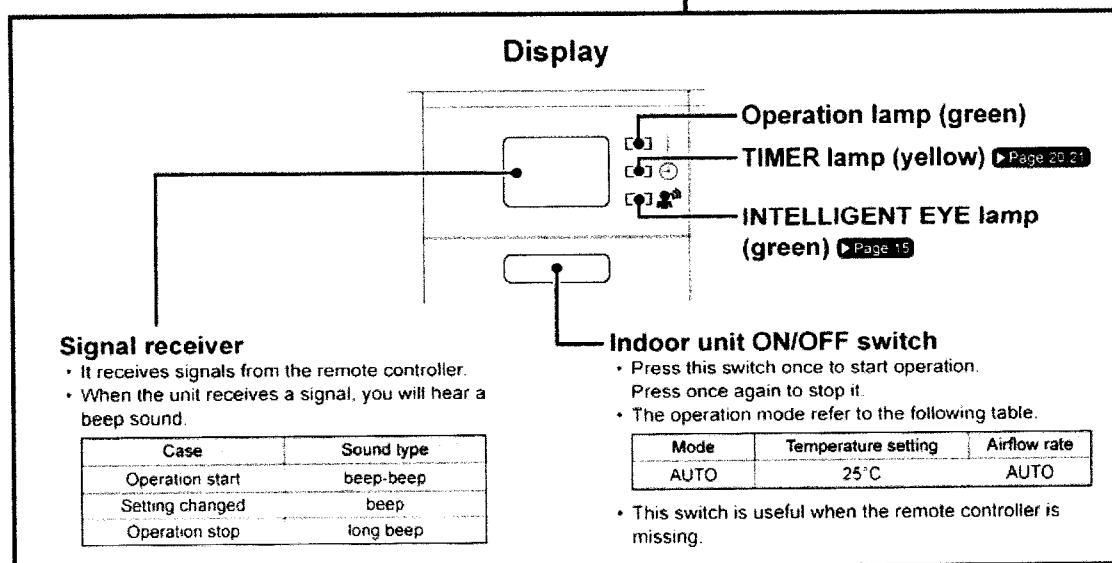
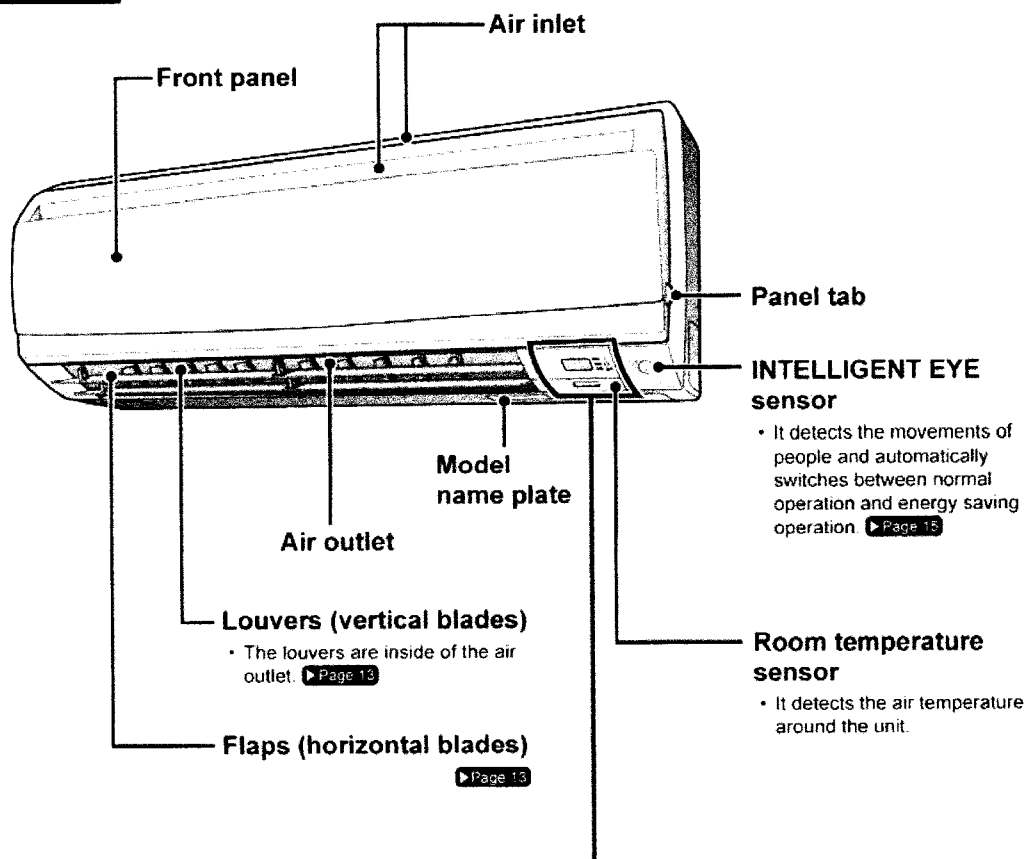


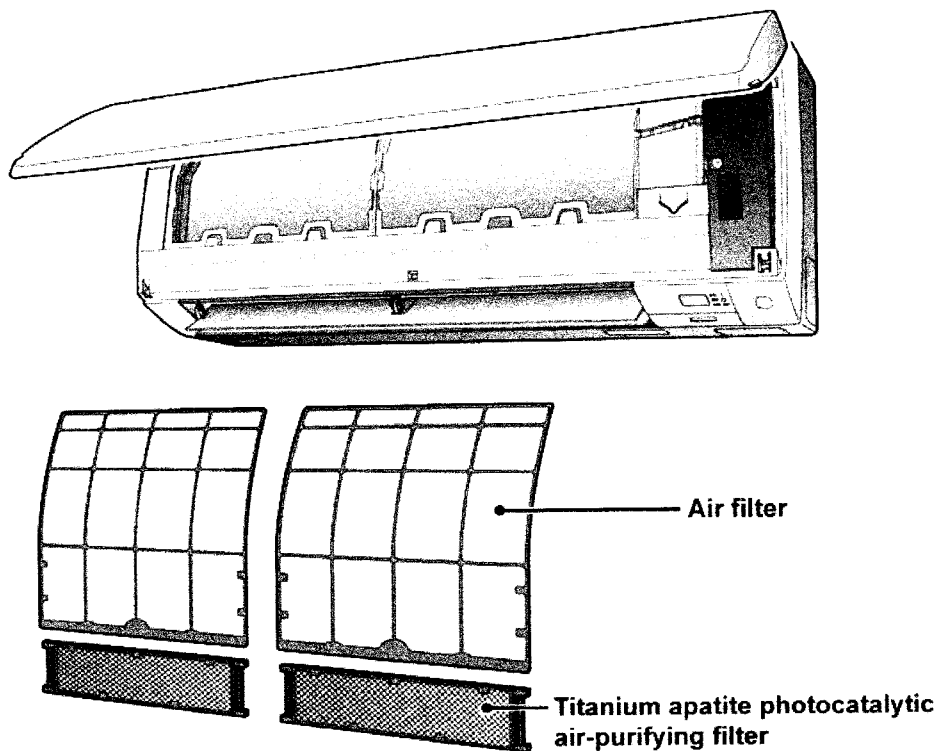
12.2 25/35 Class

Name of Parts

Indoor Unit

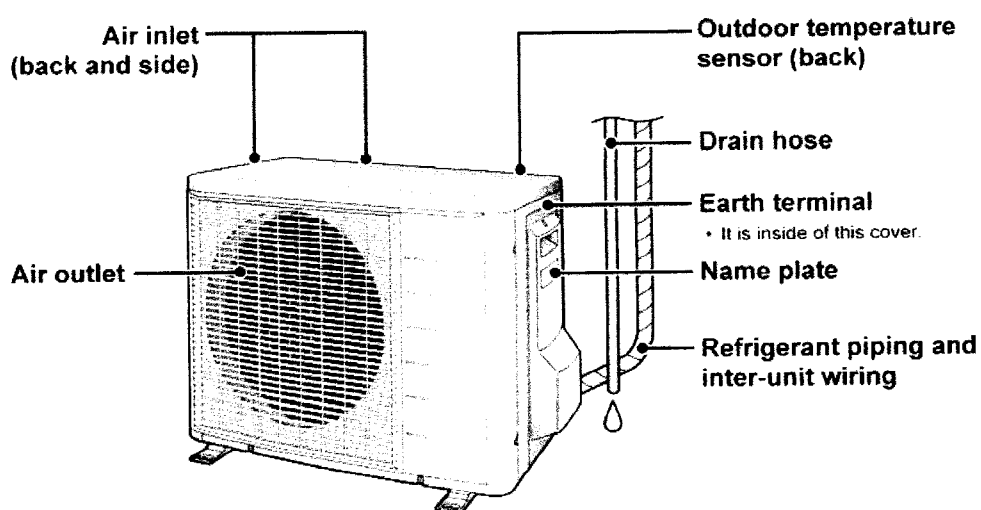


■ Open the front panel



Outdoor Unit

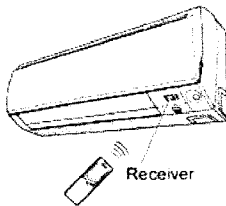
• Appearance of the outdoor unit may differ from some models.



Name of Parts

Remote Controller

Signal transmitter



- 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 approx. 7m.

FAN setting button

- It selects the airflow rate setting. ▶ Page 14

POWERFUL button

- POWERFUL operation. ▶ Page 17

Display (LCD)

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

TEMPERATURE adjustment buttons

- It changes the temperature setting. ▶ Page 12

ON/OFF button

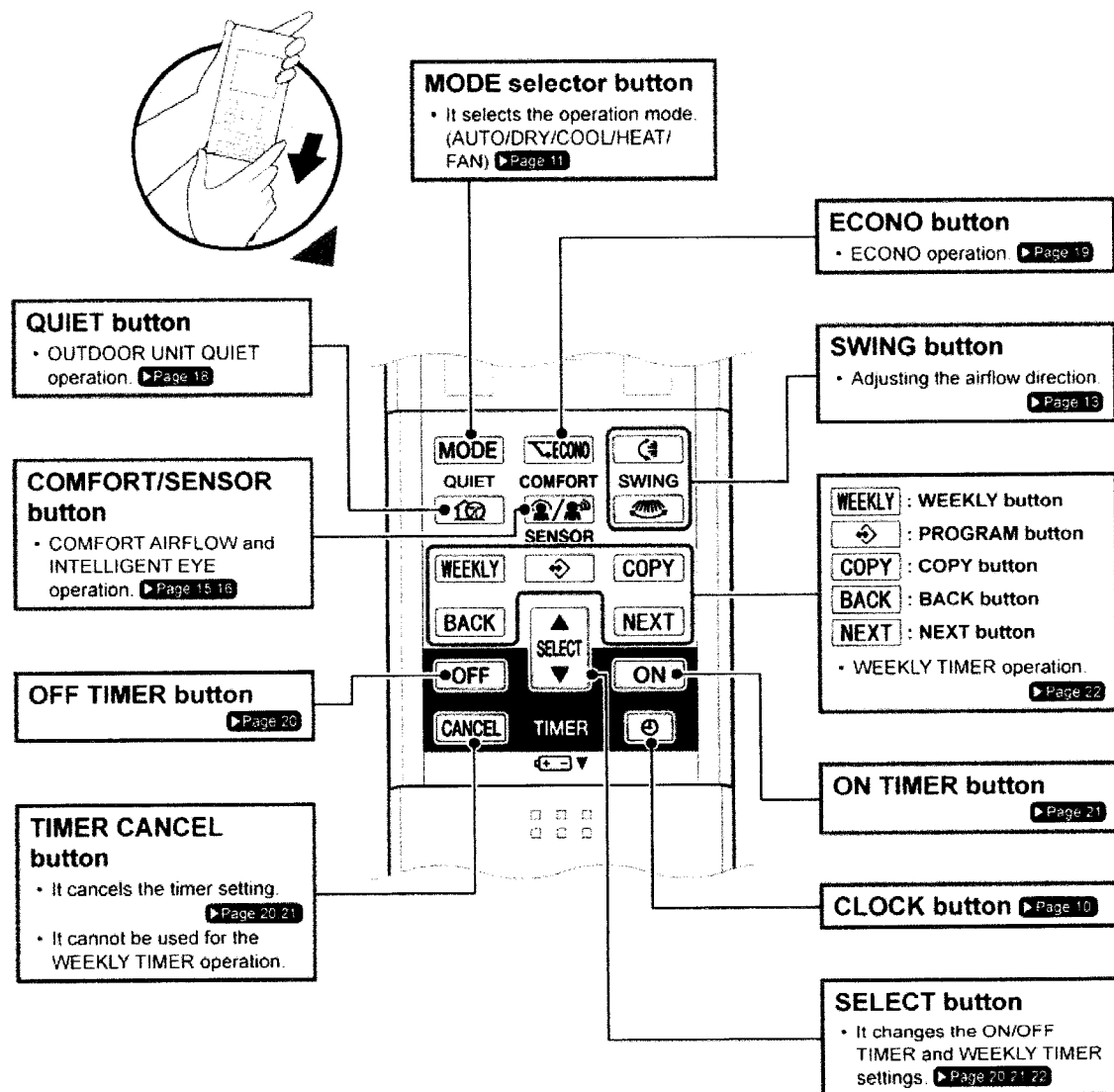
- Press this button once to start operation. Press once again to stop it. ▶ Page 11

Front cover

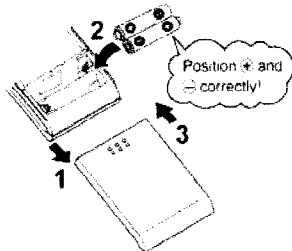
- Open the front cover. ▶ Page 8

Model: ARC452A4

■ Open the front cover



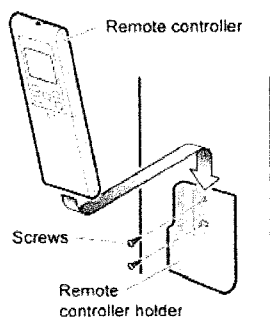
Preparation before Operation



■ To set the batteries

1. Slide the front cover to take it off.
2. Set 2 dry batteries AAA.LR03 (alkaline).
3. Set the front cover as before.

■ 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. Place the remote controller in the remote controller holder.

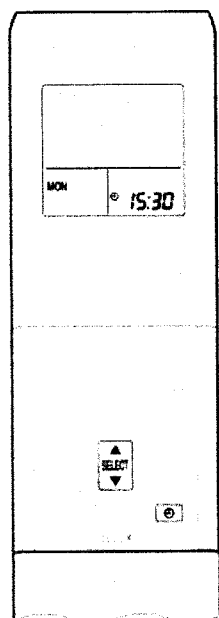
NOTE

■ Notes on batteries

- When replacing the batteries, use batteries of the same type, and replace the 2 old batteries together.
- When the system is not used for a long time, take the batteries out.
- The batteries will last for approx. 1 year. If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both 2 batteries with new, size AAA.LR03 (alkaline).
- The attached batteries are provided for the initial use of the system.
The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

■ Notes on remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the service shop.




■ Turn the breaker on

- Turning on the breaker opens once and closes the flap. (This is a normal procedure.)

■ To set the clock

1. Press .



- '0:00' is displayed
- 'MON' and  blinks



2. Press to set the current day of the week.

3. Press .



-  blinks

4. Press to set the clock to the present time.

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

5. Press .

- Always point the remote controller at the indoor unit when pressing the buttons when setting the indoor unit's internal clock.



-  blinks

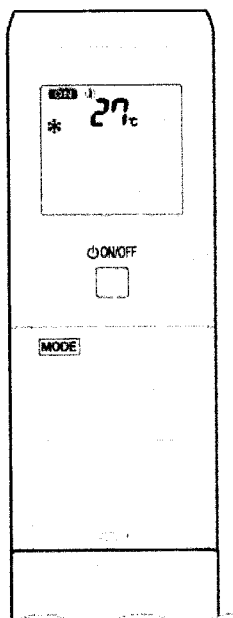
NOTE

■ Note on setting the clock

- If the indoor unit's internal clock is not set to the correct time, the WEEKLY TIMER will not operate punctually



AUTO · DRY · COOL · HEAT · FAN Operation



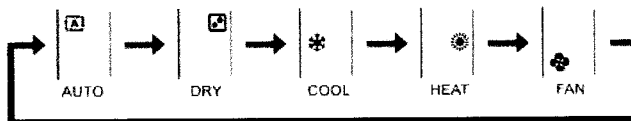
The air conditioner operates with the operation mode of your choice.

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

■ To start operation

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

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



2. Press **ON/OFF**.

- "ON" is displayed on the LCD.
- The OPERATION lamp lights up.



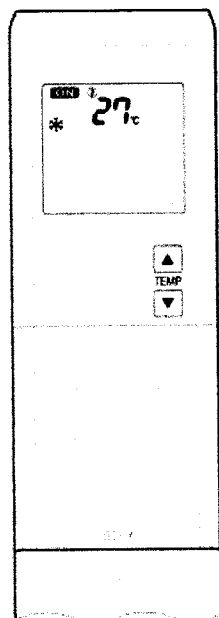
■ To stop operation

Press **ON/OFF** again.

- "ON" disappears from the LCD.
- The OPERATION lamp goes off.

NOTE

MODE	Notes on each operation mode
HEAT	<ul style="list-style-type: none"> 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 indoor unit.
COOL	<ul style="list-style-type: none"> This air conditioner cools the room by blowing the hot air in the room outside, so if the outside temperature is high, the performance of the air conditioner drops.
DRY	<ul style="list-style-type: none"> The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.
AUTO	<ul style="list-style-type: none"> In AUTO operation, the system selects a temperature setting and an appropriate operation mode (COOL or HEAT) based on the room temperature at the start of the operation. The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.
FAN	<ul style="list-style-type: none"> This mode is valid for fan only.



■ To change the temperature setting

Press  or .

- The displayed items on the LCD will change whenever either one of the buttons is pressed

COOL mode	HEAT mode	AUTO mode	DRY or FAN mode
18 – 32°C	10 – 30°C	18 – 30°C	
Press ▲ to raise the temperature and press ▼ to lower the temperature			The temperature setting is not variable

■ Operating conditions

■ Recommended temperature setting

- For cooling: 26°C – 28°C
- For heating: 20°C – 24°C

■ Tips for saving energy

- Be careful not to cool (heat) the room too much.
Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain.
Blocking sunlight and air from outdoors increases the cooling (heating) effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks.

■ Notes on the operating conditions

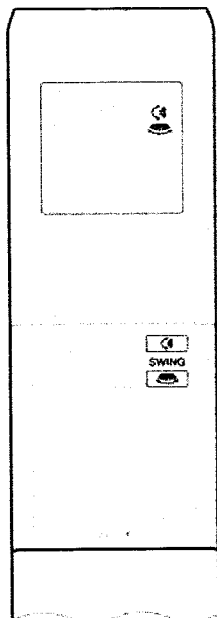
- The air conditioner always consumes 15-35W of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker off.
- Use the air conditioner in the following conditions

MODE	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature: 10 to 46°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.
HEAT	Outdoor temperature: -15 to 24°C Indoor temperature: 10 to 30°C	<ul style="list-style-type: none"> A safety device may work to stop the operation.
DRY	Outdoor temperature: 10 to 46°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.



Adjusting the Airflow Direction and Rate




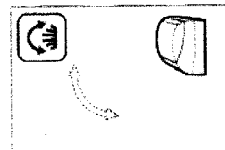
You can adjust the airflow direction to increase your comfort.

■ To start auto swing

Upper and lower airflow direction


Press .

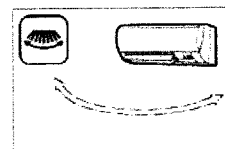
- " is displayed on the LCD.
- The flaps (horizontal blades) will begin to swing.



Right and left airflow direction





Press .

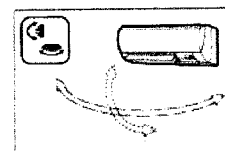
- " is displayed on the LCD.
- The louvers (vertical blades) will begin to swing.



The 3-D airflow direction

Press  and .



- " and " are displayed on the LCD.
- The flaps and louvers move in turn.
- To cancel 3-D airflow, press either  or  again. The flaps or louvers will stop moving.

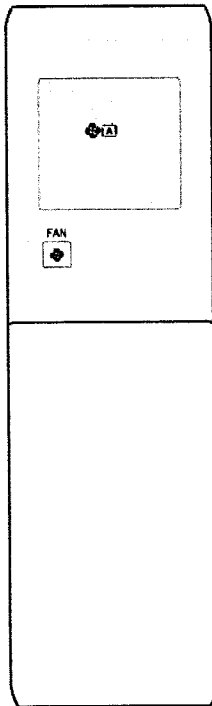


■ To set the flaps or louvers at desired position

- This function is effective while flaps or louvers are in auto swing mode.


Press  and  when the flaps or louvers have reached the desired position.

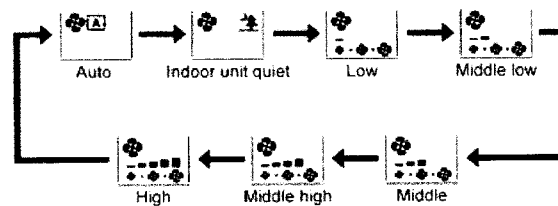
- In the 3-D airflow, the flaps and louvers move in turn.
- " or " disappears from the LCD.




■ To adjust the airflow rate setting

Press .

- Each pressing of  advances the airflow rate setting in sequence.

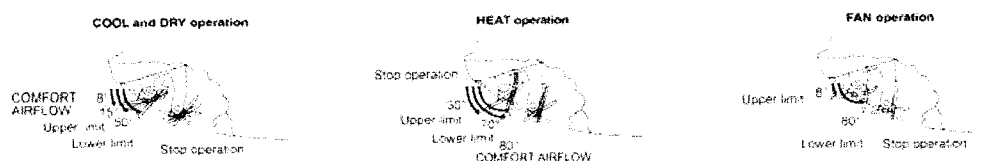


- When the airflow is set to , indoor unit quiet operation will start and the noise from the unit will become quieter.
- In indoor unit quiet operation, the airflow rate is set to a weak level.
- In DRY mode, the airflow rate setting is not variable.

NOTE

■ Note on the angles of the flaps

- The flaps swinging range depends on the operation mode. (See the figure.)



■ Note on 3-D airflow

- Using 3-D airflow circulates cold air, which tends to collect at the bottom of the room, and hot air, which tends to collect near the ceiling, throughout the room, preventing areas of cold and hot developing.

■ Note on airflow rate setting

- At smaller airflow rates, the cooling (heating) effect is also smaller.

⚠ CAUTION

- Always use a remote controller to adjust the angles of the flaps and louvers. If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
- Always use a remote controller to adjust the louvers angles. Inside the air outlet, a fan is rotating at a high speed.



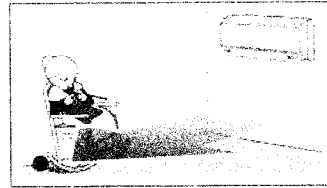
COMFORT AIRFLOW / INTELLIGENT EYE Operation

■ COMFORT AIRFLOW operation

The flow of air will be in the upward direction while in COOL operation and in the downward direction while in HEAT operation, which will provide a comfortable wind that will not come in direct contact with people.



COOL operation

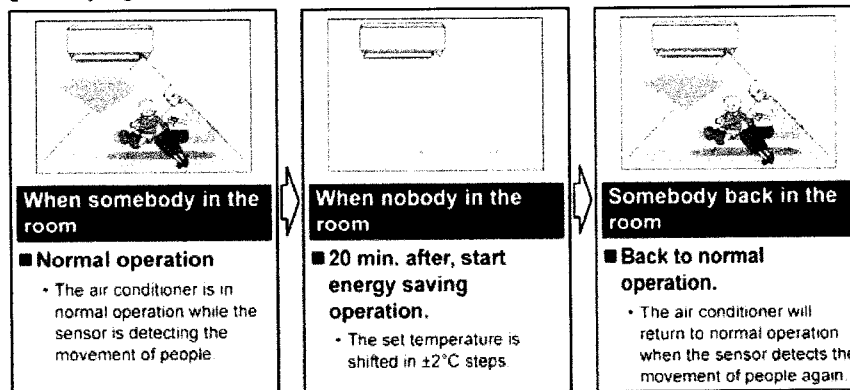


HEAT operation

■ INTELLIGENT EYE operation

"INTELLIGENT EYE" is the infrared sensor which detects the human movement. If nobody in the room for more than 20 minutes, the operation automatically changes to energy saving operation.

[Example]



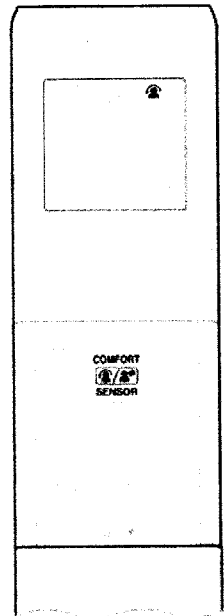
INTELLIGENT EYE operation is useful for energy saving

■ Energy saving operation

- If no presence detected in the room for 20 minutes, the energy saving operation will start.
- This operation changes the temperature -2°C in HEAT / $+2^{\circ}\text{C}$ in COOL / $+2^{\circ}\text{C}$ in DRY mode from set temperature.
- This operation decreases the airflow rate slightly in FAN mode only.



■ Combination COMFORT AIRFLOW and INTELLIGENT EYE operation

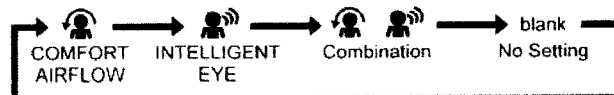
The air conditioner can go into operation with the COMFORT AIRFLOW and INTELLIGENT EYE functions combined.



■ To start operation

Press  and select the desired mode.

- Each time the  is pressed a different setting option is displayed on the LCD.
- By selecting  from the following icons, the air conditioner will be in COMFORT AIRFLOW operation combined with INTELLIGENT EYE operation.



- When the flaps (horizontal blades) are swinging, the operating as above will stop movement of them.

■ To cancel operation

Press  and select "blank" on the LCD.

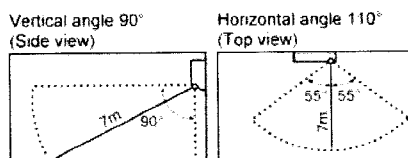
NOTE


■ Notes on COMFORT AIRFLOW operation

- The flap position will change, preventing air from blowing directly on the occupants of the room
- POWERFUL operation and COMFORT AIRFLOW operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last
- The airflow rate will be set to AUTO. If the upper and lower airflow direction is selected, the COMFORT AIRFLOW function will be canceled.

■ Notes on INTELLIGENT EYE operation

- Application range is as follows



- Sensor may not detect moving objects further than 7m away (Check the application range)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operation will not go on during POWERFUL operation
- NIGHT SET MODE  Page 20 will not go on during use of INTELLIGENT EYE operation

■ Notes on combination of COMFORT AIRFLOW operation and INTELLIGENT EYE operation

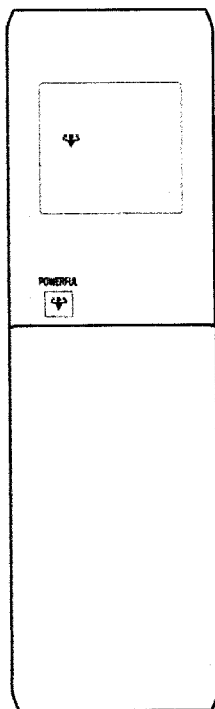
- The airflow rate will be set to AUTO. If the upper and lower airflow direction is selected, the COMFORT AIRFLOW operation will be canceled. Priority is given to the function of whichever button is pressed last.

⚠ CAUTION

- Do not place large objects near the sensor. Also keep heating units or humidifiers outside the sensor's detection area. This sensor can detect undesirable objects.
- Do not hit or violently push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.




POWERFUL Operation



POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity.

■ To start POWERFUL operation

Press  during operation.

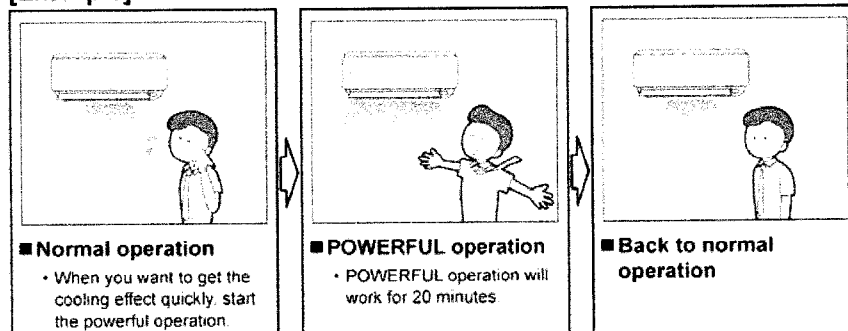
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.
- “” is displayed on the LCD.

■ To cancel POWERFUL operation

Press  again.



- “” disappears from the LCD.

[Example]



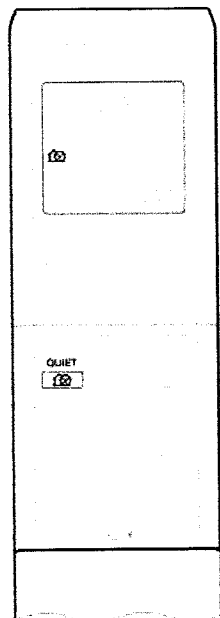
NOTE

■ Notes on POWERFUL operation

- When using POWERFUL operation, there are some functions which are not available.
- POWERFUL operation cannot be used together with ECONO, COMFORT AIRFLOW or OUTDOOR UNIT QUIET operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL operation can only be set when the unit is running. Pressing  causes the settings to be canceled, and the “” disappears from the LCD.
- POWERFUL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.
- **In COOL and HEAT mode**
To maximize the cooling (heating) effect, the capacity of outdoor unit must be increased and the airflow rate be fixed to the maximum setting. The temperature and airflow settings are not variable.
- **In DRY mode**
The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
- **In FAN mode**
The airflow rate is fixed to the maximum setting.
- **In AUTO mode**
To maximize the cooling (heating) effect, the capacity of outdoor unit must be increased and the airflow rate be fixed to the maximum setting.



OUTDOOR UNIT QUIET Operation



OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit by changing the frequency and fan speed on the outdoor unit. This function is convenient during the night.

■ To start OUTDOOR UNIT QUIET operation

Press .

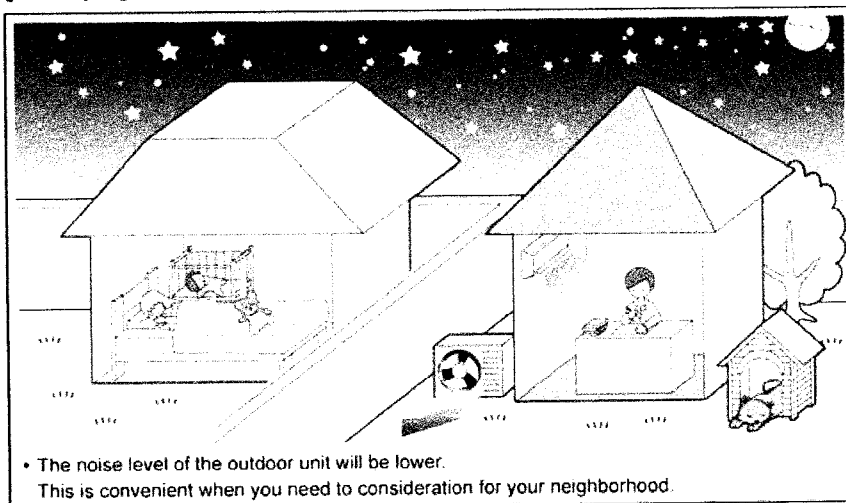
- " is displayed on the LCD

■ To cancel OUTDOOR UNIT QUIET operation

Press  again.

- " disappears from the LCD.


[Example] Using the OUTDOOR UNIT QUIET operation during the night.



- The noise level of the outdoor unit will be lower.
This is convenient when you need to consider for your neighborhood.

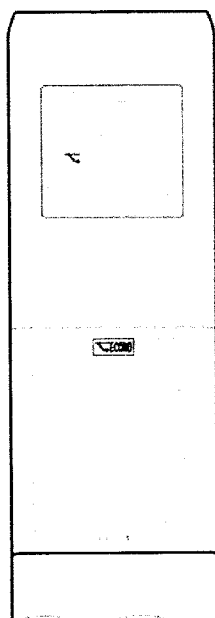
NOTE

■ Notes on OUTDOOR UNIT QUIET operation

- This function is available in COOL, HEAT, and AUTO mode.
This is not available in FAN and DRY mode.
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time.
Priority is given to the function of whichever button is pressed last.
- Even the operation is stopped using the remote controller or the main unit ON/OFF switch when using OUTDOOR UNIT QUIET operation,
 will remain on the remote controller display.
- OUTDOOR UNIT QUIET operation will drop neither the frequency nor fan speed if they have been already dropped low enough.



ECONO Operation



ECONO operation is a function which enables efficient operation by limiting the maximum power consumption value.

This function is useful for cases in which attention should be paid to ensure a circuit breaker will not trip when the product runs alongside other appliances.

■ To start ECONO operation

Press  during operation.

-  is displayed on the LCD.

■ To cancel ECONO operation

Press  again.

-  disappears from the LCD.

[Example]

Normal operation



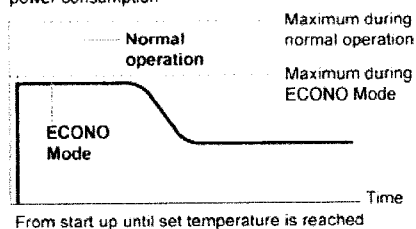
- In case the air conditioner and other appliances which require high power consumption are used at same time, a circuit breaker may trip if the air conditioner operate with its maximum capacity.

ECONO operation



- The maximum power consumption of the air conditioner is limited by using ECONO operation. The circuit breaker will hardly trip even if the air conditioner and other appliances are used at same time.



Running current and power consumption



- This diagram is a representation for illustrative purposes only. The maximum running current and power consumption of the air conditioner in ECONO mode vary with the connecting outdoor unit.

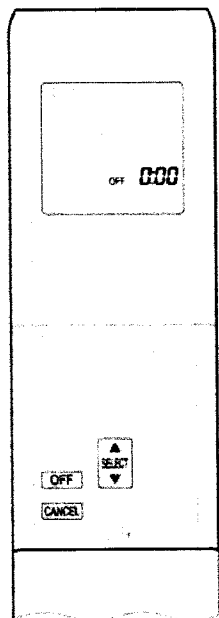
NOTE

■ Notes on ECONO operation

- ECONO operation can only be set when the unit is running. Pressing  causes the settings to be canceled, and the  disappears from the LCD.
- ECONO operation is a function which enables efficient operation by limiting the power consumption of the outdoor unit (operating frequency).
- ECONO operation functions in AUTO, COOL, DRY, and HEAT modes.
- POWERFUL and ECONO operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- If the level of power consumption is already low, ECONO operation will not drop the power consumption.



OFF 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.

■ To use OFF TIMER operation

- Check that the clock is correct.
If not, set the clock to the present time. ▶ Page 10

1. Press **OFF**.



- "0:00" is displayed on the LCD
- "OFF" blinks

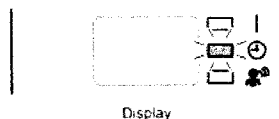
- "⊕" and day of the week disappear from the LCD.

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

- Each pressing of either button increases or decreases the time setting by 10 minutes.
Holding down either button changes the time setting rapidly.

3. Press **OFF** again.

- "OFF" and setting time are displayed on the LCD.
- The TIMER lamp lights up.



Display

■ To cancel OFF TIMER operation

Press **CANCEL**.

- "OFF" and setting time disappear from the LCD.
- "⊕" and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

NOTE

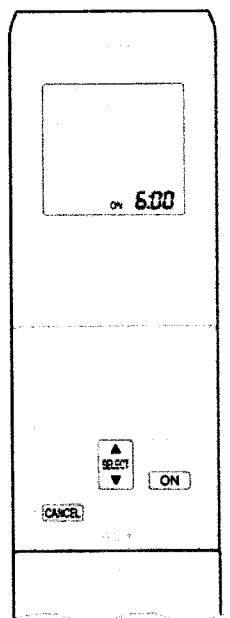
■ Notes on TIMER operation

- When 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.
- When operating the unit via the ON/OFF timer, the actual length of operation may vary from the time entered by the user. (Maximum approx 10 minutes)

■ NIGHT SET MODE

- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.5°C up in COOL, 2.0°C down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.

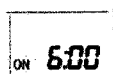
ON 6:00 ON TIMER Operation



■ To use ON TIMER operation

- Check that the clock is correct.
If not, set the clock to the present time. ▶ Page 10

1. Press **ON**.



- "6:00" is displayed on the LCD
- "ON" blinks.

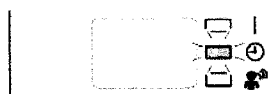
- "⌚" and day of the week disappear from the LCD.

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

- Each pressing of either button increases or decreases the time setting by 10 minutes.
Holding down either button changes the setting rapidly.

3. Press **ON** again.

- "ON" and setting time are displayed on the LCD.
- The TIMER lamp lights up.



Display

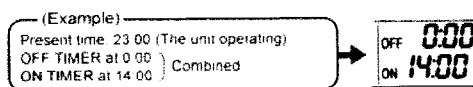
■ To cancel ON TIMER operation

Press **CANCEL**.

- "ON" and setting time disappear from the LCD.
- "⌚" and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

■ To combine ON TIMER and OFF TIMER

- A sample setting for combining the 2 timers is shown below.



NOTE

- 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

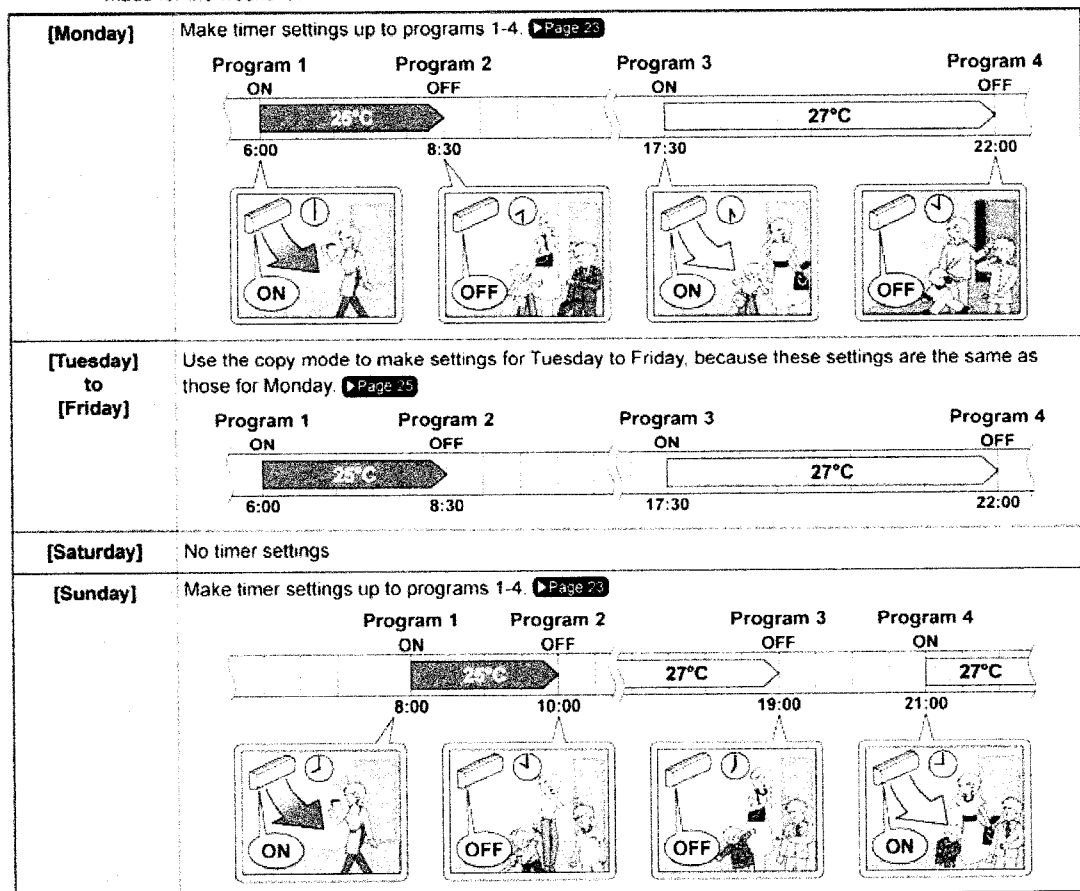


WEEKLY TIMER Operation

Up to 4 timer settings can be saved for each day of the week. It is convenient if the WEEKLY TIMER is set according to the family's life style.

■ Using in these cases of WEEKLY TIMER

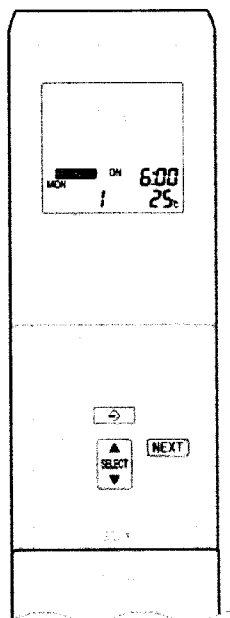
Example: The same timer settings are made for the week from Monday through Friday while different timer settings are made for the weekend.



- Up to 4 reservations per day and 28 reservations per week can be set in the WEEKLY TIMER. The effective use of the copy mode ensures ease of making reservations.
- The use of ON-ON-ON-ON settings, for example, makes it possible to schedule operating mode and set temperature changes. Furthermore, by using OFF-OFF-OFF-OFF settings, only the turn off time of each day can be set. This will turn off the air conditioner automatically if the user forgets to turn it off.



WEEKLY TIMER Operation

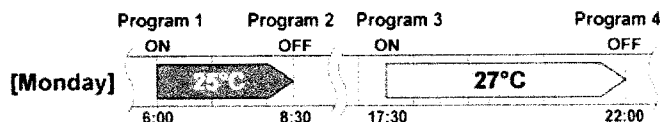


To use WEEKLY TIMER operation

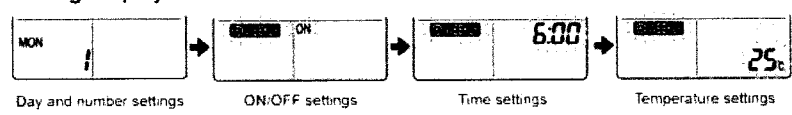
Setting mode

- Make sure the day of the week and time are set. If not, set the day of the week and time.

▶ Page 10



Setting Displays



1. Press

- The day of the week and the reservation number of the current day will be displayed.
- 1 to 4 settings can be made per day.

2. Press to select the desired day of the week and reservation number.

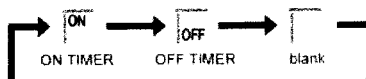
- Pressing changes the reservation number and the day of the week.

3. Press .

- The day of the week and reservation number will be set.
- " WEEKLY" and "ON" blink.

4. Press to select the desired mode.

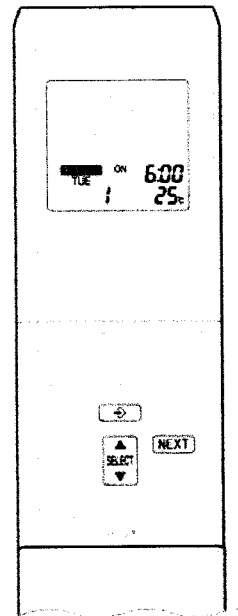
- Pressing changes "ON" or "OFF" setting in sequence.



- In case the reservation has already been set, selecting "blank" deletes the reservation.
- Go to STEP 9 if "blank" is selected.

5. Press .


- The ON/OFF TIMER mode will be set.
- " WEEKLY" and the time blink.



6. Press to select the desired time.

- The time can be set between 0:00 and 23:50 in 10 minute intervals.
- To return to the ON/OFF TIMER mode setting, press **BACK**.
- Go to **STEP 9** when setting the OFF TIMER.

7. Press **NEXT**.

- The time will be set.
-  **WEEKLY** and the temperature blink.


8. Press to select the desired temperature.

- The temperature can be set between 10°C and 32°C.
Cooling: The unit operates at 18°C even if it is set at 10 to 17°C.
Heating: The unit operates at 30°C even if it is set at 31 to 32°C.
- To return to the time setting, press **BACK**.
- The set temperature is only displayed when the mode setting is on.

9. Press **NEXT**.


- The temperature will be set and go to the next reservation setting.
- To continue further settings, repeat the procedure from **STEP 4**.

10. Press to complete the setting.

- Be sure to direct the remote controller toward the indoor unit and check for a receiving tone and flashing the operation lamp.
-  **WEEKLY** is displayed on the LCD and WEEKLY TIMER operation is activated.
- The TIMER lamp lights up.







Display

- A reservation made once can be easily copied and the same settings used for another day of the week. Refer to **Copy mode**.  **Page 25**

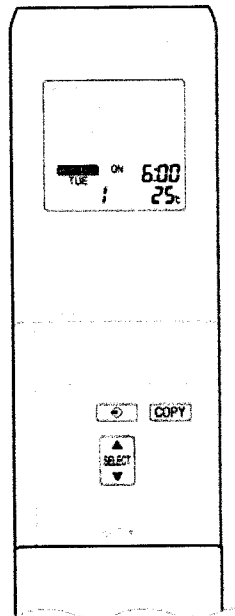
NOTE

■ Notes on WEEKLY TIMER operation

- Do not forget to set the clock on the remote controller first.  **Page 16**
- The day of the week, ON/OFF TIMER mode, time and set temperature (only for ON TIMER mode) can be set with WEEKLY TIMER. Other settings for ON TIMER are based on the settings just before the operation.
- Both WEEKLY TIMER and ON/OFF TIMER operation cannot be used at the same time. The ON/OFF TIMER operation has priority if it is set while WEEKLY TIMER is still active. The WEEKLY TIMER will go into standby state and  **WEEKLY** will disappear from the LCD. When ON/OFF TIMER is up, the WEEKLY TIMER will automatically become active.
- Only the time and set temperature set with the WEEKLY TIMER are sent with the  Set the WEEKLY TIMER only after setting the operation mode, the airflow rate and the airflow direction ahead of time.
- Shutting the breaker off, power failure, and other similar events will render operation of the indoor unit's internal clock inaccurate. Reset the clock.  **Page 16**
- The **BACK** can be used only for the time and temperature settings. It cannot be used to go back to the reservation number.

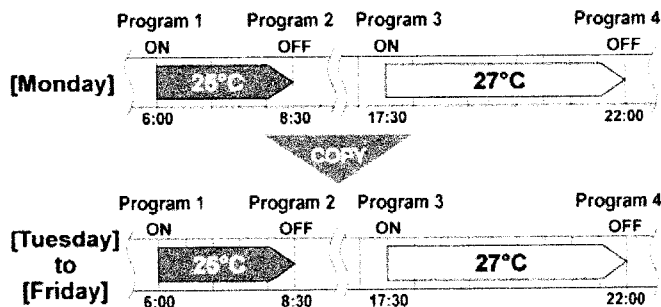


WEEKLY TIMER Operation

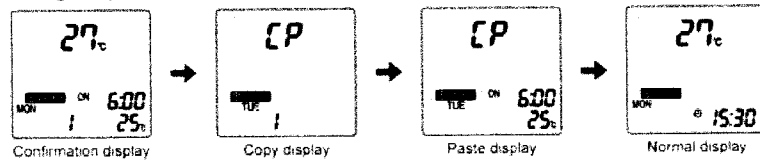


Copy mode

- A reservation made once can be copied to another day of the week. The whole reservation of the selected day of the week will be copied.



Setting Displays



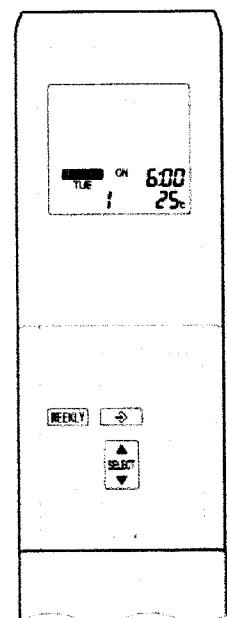
- Press .
- Press to confirm the day of the week to be copied.
- Press **COPY**.
 - The whole reservation of the selected day of the week will be copied.
- Press to select the destination day of the week.
- Press **COPY**.
 - The reservation will be copied to the selected day of the week. The whole reservation of the selected day of the week will be copied.
 - To continue copying the settings to other days of the week, repeat **STEP 4** and **STEP 5**.
- Press to complete the setting.

- " WEEKLY" is displayed on the LCD and WEEKLY TIMER operation is activated.

NOTE

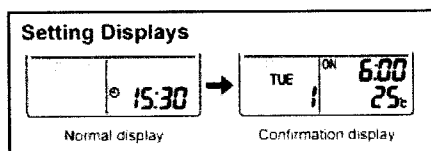
■ Note on COPY MODE

- The entire reservation of the source day of the week is copied in the copy mode.
- In the case of making a reservation change for any day of the week individually after copying the content of weekly reservations, press and change the settings in the steps of **Setting mode**. [▶ Page 23](#)



■ Confirming a reservation



- The reservation can be confirmed.



1. Press .

- The day of the week and the reservation number of the current day will be displayed.

2. Press to select the day of the week and the reservation number to be confirmed.

- Pressing  displays the reservation details.
- To change the confirmed reserved settings, select the reservation number and press **NEXT**.
The mode is switched to setting mode. Go to **Setting mode** STEP 4. 

3. Press to exit confirming mode.

- "⌚ WEEKLY" is displayed on the LCD and WEEKLY TIMER operation is activated.
- The TIMER lamp lights up.



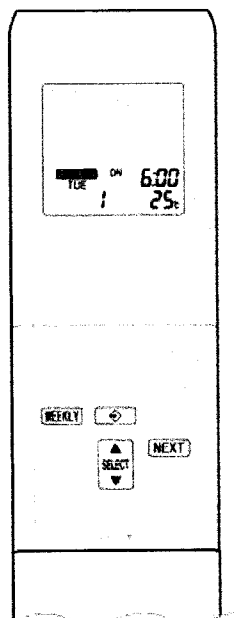
■ To deactivate WEEKLY TIMER operation

Press **WEEKLY** while "⌚ WEEKLY" is displayed on the LCD.

- The "⌚ WEEKLY" will disappear from the LCD.
- The TIMER lamp goes off.
- To reactivate the WEEKLY TIMER operation, press **WEEKLY** again.
- If a reservation deactivated with **WEEKLY** is activated once again, the last reservation mode will be used.



WEEKLY TIMER Operation



To delete reservations

The individual reservation

1. Press .
 - The day of the week and the reservation number will be displayed.
 2. Press to select the day of the week and the reservation number to be deleted.
 3. Press **NEXT**.
 - "WEEKLY" and "ON" or "OFF" blink.
 4. Press and select "blank".
 - Pressing changes ON/OFF TIMER mode.
 - The reservation will be no setting with selecting "blank".
- ```

graph LR
 A[ON
ON TIMER] --> B[OFF
OFF TIMER]
 B --> C[blank]

```
5. Press **NEXT**.
    - The selected reservation will be deleted.
  6. Press .
    - If there are still other reservations, WEEKLY TIMER operation will be activated.

### The reservations for each day of the week

- This function can be used for deleting reservations for each day of the week.
  - It can be used while confirming or setting reservations.
1. Press to select the day of the week to be deleted.
  2. Hold **WEEKLY** for 5 seconds.
    - The reservation of the selected day of the week will be deleted.

### All reservations

Hold **WEEKLY** for 5 seconds while normal display.

- Be sure to direct the remote controller toward the indoor unit and check for a receiving tone.
- This operation is not effective while WEEKLY TIMER is being set.
- All reservations will be deleted.

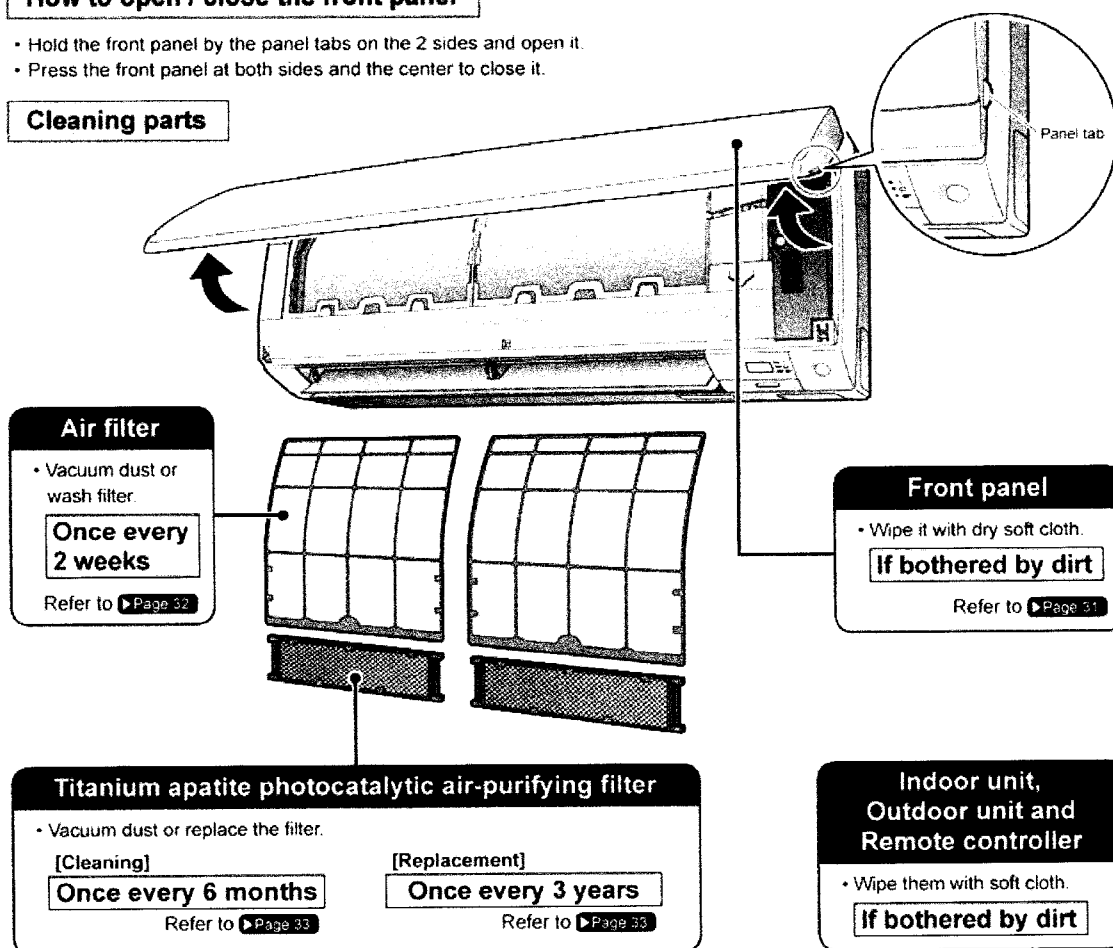
# Care and Cleaning

## ■ Quick reference

### How to open / close the front panel

- Hold the front panel by the panel tabs on the 2 sides and open it.
- Press the front panel at both sides and the center to close it.

### Cleaning parts



### Notes on cleaning

#### ■ For cleaning, do not use the materials as follows.

- Hot water above 40°C
- Benzine, gasoline, thinner, other volatile oils
- Polishing compound
- Scrubbing brushes, other hard stuff



### ⚠ CAUTION

- Before cleaning, be sure to stop the operation and turn the breaker off
- Do not touch the metal parts of the indoor unit. If you touch those parts, this may cause an injury.

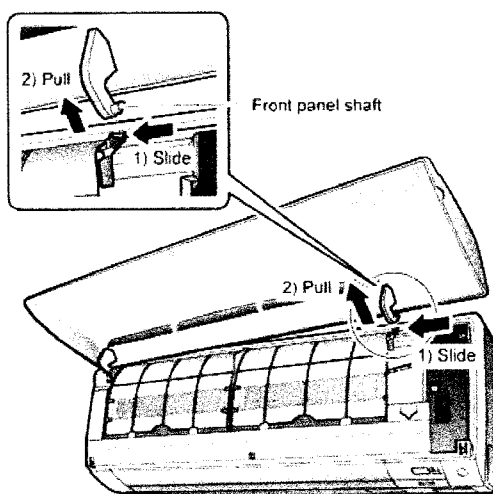


# Care and Cleaning

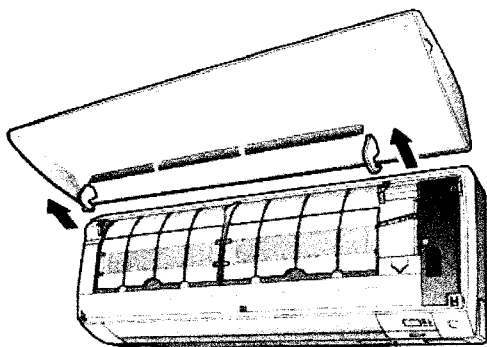
## ■ Front panel

### 1. Remove the front panel.

- Open the front panel.
- Slide the front panel to either the left or right and pulling it toward you. This will disconnect the rotation dowel on one side.



- Disconnect the front panel shaft on the other side in the same manner.

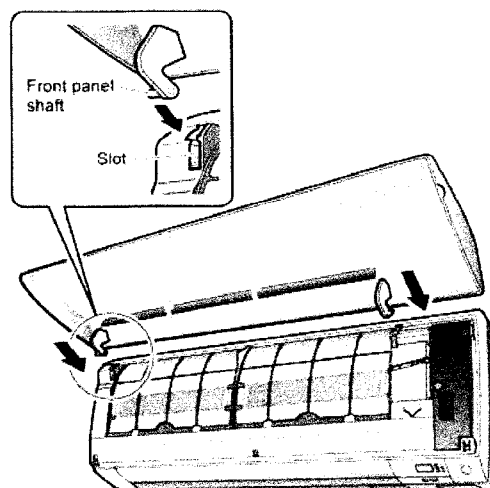


### 2. Clean the front panel.

- Wipe it with a soft cloth soaked in water.
- Only neutral detergent may be used.
- In case of washing the panel with water, wipe it with dry soft cloth, dry it up in the shade after washing.

### 3. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.



- Close the front panel slowly. (Press the panel at both sides and the center.)

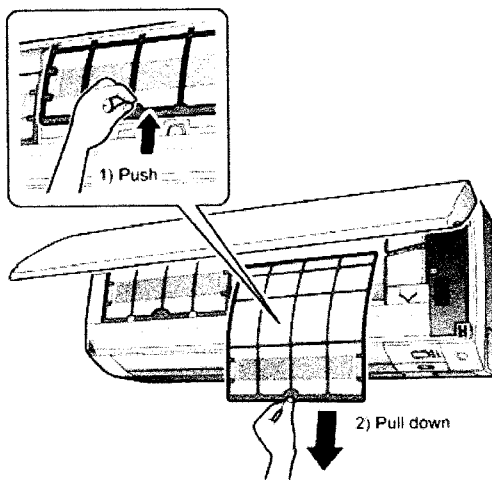
## ⚠ CAUTION

- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- After cleaning, make sure that the front panel is securely fixed.

## ■ Air filter

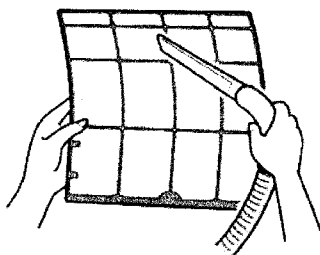
### 1. Pull out the air filters.

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



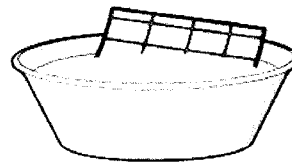
### 2. Wash the air filters with water or clean them with vacuum cleaner.

- It is recommended to clean the air filters every 2 weeks.

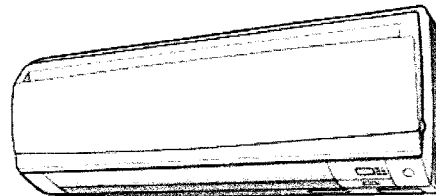


#### If the dust does not come off easily

- Wash the air filters with neutral detergent thinned with lukewarm water, then dry them up in the shade.
- Be sure to remove the titanium apatite photocatalytic air-purifying filter. Refer to "Titanium apatite photocatalytic air-purifying filter" on the next page.



### 3. Set the filters as they were and close the front panel.



#### ⚠ CAUTION

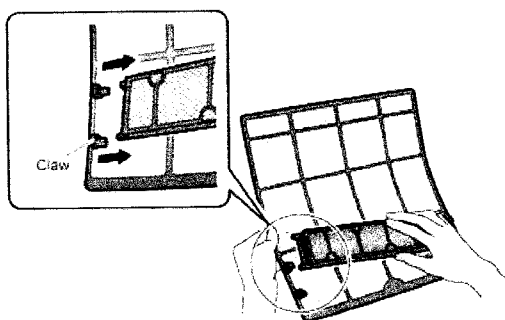
- Do not touch the aluminum fins by bare hand at the time of dismantling or mounting the filter

# Care and Cleaning

## ■ Titanium apatite photocatalytic air-purifying filter

### 1. Take off the titanium apatite photocatalytic air-purifying filter.

- Open the front panel and pull out the air filters.
- Hold the recessed parts of the frame and unhook the 4 claws.

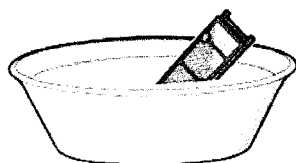


### 2. Clean or replace the titanium apatite photocatalytic air-purifying filter.

#### [Maintenance]

#### 2-1 Vacuum dusts, and soak in lukewarm water or water for about 10 to 15 minutes if dirt is heavy.

- Do not remove the filter from frame when washing with water.

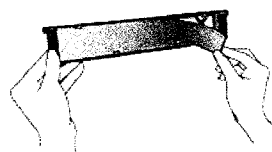


#### 2-2 After washing, shake off remaining water and dry in the shade.

- Since the material is made out of polyester, do not wring out the filter when removing water from it.

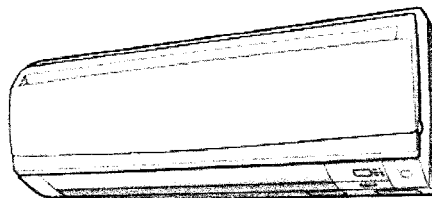
#### [Replacement]

Remove the tabs on the filter frame and replace with a new filter.



- Do not throw away the filter frame. Reuse the filter frame when replacing the titanium apatite photocatalytic air-purifying filter.
- Dispose of the old filter as non-flammable waste.

### 3. Set the filters as they were and close the front panel.



#### NOTE

- Operation with dirty filters:
  - cannot deodorize the air.
  - cannot clean the air.
  - results in poor heating or cooling.
  - may cause odour.
- Dispose of old filters as non-flammable waste.
- To order titanium apatite photocatalytic air-purifying filter contact to the service shop there you bought the air conditioner.

|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| Item     | Titanium apatite photocatalytic air-purifying filter (without frame) 1 set |
| Part No. | KAF970A46                                                                  |

### ■ Check the units

- Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
- 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 only" for several hours on a fine day to dry out the inside.**

- Press **MODE** and select "FAN" operation.
- Press **ON/OFF** and start operation

#### **2. After operation stops, turn off the breaker for the room air conditioner.**

#### **3. Clean the air filters and set them again.**

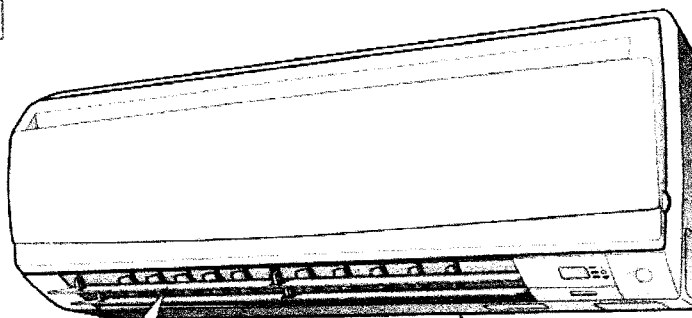
#### **4. Take out batteries from the remote controller.**

# Troubleshooting

## ■ These cases are not troubles.

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

### Indoor unit



#### The flaps does not start swing immediately.

- The air conditioner is adjusting the flap position. The flap will start moving soon.

#### 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 4 to 12 minutes.

#### Operation does not start soon.

##### ■ When ON/OFF button was pressed soon after operation was stopped.

##### ■ When the mode was reselected.

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

#### A sound is heard.

##### ■ A sound like a flow of water

- This sound is generated because the refrigerant in the air conditioner is flowing.
- This is a pumping sound of the water in the air conditioner and heard when the water is pumped out from the air conditioner in cooling or drying operation.
- The refrigerant flows in the air conditioner even if the air conditioner is not working when the indoor units in other rooms are in operation.

##### ■ Blowing sound

- This sound is generated when the flow of the refrigerant in the air conditioner is switched over.

##### ■ Pinging sound

- This sound is generated when the size of the air conditioner slightly expands or shrinks as a result of temperature changes.

### Outdoor unit

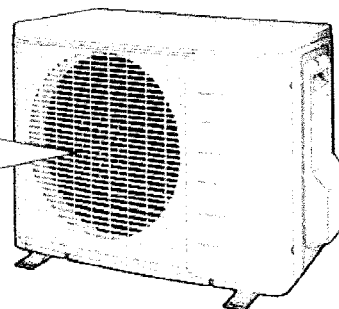
#### The outdoor unit emits water or steam.

##### ■ 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.



- Troubleshooting measures are classified into the following two types on a remedial basis.  
Take an appropriate measure according to the symptom.



### Not trouble

- These cases are not troubles.



### Check

- Please check again before calling a repair person.

#### The air conditioner does not operate. (OPERATION lamp is off.)

- Hasn't a breaker turned off or a fuse blown?
- Isn't it a power failure?
- Are batteries set in the remote controller?
- Is the timer setting correct?



#### Operation stopped suddenly. (OPERATION lamp flashes.)

- Are the air filters clean?
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Clean the air filters or take all obstacles away and turn the breaker off. Then turn it on again and try operating the air conditioner with the remote controller. If the lamp still flashes, call the service shop where you bought the air conditioner.



#### 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.)



#### 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.



#### Mist comes out of the indoor unit.

- This happens when the air in the room is cooled into mist by the cold airflow during COOL operation.
- This is because the air in the room is cooled by the heat exchanger and becomes mist during defrost operation.



# Troubleshooting

## Cooling (Heating) effect is poor.

- Are the air filters clean?
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Is the temperature setting appropriate?
- Are the windows and doors closed?
- Are the airflow rate and the airflow direction set appropriately?



## The ON/OFF TIMER does not operate according to the settings.

- Check if the ON/OFF TIMER and the WEEKLY TIMER are set to the same time. Change or deactivate the settings in the WEEKLY TIMER. ▶Page 22



## Remote controller does not work properly.

- No remote controller signals are displayed.
- The remote controller sensitivity is low.
- The display is low in contrast or blacked out.
- The display runs out of control.
- The batteries are dying and the remote controller is malfunctioning. Replace all the batteries with new, size AAA.LR03 (alkaline). For details, refer to "To set the batteries" of this manual. ▶Page 9



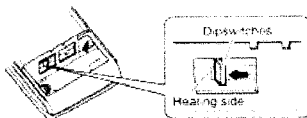
## The indoor unit gives out odour.

- This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the airflow.  
(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.)



## Heating cannot be selected, even though the unit is heat pump model.

- Slide the DIP switch to the left as shown in the illustration so that the heating mode can be selected with the mode selector button.



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

- After operation is stopped
  - The outdoor fan continues rotating for another 60 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.



## An abnormal functioning happens during operation.

- The air conditioner may malfunction with lightning or radio waves. Turn the breaker off, turn it on again and try operating the air conditioner with the remote controller.



## ■ 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 3 minutes. You should just wait for a while.

#### ■ Lightning

- If lightning may strike the neighbouring area, stop operation and turn the breaker off for system protection.

## ■ Disposal requirements

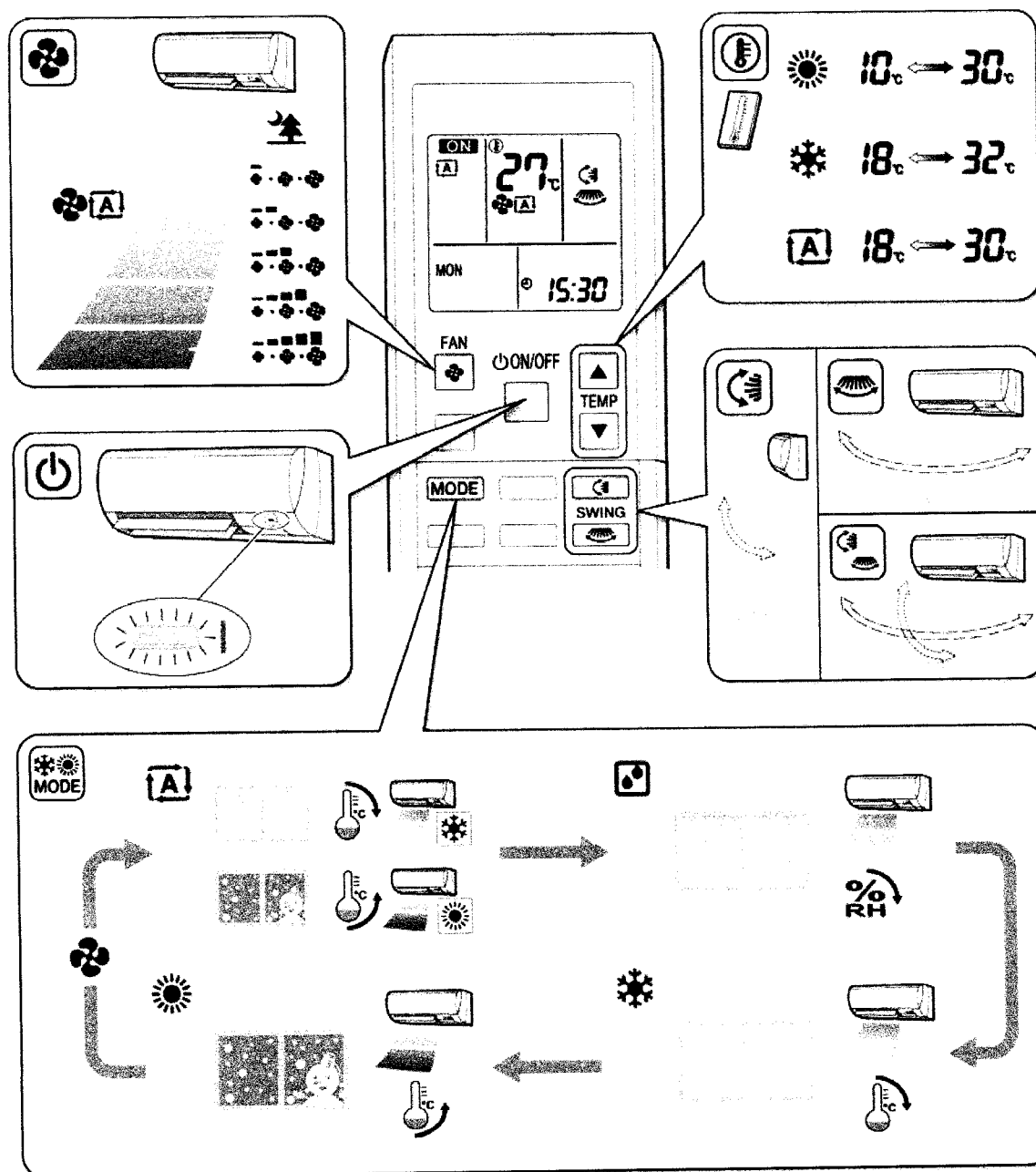
- Dismantling of the unit, treatment of the refrigerant, oil and eventual other parts, should be done in accordance with the relevant local and national regulations.

## ■ 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.



# Quick Reference



3P248412-1