.



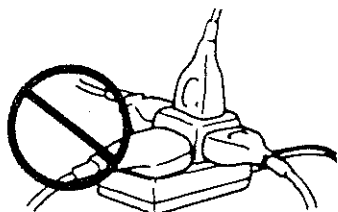
Never cause the air conditioner (including the remote controller) to get wet.

- After reading this manual, keep it in a place easily accessible to the user for future reference.



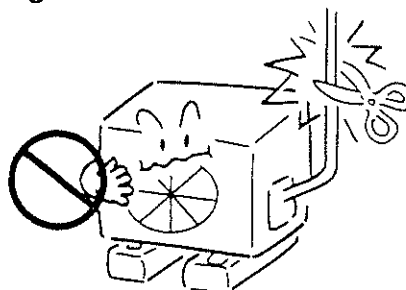
WARNING

Do not attempt to extend the power cord by joining it to another cord, or by using an extension cord. Do not put any other loads on the power supply socket.



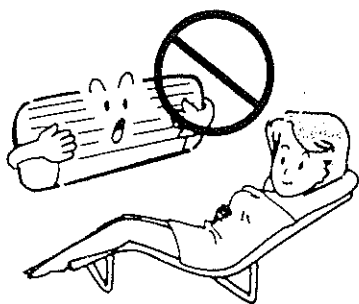
Failure to follow this will cause electric shocks, abnormal heating or fire.

Do not damage or attempt to modify the power cord. Do not use the cord in a damaged state or tied in a bundle.



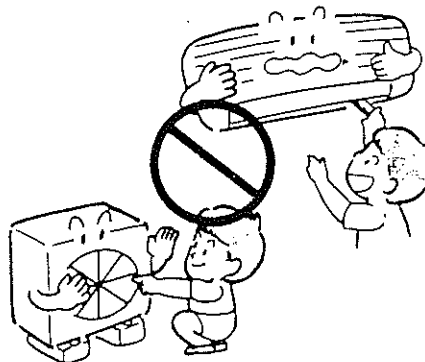
Applying a heavy weight, heat or tension on the power cord will damage it, causing electric shocks or fire.

Do not expose your body to the cool (or hot) air for a long time; do not cool (or heat) the room too much.



It will affect your physical conditions and cause health problems.

Do not put a finger, a rod or other objects into the air outlet or inlet.



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

SYSTEM FEATURES

Take full advantage of useful features to enjoy comfort.

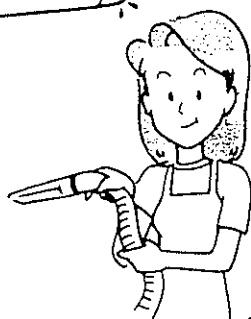
POWERFUL operation

You can get the maximum performance in an operation mode with a touch of a button. (See page 25.)



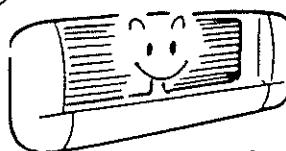
CLEANING lamp

tells you when it is time to clean the air filters. (See page 26.)



Easy-to-remove front grille

Cleaning is easy with an easy-to-remove front grille. You can even wash it. (See page 28.)



CONTENTS

■ Safety Precautions	3
■ Names of Parts	
• Indoor unit, Outdoor unit	7
• Remote controller	9
■ Preparation Before Operation	
• Remote controller	11
• Indoor unit	13

READ BEFORE
OPERATION

■ AUTO Mode Operation	17
■ DRY/COOL/HEAT Mode Operation	19
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OPERATION

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CONVENIENT
OPERATION

■ Care and Cleaning	
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CARE

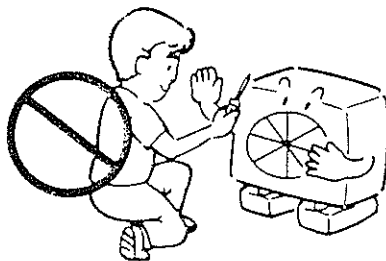
■ Trouble Shooting	
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TROUBLE
SHOOTING



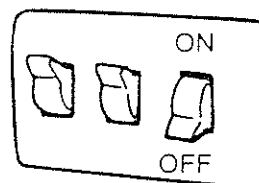
⚠ WARNING

Do not attempt to repair, relocate, modify or reinstall the air conditioner by yourself.



Incorrect work will cause electric shocks, fire etc. For repairs and reinstallation, consult the shop where you bought the air conditioner.

If anything abnormal such as a burning smell occurs, stop the operation immediately and turn the breaker OFF.

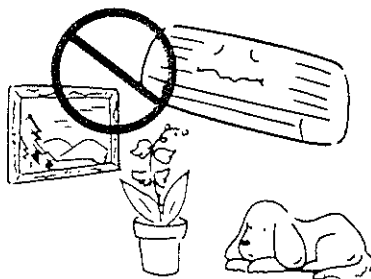


Continued abnormal operation will cause troubles, electric shocks, fire etc. If anything is abnormal, consult the shop where you bought the air conditioner.

READ BEFORE

⚠ CAUTION

Do not use the air conditioner for preservation purposes.



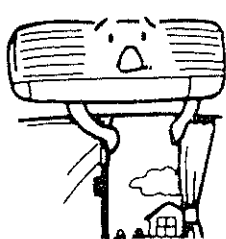
Do not use it for preserving precision instruments, foods, plants, animals, works of fine arts etc. Performance or quality may deteriorate and animal or plant life may be shorter.

Do not operate the air conditioner with a wet hand.



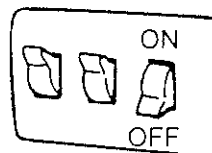
It may cause an electric shock.

Ventilate the room from time to time.



Be careful especially when using a burning appliance in the same room. Insufficient ventilation may cause shortage of oxygen.

Before cleaning, be sure to stop the operation and turn the breaker OFF.

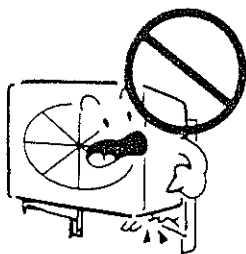


As a fan is rotating at a high speed, cleaning during operation may cause injury.

Safety Precautions

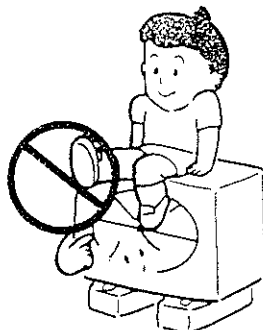
⚠ CAUTION

After a long use, check the unit stand and fittings for damage.



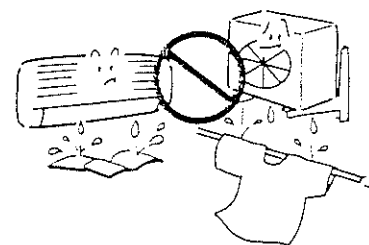
The unit may drop and cause injury if damage is left unrepaired.

Do not stand or sit on the outdoor unit. Do not place any object on the unit.



The object or the person may fall down or drop, causing injury.

Do not place under the indoor or outdoor unit anything which must be kept away from moisture.



Indoor unit: moisture in the air may condense and drip in certain conditions.

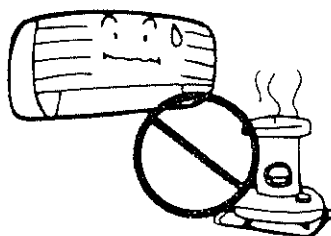
Outdoor unit: the unit drains some water in heating operation. In cooling, condensation may drip from the piping connections.

Do not wash the unit with water.



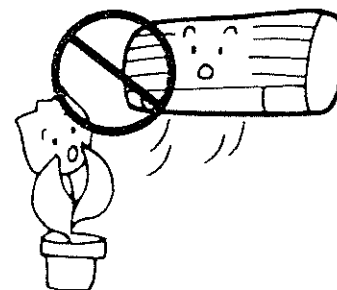
It may cause an electric shock.

Do not place a burning appliance in places exposed to the air flow from the unit or under the indoor unit.



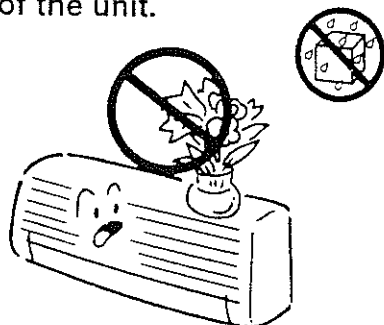
It may cause incomplete combustion or deformation of the unit from heat.

Do not expose plants or animals directly to the air flow.



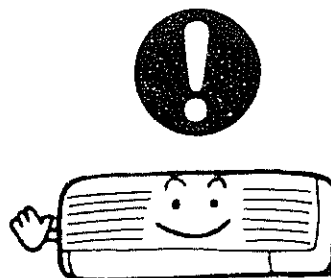
It may cause adverse effects on the plant or the animal.

Do not place things such as a vessel containing water or anything on top of the unit.



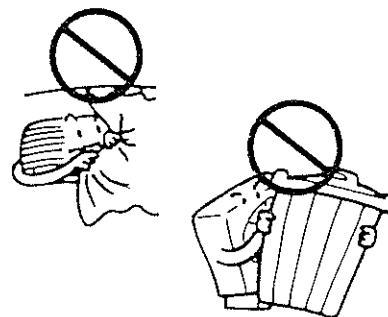
Water may penetrate into the unit and degrade electrical insulations, resulting in an electric shock.

Do not connect the air conditioner to a power supply different from the specification.



It may cause troubles or fire.

Do not block air inlets nor outlets.

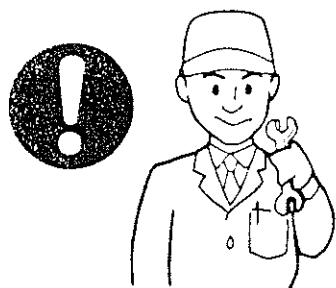


Impaired air flow may result in insufficient performance or troubles.

Installation

⚠ WARNING

Do not attempt to install the air conditioner by yourself.



Consult the shop or a qualified technician.

Incorrect work will result in water leakage, electric shocks or fire. For installation, consult the shop where you bought the unit or a qualified technician.

⚠ CAUTION

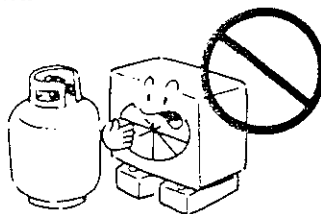
The air conditioner must be earthed.



Incomplete earthing may result in electric shocks.

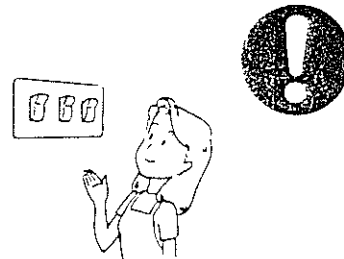
Do not connect the earth line to a gas pipe, water pipe, lightning rod, or a telephone earth line.

Do not install the air conditioner in places where flammable gas may leak.



If leaked gas should accumulate near the unit, fire may occur.

Depending on the environment, an earth leakage breaker must be installed.



Lack of an earth leakage breaker may result in electric shocks.

Arrange the drain hose to ensure smooth drainage.



Incomplete drainage may cause wetting of the building, furniture etc.

Installation site

■ To install the air conditioner in the following types of environments, consult the shop.

- Places with an oily ambient or where steam or soot occurs.
- Salty environment such as coastal areas.
- Places where sulfide gas occurs such as hot springs.
- Places where snow may block the outdoor unit.

The drain from the outdoor unit must be discharged to a place of good drainage.

Consider nuisance to your neighbors from noises.

■ For installation, choose a place as described below.

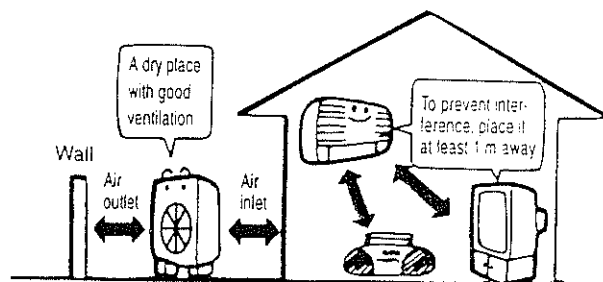
- A place solid enough to bear the weight of the unit which does not amplify the operation noise or vibration.
- A place from where the air discharged from the outdoor unit or the operation noise will not annoy your neighbors.

Electrical work

- For power supply, be sure to use a separate power circuit dedicated to the air conditioner.

System relocation

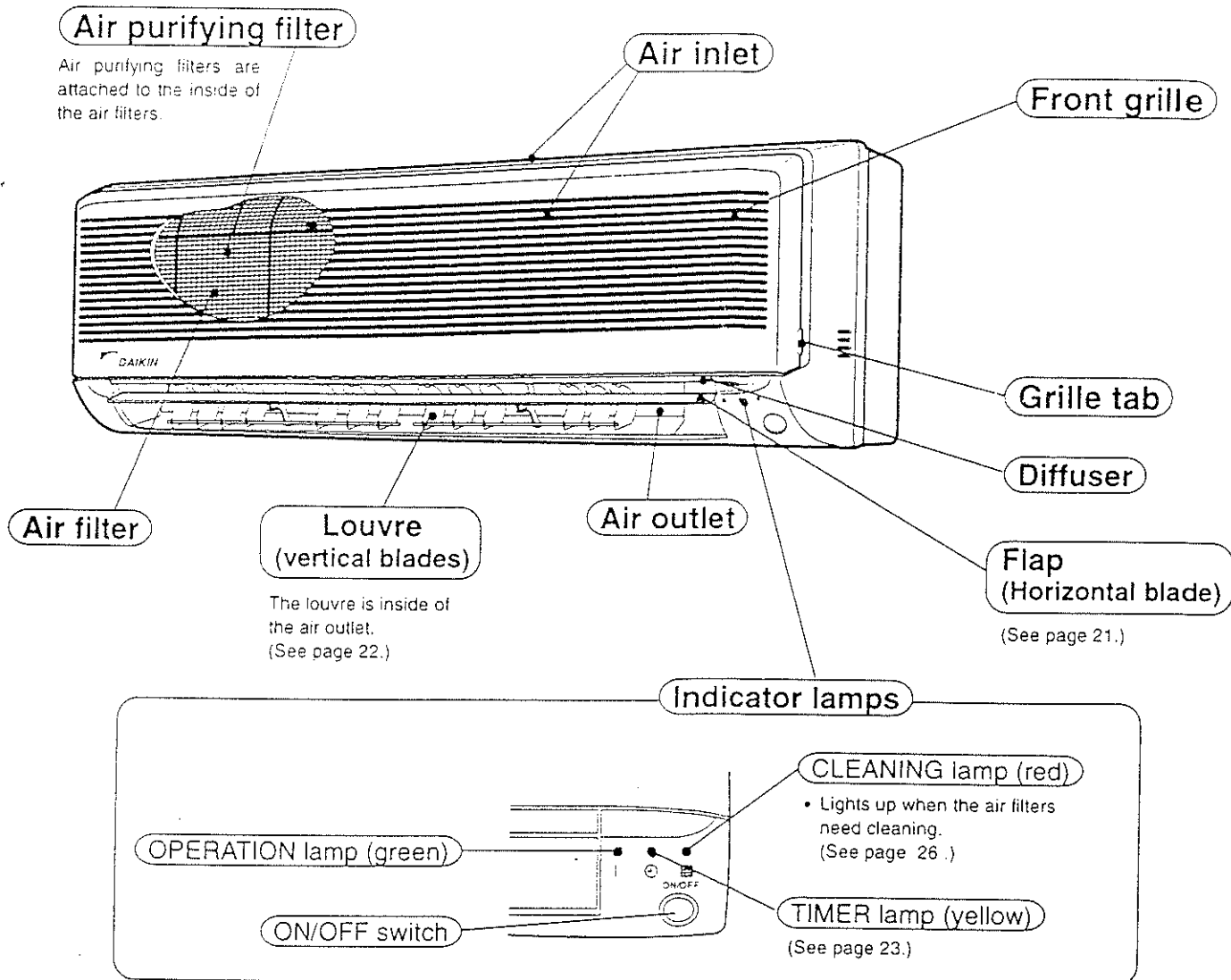
- Relocating the air conditioner requires specialized knowledge and skills. Please consult the shop where you bought the air conditioner if relocation is necessary for moving or remodeling.



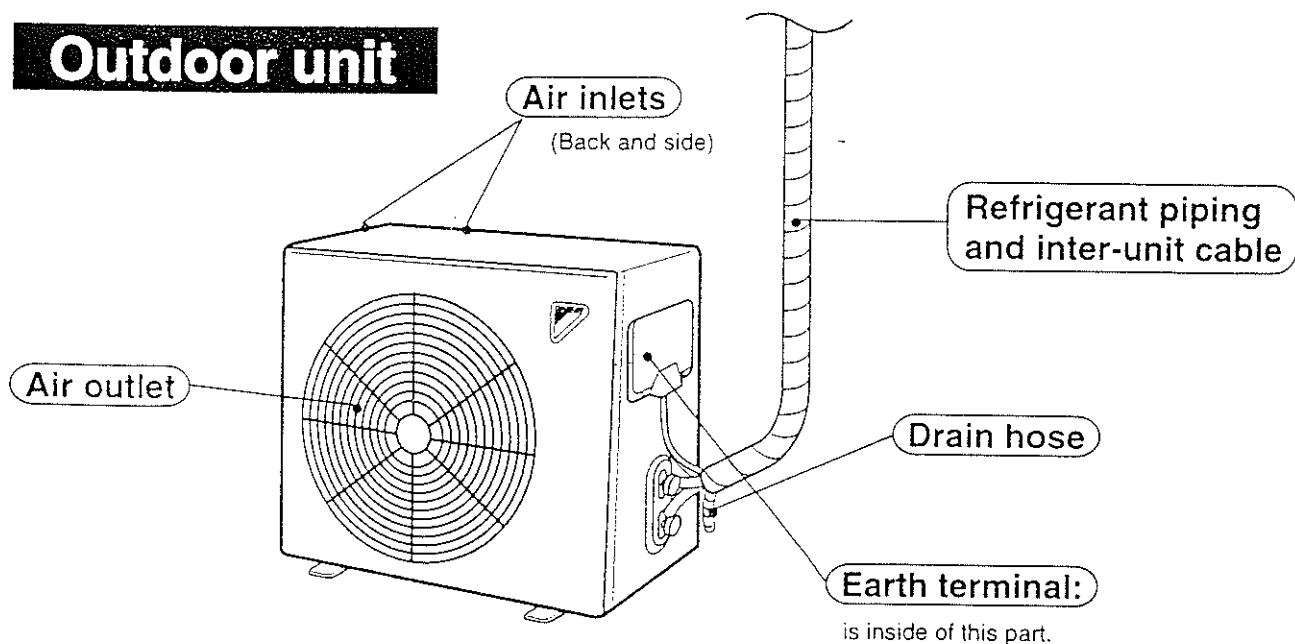
- For efficient operation, take as large spaces around the unit as site allows.

Names of Parts

Indoor unit



Outdoor unit



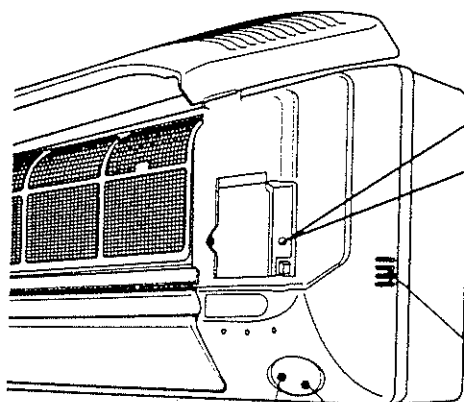
Opening the front grille

How to open the front grille : (see page 26.)



CAUTION

Before opening the grille, be sure to stop the operation and turn the breaker OFF. If the power is on, the fan may rotate inside and may cause injury.



Control panel

CAUTION!

←
WIRING BETWEEN INDOOR
UNIT AND OUTDOOR UNIT
SHOULD BE CONNECTED
TO SAME NUMBER ON THE
TERMINAL BLOCK

CLEANING
LAMP



RESET

CLEANING LAMP RESET button

- Push this button to turn the CLEANING lamp off.

ON/OFF switch

- Push this button once to start operation. Push once again to stop it.
- The operation mode and the air flow rate are automatically set to AUTO. (See page 17.)
- This switch is useful when the remote controller is missing.

Room temperature sensor:

- senses the air temperature around the unit.

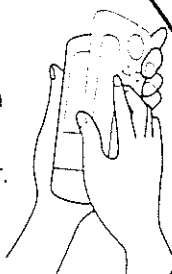
Receiver:

- receives signals from the remote controller.
- When the unit receives a signal, you will hear a short peep.

Names of Parts

Remote controller

Open
the
cover.



Display

displays the current settings.
(In this illustration, each section is shown with all its displays ON for the purpose of explanation.)

OFF TIMER button

ON TIMER button

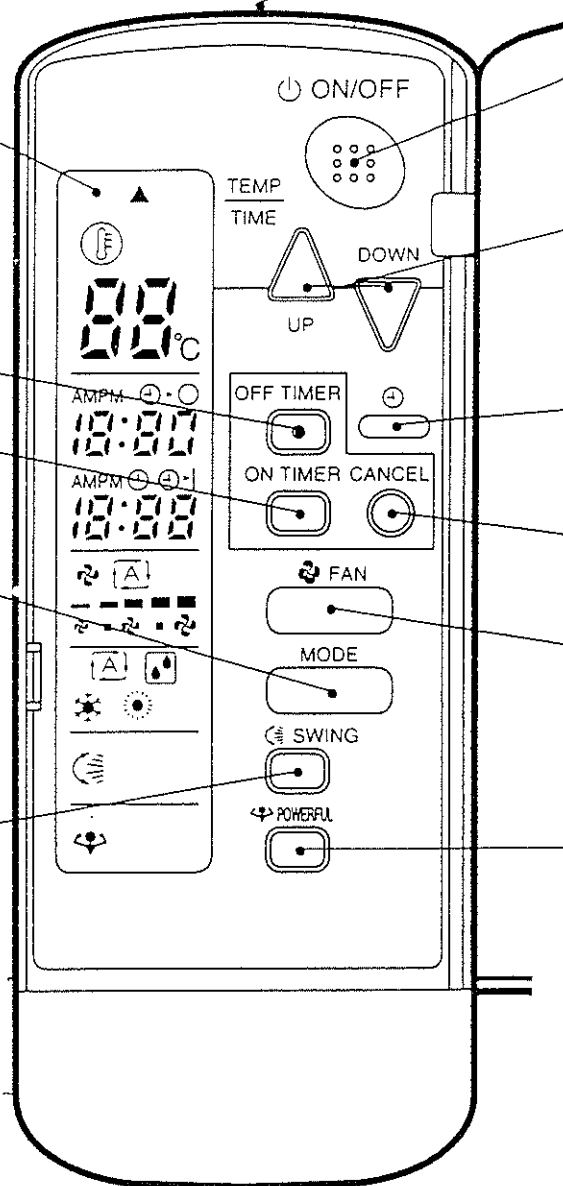
(See page 23.)

MODE selector button

selects the operation mode.
(AUTO/DRY/COOL/HEAT)

SWING button

(See page 21.)



Transmitter

sends signals to the indoor unit.

ON/OFF button

Press it once to start operation.
To stop it, press it once again.

TEMPERATURE/TIME adjustment buttons

change the temperature or time setting.

CLOCK button

(See page 15.)

TIMER CANCEL button

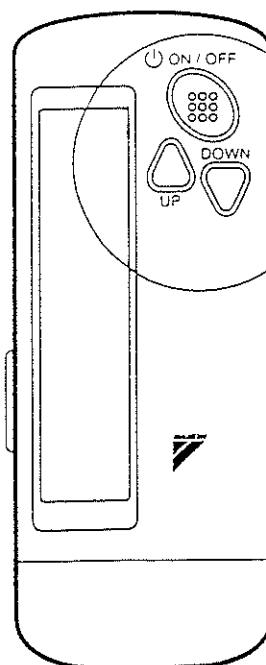
cancels the timer setting.

FAN setting button

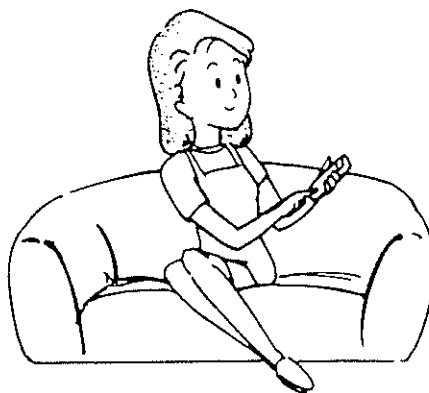
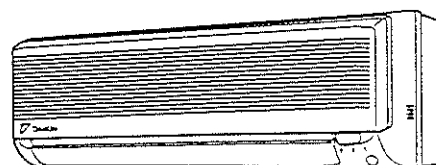
selects the air flow rate setting.

POWERFUL button

(See page 25.)



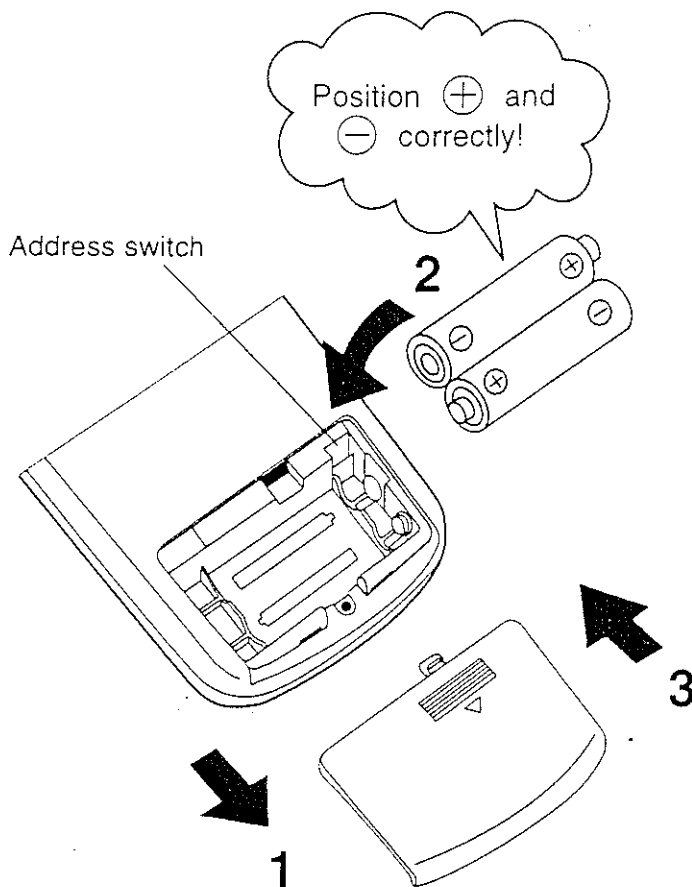
You can operate these three buttons with the cover closed.




Preparation Before Operation

Remote controller

■ Setting the batteries



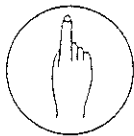
1 Press  with a finger and slide the back cover to take it off.

2 Set two alkaline dry batteries (LR03).

3 Set the back cover as before.

- This will cause the figures on the display to flash. Set the clock at this point.

- The address switch is used when two indoor units are to be installed in a single room.
- If there is only one indoor unit in the room, it must be set to "1".
- To install two units in a single room, consult the shop where you bought the air conditioner.



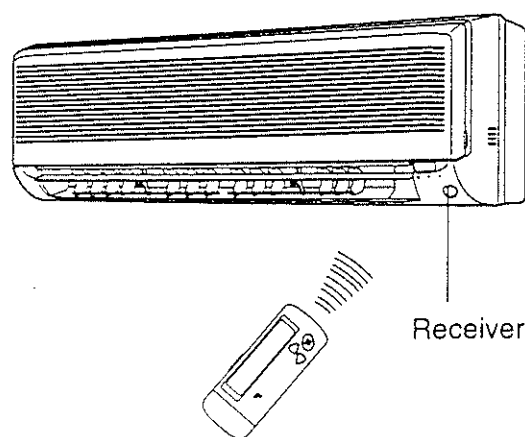
ATTENTION

About batteries

- Always replace two batteries at the same time. Replace them with new ones of an identical type.
- Do not use manganese dry batteries because it may cause a malfunction.
- If you are not going to use the air conditioner for a long period, take out all the batteries.
- Batteries should last for about a year under normal conditions. When you find the displays unclear and signal communication often failing, replace them with new ones.
- Batteries may be exhausted even before the recommended date of consumption printed on them, if the air conditioner was manufactured many months ago.

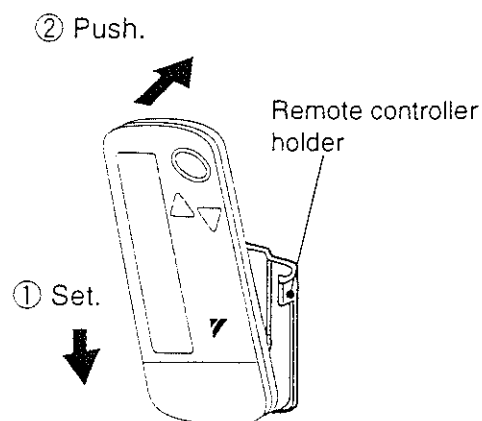
■ Operating the remote controller

- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is about 7 m.



■ To fix the remote controller holder on the wall

- 1 Choose a place from where the signals reach the unit.
- 2 Fix the holder to a wall, a pillar, etc. with the screws supplied with the holder.
- 3 Fit the claw of the holder into the bottom of the remote controller, and push the remote controller onto the wall.



- To remove, pull it upwards.



ATTENTION

About the remote controller

- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the service shop if that is the case.
- If the remote control signals happen to operate another appliance, move that appliance to somewhere else, or consult the service shop.

Preparation Before Operation

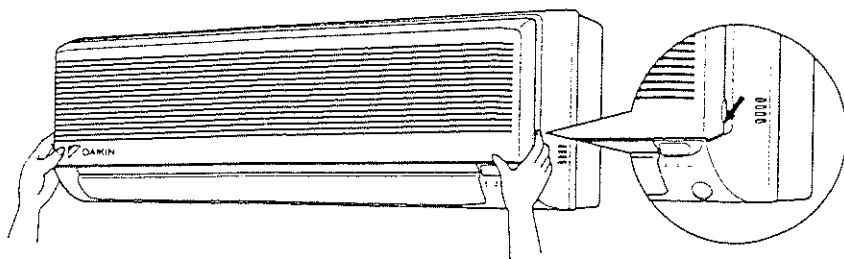
Indoor unit

■ Setting the air cleaning filters

1

Open the front grille.

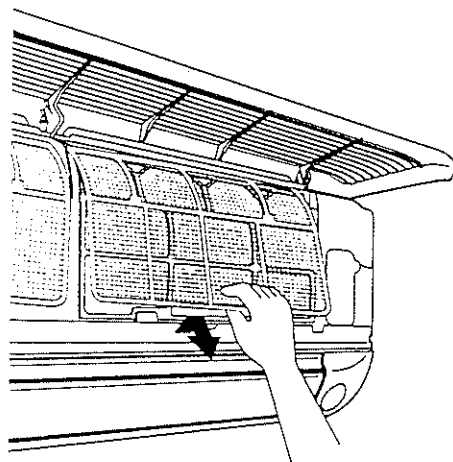
- Hold the grille by the tabs on the two sides and lift it until it stops with a click. (about 60°)



2

Pull out the air filters.

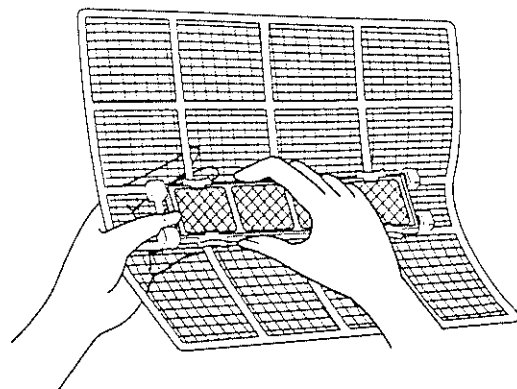
- Push upwards the tab at the center of each air filter, then pull it down.



3

Set the air purifying filters.

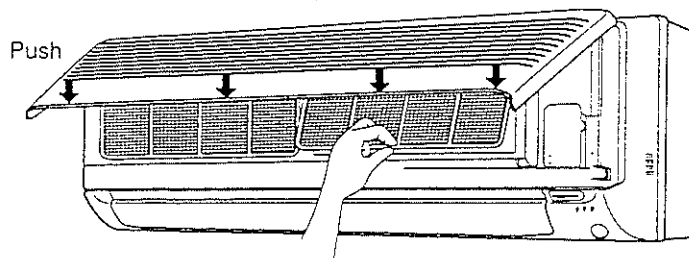
- Attach an air purifying filter to each air filter.
- You may stick a colour sample label at a convenient place on the indoor unit so that you can know when they need replacement by comparing the colours. (See "Replacing air purifying filters" on page 27.)



4

Set the air filters in their original positions and close the front grille.

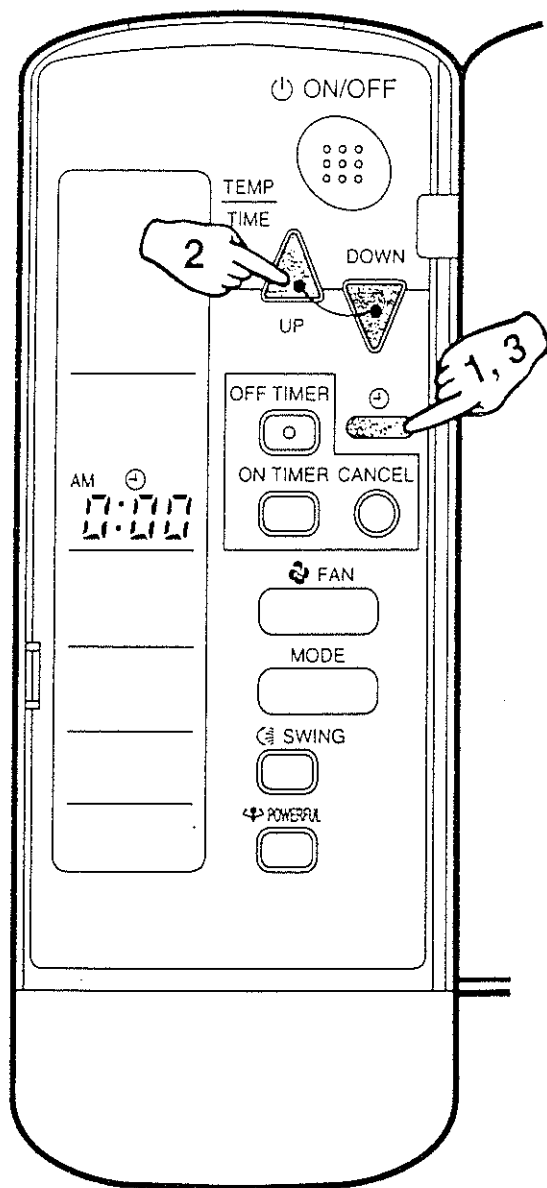
- Operation without air filters may result in troubles as dust will accumulate inside the indoor unit.



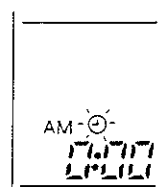
The front grille should lock at both sides and at the two points in the middle. Push the grille at the 4 points indicated by ↓.

Preparation Before Operation

■ Setting the clock




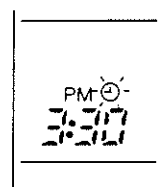
1 Press .






AM 0:00 is displayed.

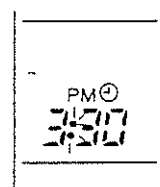
 flashes.

2 Press   to set the clock to the present time.



- Holding down () or () button rapidly increases or decreases the time display.

3 Press .



: flashes.

(Now the clock is set.)

■ Turn the breaker ON

- Turning ON the breaker opens the flap, then closes it again. (This is a normal procedure.)



NOTE

Tips for saving energy

- Be careful not to cool or heat the room too much.
Keeping the temperature setting at a moderate level helps save energy.

Recommended temperature setting

For cooling: 26°C ~ 28°C

For heating: 20°C ~ 24°C

- Cover windows with a blind or a curtain.
Blocking sunlight and air from outdoors increases the cooling or heating effect.
- Clogged air filters cause inefficient operation and waste energy. CLEANING lamp tells you when the air filters need cleaning. Clean them once in about every two weeks.

Please note

- The air conditioner always consumes 15 watts of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker OFF.
- Use the air conditioner in the following conditions.

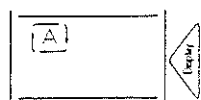
Mode	Operating conditions	If operation is continued out of this range:
COOL	Outdoor temperature: 21 to 43°C Indoor temperature: 21 to 32°C Indoor humidity: 80% max.	<ul style="list-style-type: none"> • A safety device may work to stop the operation. • Condensation may occur on the indoor unit and drip.
HEAT	Outdoor temperature: -10 to 21°C Indoor temperature: 27°C max.	<ul style="list-style-type: none"> • A safety device may work to stop the operation.
DRY	Outdoor temperature: 18 to 43°C Indoor temperature: 18 to 32°C Indoor humidity: 80% max.	<ul style="list-style-type: none"> • A safety device may work to stop the operation. • Condensation may occur on the indoor unit and drip.

- Operation outside this humidity or temperature range may cause a safety device to disable the system.

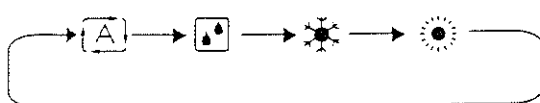
AUTO Mode Operation

In AUTO mode, the air conditioner automatically selects the most appropriate settings.

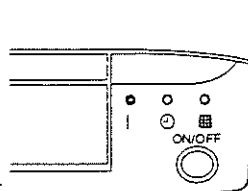
1 Press **MODE** and select “**A**”.



- Each pressing of the button advances the mode setting in sequence.



2 Press **ON/OFF**

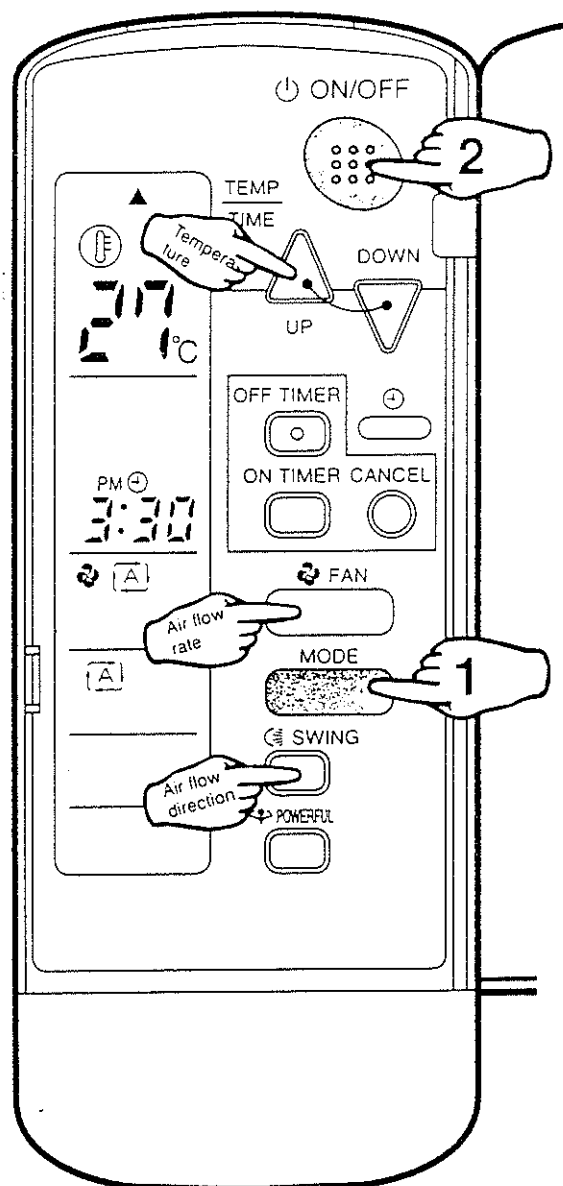


Then OPERATION lamp lights up.

■ To stop:

Press **ON/OFF** once again.



Then OPERATION lamp goes off.





Notes on AUTO operation


- In AUTO operation, the system selects a temperature setting and an appropriate mode (DRY, COOL or HEAT) based on the room temperature at the start of the operation.
- The system automatically reselects settings at a regular interval to bring the room temperature to the user-setting level.

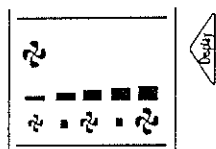
■ To change the temperature setting:

Press  to raise the temperature and press  to lower the temperature.

- Each time () or () is pressed, the temperature setting goes up or down by 1°C at maximum.

■ To change the air flow rate setting:

Press .



- Five levels of air flow rate setting are available, from " " to " " plus " (A)".

■ To change the air flow direction:

(See page 21.)

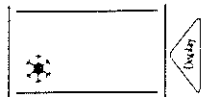
-
- If you do not like AUTO operation, you can select manually the mode and settings you like.
(See page 19.)

DRY/COOL/HEAT Mode Operation

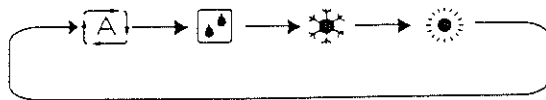
The air conditioner operates with the settings of your choice.

From the next time on, the air conditioner will operate with the same settings.

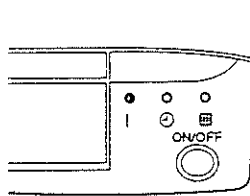
- 1** Press **MODE** and select a mode.



- Each pressing of the button advances the mode setting in sequence.



- 2** Press **ON/OFF**

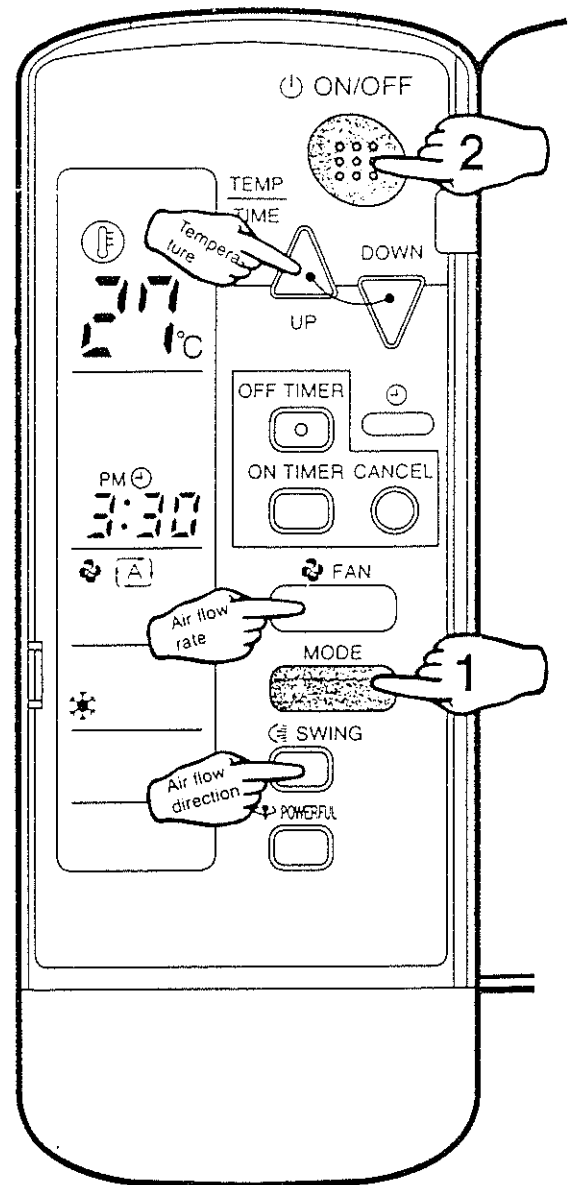


Then OPERATION lamp lights up.

■ To stop:

Press **ON/OFF** once again.

Then OPERATION lamp goes off.



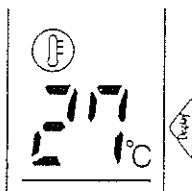


Notes on heating operation


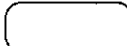
- Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.
- The heat pump system heats the room by circulating hot air around all parts of the room. After the start of heating operation, it takes some time before the room gets warmer.





- In heating operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.
- During defrosting operation, hot air does not flow out of the indoor unit.
- At the start of heating, the hot air flows out toward the floor and the walls so that people will not be exposed to the air flow. When the room temperature has risen sufficiently, the hot air flows out at the angle and the rate you chose.

■ To change the temperature setting:

DRY mode	COOL or HEAT mode
The temperature setting is not variable.	Press  to raise the temperature and press  to lower the temperature.
	Set to the temperature you like. 

■ To change the air flow rate setting:

Press  .

DRY mode	COOL or HEAT mode
The air flow rate setting is not variable.	Five levels of air flow rate setting from “  ” to “  ” plus “  (A)” are available. 

- At smaller air flow rates, the cooling or heating effect is also smaller.

■ To change the air flow direction:

(See page 21.)

Notes on DRY mode operation


- This operation dehumidifies the indoor air when it is humid.

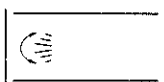
Adjusting the Air Flow Direction

You can adjust the air flow direction to increase your comfort.

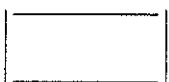
Adjusting the horizontal blade (flap)

Press  SWING

- Every time the button is pressed, "" appears or disappears.

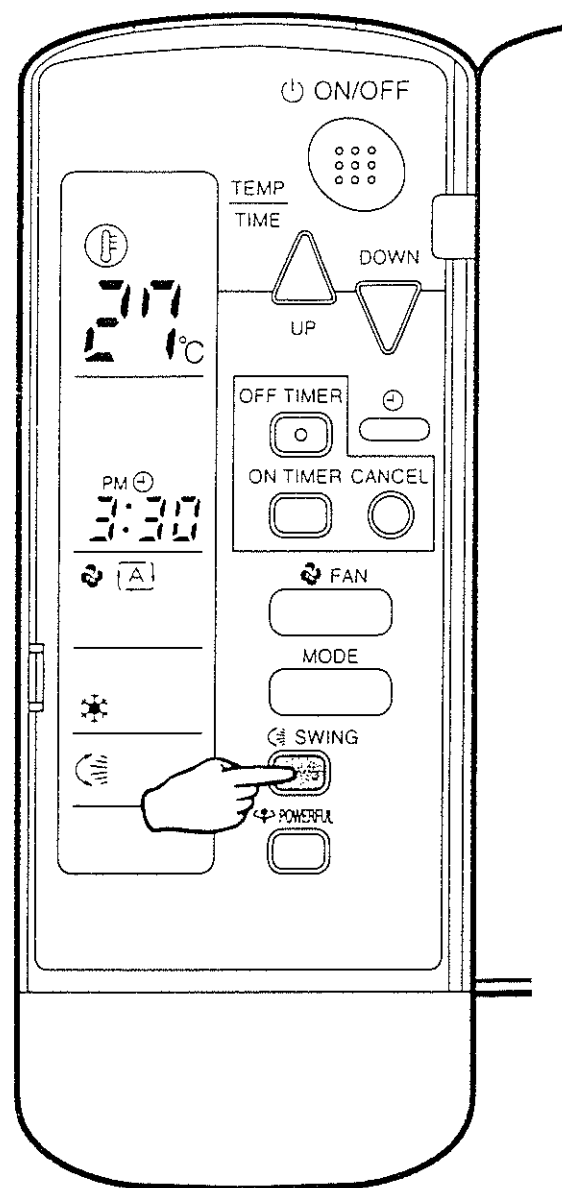
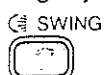


..... The flap automatically swings up and down.



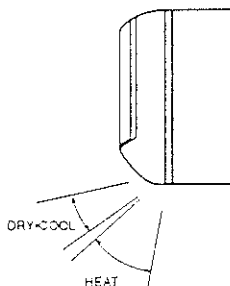
No display

..... To stop the flap at an angle you like, press



Notes on flap angles

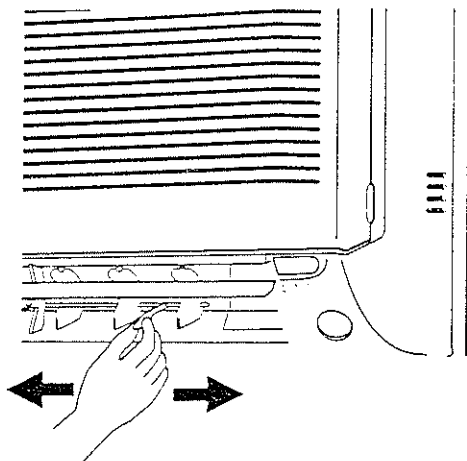
- When [SWING] is selected, the flap swinging range depends on the operation mode. (See the figure.)
- When [SWING] is selected in heating operation, the flap and the diffuser swing up and down in combination.
- The diffuser is kept open in DRY or COOL mode.



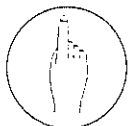
NOTE

Unless [SWING] is selected, you should set the flap at a downward angle in HEAT mode and at a near-horizontal angle in COOL or DRY mode to obtain the best performance.

Adjusting the louvre



Hold the knob and move the louvre.
(You will find a knob on the left-end and the right-end blades.)



ATTENTION

- Always use a remote controller to adjust the flap angle.
If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
- Be careful when adjusting the louvre. Inside the air outlet, a fan is rotating at a high speed.

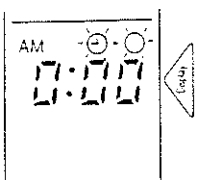
Timer Operation

Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use OFF TIMER and ON TIMER in combination.

OFF TIMER operation

- Check that the clock is correct.
If not, set the clock to the present time. (See page 15.)

1 Press **OFF TIMER** while the air conditioner is operating.

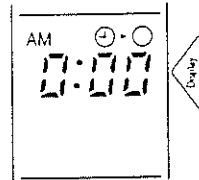
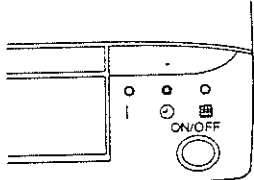


AM 0:00 is displayed.
⊕ · ⊖ flashes.

2 Press **UP** **DOWN** until the time setting reaches the point you like.

- Every pressing of either button increases or decreases the time setting by ten minutes. Holding down either button changes the setting rapidly.

3 Press **OFF TIMER** once again.

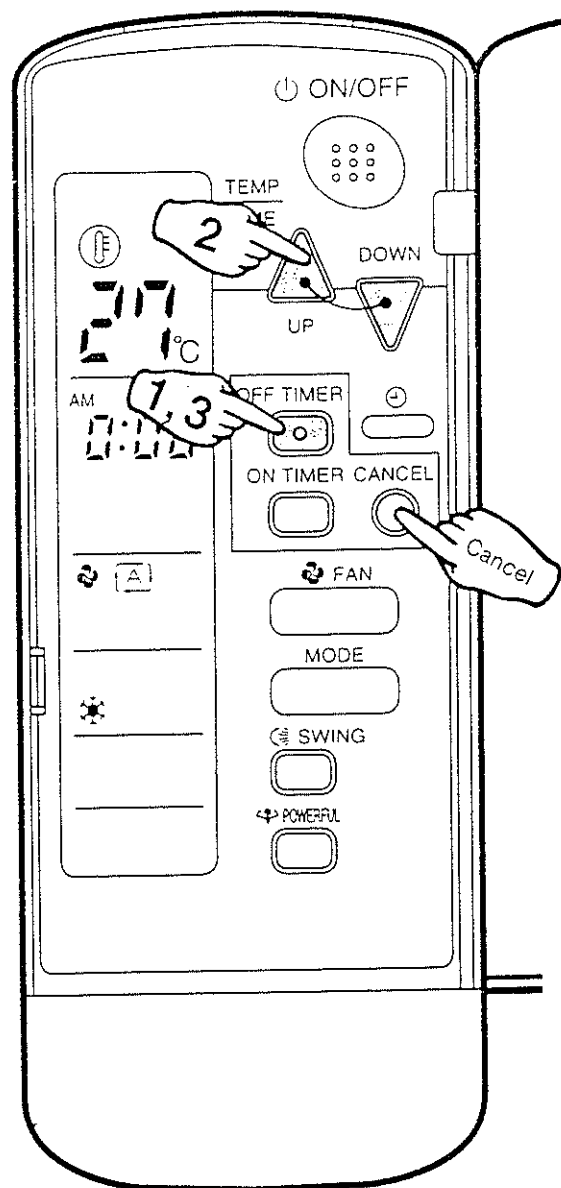
Then the TIMER lamp lights up.

■ To cancel the timer:

Press **CANCEL**.



Then the TIMER lamp goes off.



Notes on OFF TIMER


- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.5°C up in COOL and 2°C down in HEAT mode, while no adjustment takes place in AUTO mode) to prevent excessive cooling or heating for your pleasant sleep.

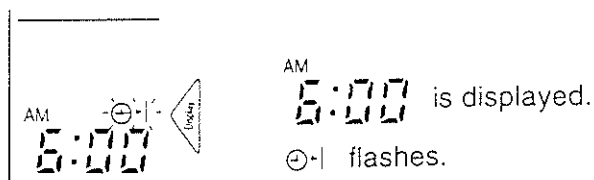
Notes on ON, OFF TIMER



- When ON TIMER is set, the present time is not displayed.
- Once you set ON, OFF TIMER, the time setting is kept in the memory. (The memory is canceled when remote controller batteries are replaced.)

ON TIMER operation

- Check that the clock is correct.
If not, set the clock to the present time. (See page 15.)

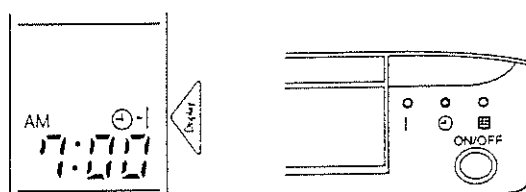
1 Press  while the air conditioner is not operating.



2 Press   until the time setting reaches the point you like.


- Every pressing of either button increases or decreases the time setting by ten minutes. Holding down either button changes the setting rapidly.

3 Press  once again.

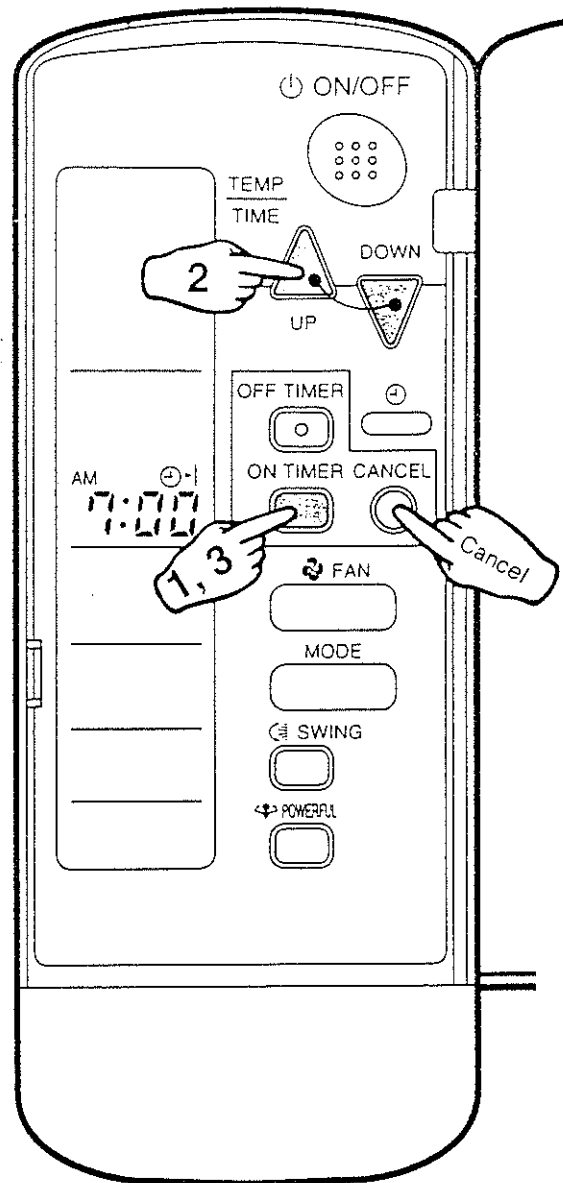


Then the TIMER lamp lights up.

■ To cancel the timer:

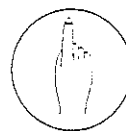
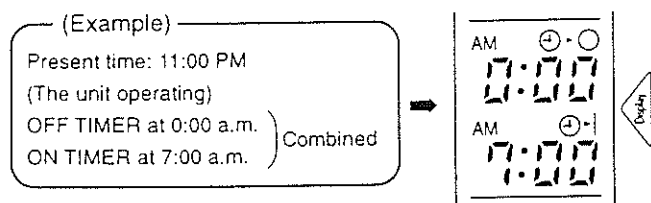
Press .

Then the TIMER lamp goes off.



Combining ON TIMER and OFF TIMER

- A sample setting for combining the two timers is shown below.



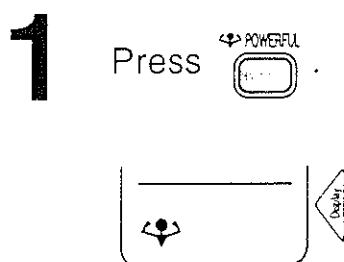
ATTENTION

- In the following cases, set the timer again.
 - After a breaker has turned OFF.
 - After a power failure.
 - After replacing batteries in the remote controller.

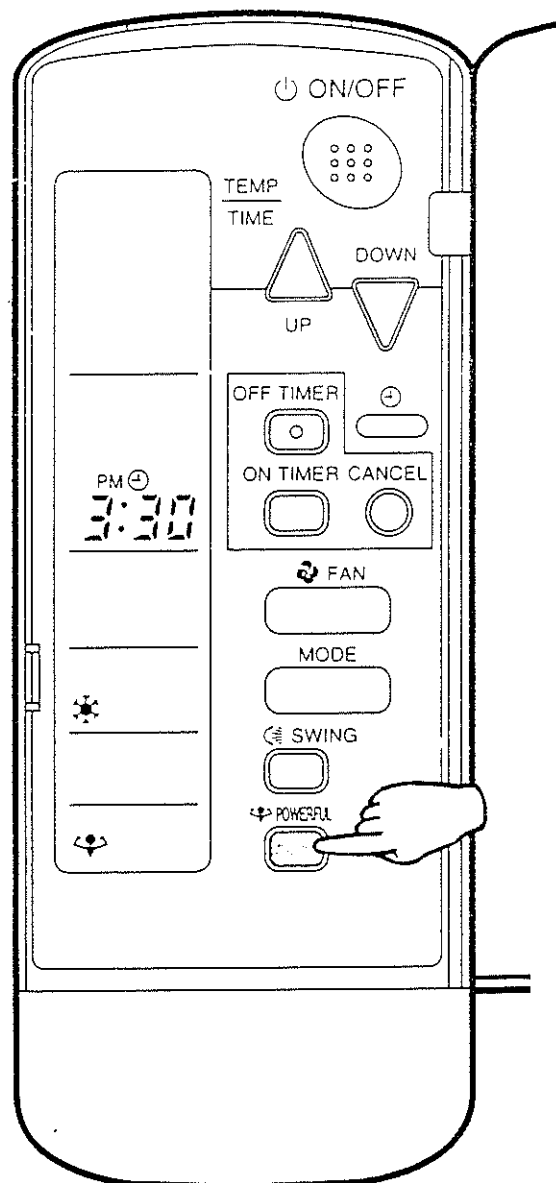
POWERFUL Operation

POWERFUL operation quickly maximizes the cooling or heating effect in any operation mode. You can get the maximum capacity with a touch of a button.

- Pressing the (POWERFUL) button during operation starts POWERFUL operation.
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the settings which were used before POWERFUL operation.



■ To cancel POWERFUL operation:



Notes on POWERFUL operation

- In COOL mode
To maximize the cooling effect, the temperature setting is fixed to 18°C and the air flow rate is fixed to the maximum setting. The temperature and air flow settings are not variable.
- In DRY mode
The temperature setting is lowered by 3°C and the air flow rate is slightly increased. You can repeat POWERFUL operation if you need even more dehumidification.
- In HEAT mode
To maximize the heating effect, the temperature setting is fixed to 28°C and the air flow rate is fixed to the maximum setting. The temperature and air flow settings are not variable.
→ The air flow rate remains at the user setting level while the discharge air temperature is not high enough. When the discharge air temperature rises to a high enough level, the air flow rate is automatically set to the maximum.
- In AUTO mode
To cool or heat the room rapidly to the user temperature setting level, the air flow rate is set to the maximum level. The temperature setting is variable. The air flow rate is not variable.

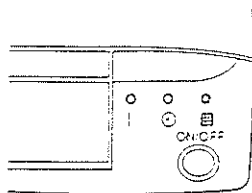
Care and Cleaning



CAUTION

Before cleaning, be sure to stop the operation and turn the breaker OFF.

Cleaning the air filters (It is recommended to clean them every two weeks.)

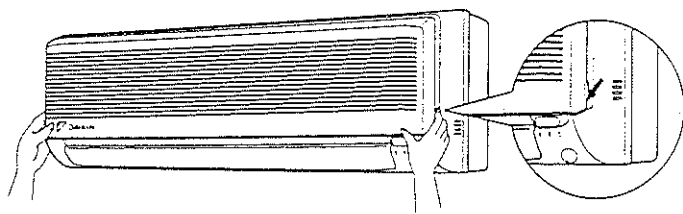


Clean the air filters, when CLEANING lamp lights up.

1

Open the front grille.

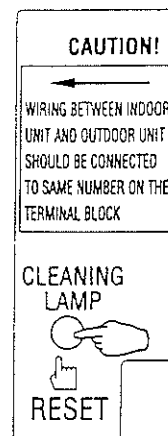
- Hold the grille by the tabs on the two sides and lift it until it stops with a click. (about 60°)



2

Push CLEANING LAMP RESET button.

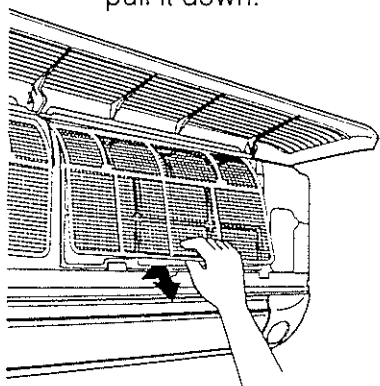
(See page 8.)



3

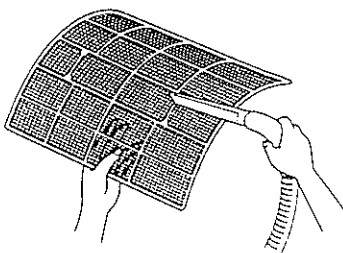
Pull out the air filters.

- Push a little upwards the tab at the center of each air filter, then pull it down.



4

Take off the air purifying filters and clean them.

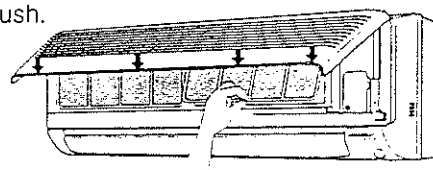


- Wash them with water, or clean them with a vacuum cleaner.
- If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.

5

Set the air purifying filters and the air filters as they were and close the front grille.

Push.



Insert claws of the filters into slots of the front panel.

The front grille should lock at both sides and at the two points in the middle. Push the grille at the 4 points indicated by ■.



NOTE

- In a dusty environment, clean the air filters at least once in every two weeks even before the CLEANING lamp lights up.
- Operation with dusty air filters lowers the cooling or heating capacity and wastes energy.

Cleaning the front grille You may remove the front grille for cleaning.

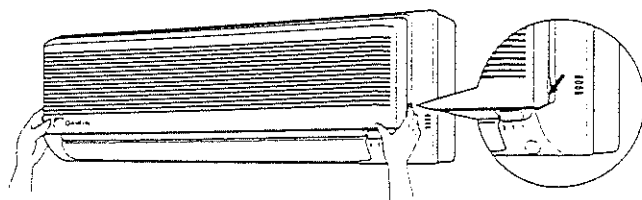


CAUTION

- When removing or attaching the front grille, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front grille, support the grille securely with hand to prevent it from falling.
- For cleaning, do not use water hotter than 40°C, benzine, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes nor other hard stuff.
- After cleaning, make sure that the front grille is securely fixed.

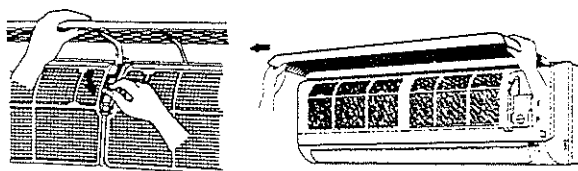
1 Open the front grille.

- Hold the grille by the tabs on the two sides and lift it until it stops with a click.



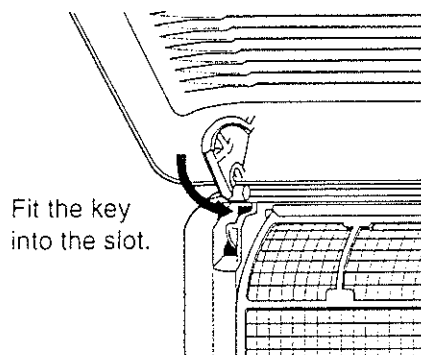
2 Remove the front grille.

- Supporting the front grille with one hand, release the lock by sliding down the knob with the other hand.
- To remove the front grille, pull it toward yourself with both hands.



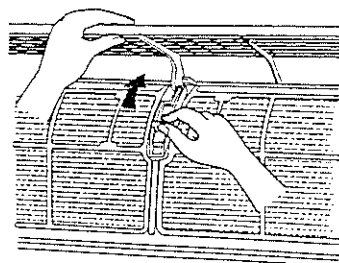
3 Clean the front grille.

- You may wipe it with a soft cloth soaked in water.
- Only neutral detergent may be used.
- You may wash the grille with water. After washing, dry it with cloth, then dry it up in the shade.



4 Attach the front grille.

- Set the 3 keys of the front grille into the slots and push them in all the way.
- Supporting the front grille with one hand, fit the lock by sliding up the knob with the other hand.
- Close the front grille slowly in this state.
(Push the grille at the 4 points, two at both sides and two in the middle.)



Care and Cleaning

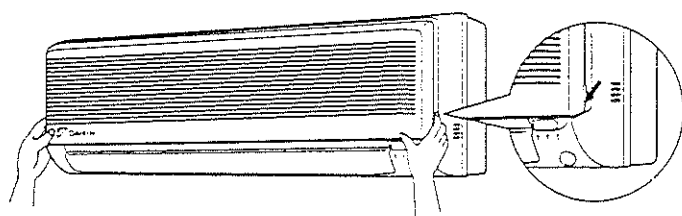
Cleaning the indoor and outdoor units and the remote controller

- Wipe them with dry soft cloth.
For cleaning, do not use water hotter than 40°C, benzine, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes nor other hard stuff.

Replacing air purifying filters (it is recommended to replace them every three months.)

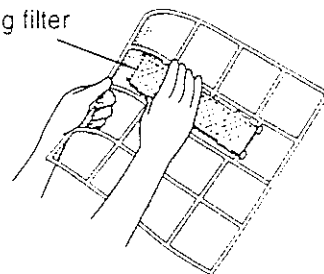
- Air purifying filters need to be replaced regularly.
- When the filter colour has turned as dark as the sample label, replace them even if they are not yet three months old.

1 Open the front grille and pull out the air filters.



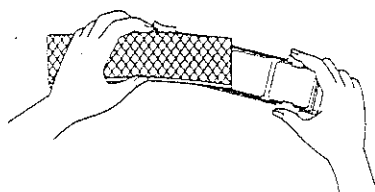
2 Take off the air cleaning filters.

Air purifying filter frame

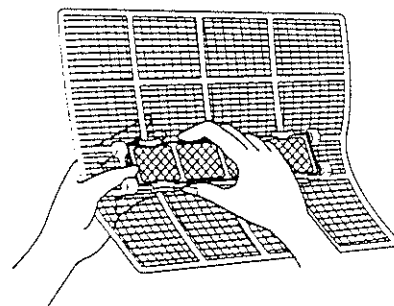


3 Detach the filter element and attach a new one.

- Hold the recessed parts of the frame and unhook the four claws.



4 Attach the air purifying filter.



5 Set the air filters as they were and close the front grille.

(Push the grille at the 4 points, two at both sides and two in the middle.)



NOTE

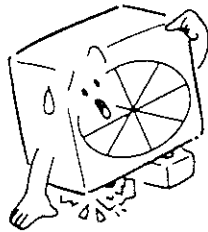
- To order air purifying filters, contact the service shop where you bought the air conditioner
- Once the air purifying filter element gets dirty, it is not reusable but must be thrown away.
- Operation with dirty air purifying filters:
 - cannot clean the air.
 - results in poor cooling or heating.
 - may cause odour.

Item	Part No.
Air purifying filter (Framed type) 2 pieces, 1 set	KAF918A41
Air purifying filter (No frame) 4 pieces, 2 sets	KAF918A42

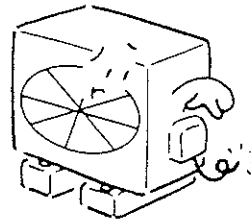
Care and Cleaning

Check

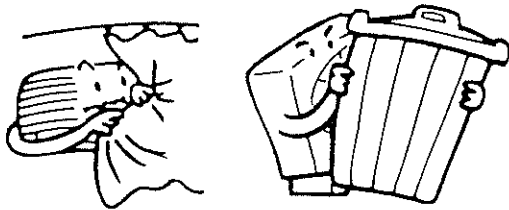
Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.



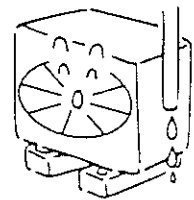
Check that the earth wire is not disconnected or broken.



Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.



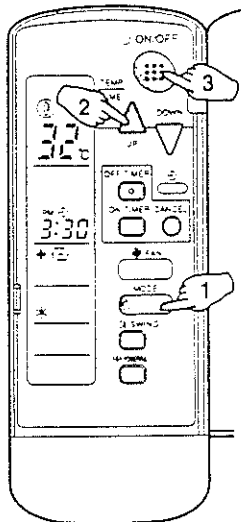
Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.



- If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

Before a long idle period

- ① Operate the fan alone for several hours on a fine day to dry out the inside.



To operate the fan alone:

1 Press and select "❄️".

2 Press and set the temperature to 32°C.

3 Press .



- The air flow rate is fixed regardless of the setting.
- Perform this operation when the room temperature is under 28°C.

- ② Clean the air filters and set them again.
- ③ Take out batteries from the remote controller.
- ④ Turn OFF the breaker for the room air conditioner.

- The air conditioner consumes 15 watts of electricity even when it is stopped with the remote controller.

Trouble Shooting

These cases are not troubles.

The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

Case

Explanation

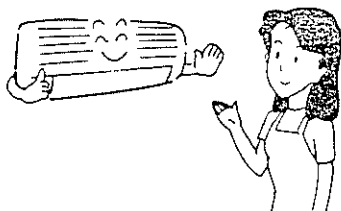
Operation does not start soon.

- When ON/OFF button was pressed soon after operation was stopped.
- When the mode was re-selected.



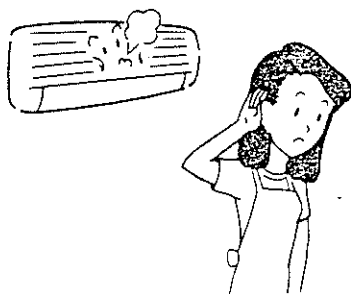
- This is to protect the air conditioner. You should wait for about 3 minutes.

Hot air does not flow out soon after the start of heating operation.



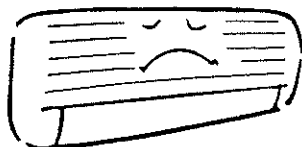
- The air conditioner is warming up. You should wait for 1 to 4 minutes. (The system is designed to start discharging air only after it has reached a certain temperature.)

The air conditioner emits sounds.



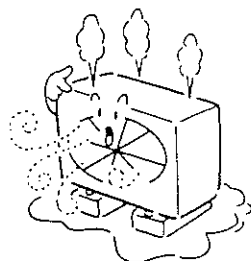
- A flowing sound:
 - This is the sound of refrigerant gas flowing in the air conditioner.
- A 'psss' sound:
 - This is a sound emitted when the refrigerant flow stops or changes inside the unit.
- A snap sound:
 - This is a sound produced when the indoor unit casing shrinks or expands slightly due to temperature changes.
- A "plop-plop" sound:
 - This is a sound heard from the air conditioner when a ventilator is operated in a closed space. Open a window or stop the ventilator.

The heating operation stops suddenly and a flowing sound is heard.



- The system is taking away the frost on the outdoor unit. You should wait for about 3 to 8 minutes.

The outdoor unit emits water or steam.



- In HEAT mode
 - The frost on the outdoor unit melts into water or steam when the air conditioner is in defrost operation.
- In COOL or DRY mode
 - Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.

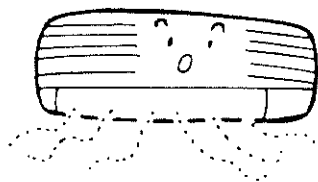
Trouble Shooting

These cases are not troubles.

Case

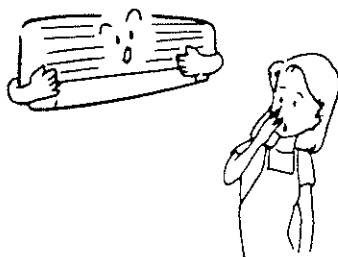
Explanation

Mists come out of the indoor unit.



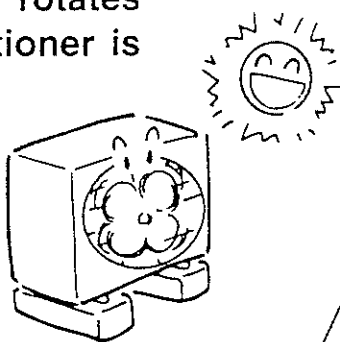
- This happens when the air in the room is cooled into mist by the cold air flow during cooling operation.

The indoor unit gives out odour.



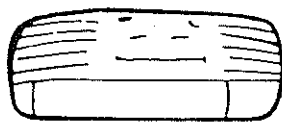
- This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the air flow.
(If this happens, we recommend you to have the indoor unit washed by a technician. Consult the service shop where you bought the air conditioner.)

The outdoor fan rotates while the air conditioner is not in operation.



- After operation is stopped:
 - The outdoor fan continues rotating for another 30 seconds for system protection.
- While the air conditioner is not in operation:
 - When the outdoor temperature is very high, the outdoor fan starts rotating for system protection.

The operation stopped suddenly.
(OPERATION lamp is on)



- For system protection, the air conditioner may stop operating on a sudden large voltage fluctuation. It automatically resumes operation in about 3 minutes.

Trouble Shooting

Call the service shop immediately.



WARNING

- When an abnormality (such as a burning smell) occurs, stop operation and turn the breaker OFF.

Continued operation in an abnormal condition may result in troubles, electric shocks or fire.

Consult the service shop where you bought the air conditioner.

- Do not attempt to repair or modify the air conditioner by yourself.

Incorrect work may result in electric shocks or fire.

Consult the service shop where you bought the air conditioner.

If one of the following symptoms takes place, call the service shop immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The safety breaker, a fuse, or the earth leakage breaker cuts off the operation frequently.
- A switch or a button often fails to work properly.
- There is a burning smell.
- Water leaks from the indoor unit.

Turn the breaker OFF and call the service shop.



- After a power failure

The air conditioner automatically resumes operation in about three minutes. You should just wait for a while.

- Lightening

If lightening may strike the neighboring area, stop operation and turn the breaker OFF for system protection.

We recommend periodical maintenance

In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist aside from regular cleaning by the user. For specialist maintenance, contact the service shop where you bought the air conditioner. The maintenance cost must be born by the user.