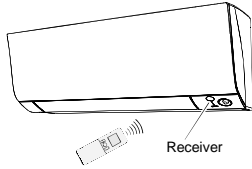


## Remote Controller

### Signal transmitter



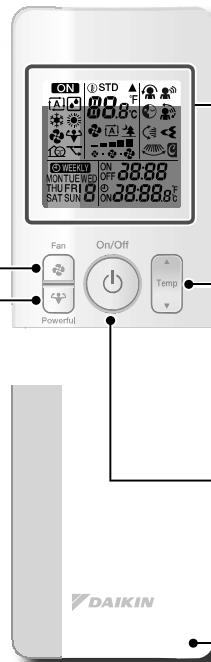
- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is approx.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

### FAN setting button

- It selects the airflow rate setting. ▶ Page 15

### POWERFUL button

- POWERFUL operation. ▶ Page 19



### Display (LCD)

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

### TEMPERATURE adjustment buttons

- It changes the temperature setting. ▶ Page 13

### ON/OFF button

- Press this button once to start operation. Press once again to stop it. ▶ Page 12

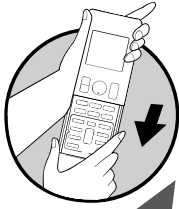
### Front cover

- Open the front cover. ▶ Page 9

Model ARC466A33

# Name of Parts

## ■ Open the front cover



### MODE selector button

- It selects the operation mode. (AUTO/DRY/COOL/HEAT/FAN) ▶Page 12

### ECONO/QUIET button

- ECONO/OUTDOOR UNIT QUIET operation. ▶Page 20

### FLASH STREAMER AIR PURIFYING button

- Performs streamer discharge. ▶Page 22

### SWING button

- Adjusting the airflow direction. ▶Page 14

### COMFORT/SENSOR button

- COMFORT AIRFLOW and INTELLIGENT EYE operation. ▶Page 16

### OFF TIMER button

▶Page 23

### TIMER CANCEL button

- It cancels the timer setting. ▶Page 23,24
- It cannot be used for the WEEKLY TIMER operation.

### Weekly

◀▶ : WEEKLY button

⬇️ : PROGRAM button

Copy : COPY button

Back : BACK button

Next : NEXT button

- WEEKLY TIMER operation. ▶Page 25

### ON TIMER button

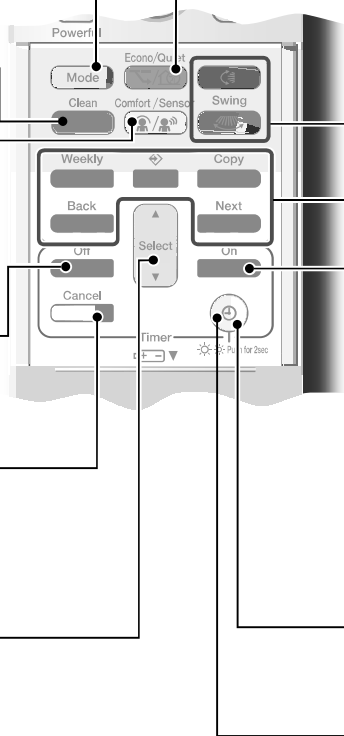
▶Page 24

### CLOCK button

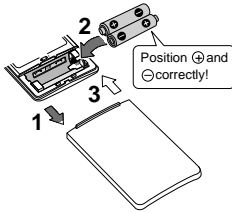
▶Page 11

### Lamp brightness setting button

▶Page 10

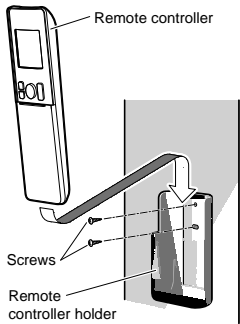


# Preparation before Operation



## ■ To set the batteries

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

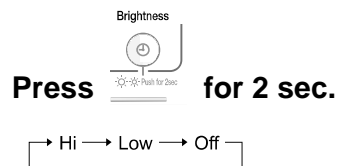


## ■ To fix the remote controller holder on the wall

1. Choose a place from where the signals reach the unit.
2. Fix the holder to a wall, a pillar, or similar location with the screws procured locally.
3. Place the remote controller in the remote controller holder.

## ■ To set the luminance of the display

- The luminance of the indoor unit display can be set.



## NOTE

### ■ Notes on batteries

- When replacing the batteries, use batteries of the same type, and replace both 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 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.

# Preparation before Operation



## ■ Turn the breaker on


- After the power is turned on, the flaps of the indoor unit opens and closes once to set the reference position.

## ■ To set the clock

1. Press .




- "0:00" is displayed on the LCD.
- "MON" and "⏻" blink.

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 ▼ rapidly increases or decreases the time display.

5. Press .

- Point the remote controller at the indoor unit when pressing the buttons.



- ":" blinks.

## NOTE

### ■ Note on setting the clock

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



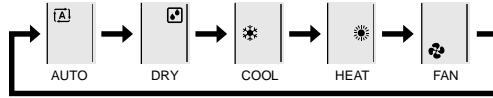
# AUTO · DRY · COOL · HEAT · FAN Operation

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

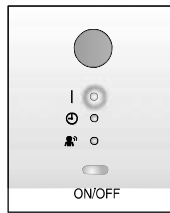
### 1. Press **Mode** and select an operation mode.

- 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 green.



Display

## ■ 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"> <li>• 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.</li> <li>• The heat pump system heats the room by circulating hot air around all parts of the room. After the start of HEAT operation, it takes some time before the room gets warmer.</li> <li>• In HEAT 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.</li> <li>• During defrosting operation, hot air does not flow out of indoor unit.</li> </ul>
COOL	<ul style="list-style-type: none"> <li>• This air conditioner cools the room by releasing the heat in the room outside. Therefore, the cooling performance of the air conditioner may be degraded if the outdoor temperature is high</li> </ul>
DRY	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
AUTO	<ul style="list-style-type: none"> <li>• In AUTO operation, the system selects an appropriate operation mode (COOL or HEAT) based on the room and outside temperatures and starts the operation.</li> <li>• The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.</li> </ul>
FAN	<ul style="list-style-type: none"> <li>• This mode is valid for fan only.</li> </ul>



# AUTO · DRY · COOL · HEAT · FAN Operation

## ■ To change the temperature setting



Press  .

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

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

## ■ Operating conditions

### ■ Recommended temperature setting

- For cooling: 26-28°C
- For heating: 20-24°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 a small amount 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 : -10-46°C Indoor temperature : 18-32°C Indoor humidity : 80% max.	• A safety device may work to stop the operation. • Condensation may occur on the indoor unit and drip.
HEAT	Outdoor temperature : -15-24°C (R.H.=55.4%) Indoor temperature : 10-30°C	• A safety device may work to stop the operation.
DRY	Outdoor temperature : -10-46°C Indoor temperature : 18-32°C Indoor humidity : 80% max.	• 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.

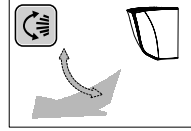


## ■ To start auto swing

### Upper and lower airflow direction

Press .

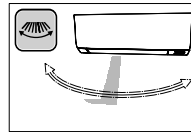
- "☰" is displayed on the LCD.
- The flaps (horizontal blades) will begin to swing.



### Right and left airflow direction



Press .

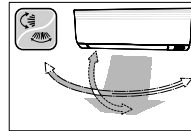
- "☷" is displayed on the LCD.
- The louvers (vertical blades) will begin to swing.



### 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

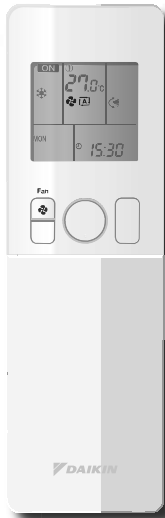
- This function is effective while flaps or louvers are in auto swing mode.

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.




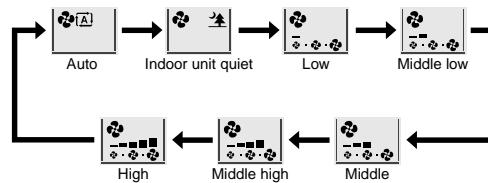
# Adjusting the Airflow Direction and Rate




## ■ 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.
- If the temperature does not reach the desired point, change the airflow rate setting.
- In DRY mode, the airflow rate setting is not variable.

## NOTE

### Notes on airflow direction setting

- The movable range of the flap varies according to the operation mode.
- The flap will stop at the upper position when the airflow rate is changed to low during the up and down swing setting.

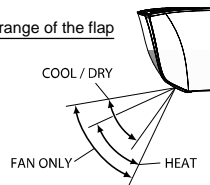
### Notes on airflow direction setting

- 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.

### Notes on airflow rate setting

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

### Movable range of the flap



## CAUTION

- Always use a remote controller to adjust the angles of the flaps and louvers. If you attempt to move the flaps and louvers forcibly with hand when they are 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.

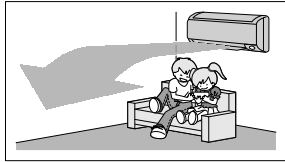




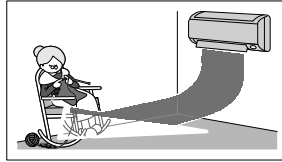
# COMFORT AIRFLOW / INTELLIGENT EYE Operation

## 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



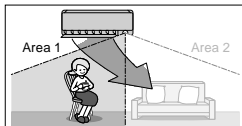
HEAT operation

## INTELLIGENT EYE operation

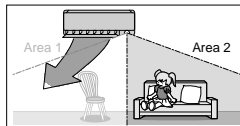
"INTELLIGENT EYE" is the infrared sensor which detects the human movement. If no one is in the room for more than 20 minutes, the operation automatically changes to energy saving operation.

The INTELLIGENT EYE sensor according to the following situations.

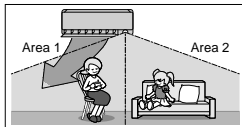
### A person is detected in area 1.



### A person is detected in area 2.

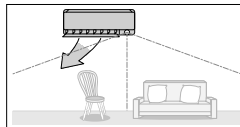


### People are detected in both areas.



Use the INTELLIGENT EYE operation in combination with the COMFORT AIRFLOW operation.

### No people are detected in the areas.



The air conditioner will go into energy-saving mode after 20 minutes.

\*The wind direction may differ from the illustrated direction depending on the actions and movements of the people in the areas.

## 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  $-2^{\circ}\text{C}$  in HEAT /  $+2^{\circ}\text{C}$  in COOL /  $+2^{\circ}\text{C}$  in DRY operation from set temperature. When the room temperature exceeds  $30^{\circ}\text{C}$ , the operation changes the temperature  $+1^{\circ}\text{C}$  in COOL /  $+1^{\circ}\text{C}$  in DRY operation from set temperature.
- This operation decreases the airflow rate slightly in FAN operation only.

## Combination COMFORT AIRFLOW and INTELLIGENT EYE operation

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



# COMFORT AIRFLOW / INTELLIGENT EYE Operation

## ■ To start operation



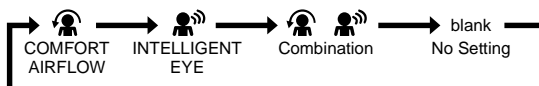
Press **Comfort / Sensor** and select the desired mode.

- Each time the **Comfort / Sensor** is pressed a different setting option is displayed on the LCD.
- The INTELLIGENT EYE lamp lights green.



Display

- By selecting "COMFORT AIRFLOW", "INTELLIGENT EYE", or "Combination" 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.
- The lamp will be lit while human movements are detected.

## ■ To cancel operation

Press **Comfort / Sensor** and select "blank" on the LCD.

- The INTELLIGENT EYE lamp goes off.

Display	Operation mode	Explanation
	COMFORT AIRFLOW	The flaps will adjust the airflow direction upward while cooling, and adjust the airflow direction downward while heating. <a href="#">▶Page 16</a>
	INTELLIGENT EYE	The sensors will detect the movement of people in the sensing areas and the louvers will adjust the airflow direction to an area where people are not present. When there are no people in the sensing areas, the air conditioner will go into energy-saving mode. <a href="#">▶Page 16</a>
	COMFORT AIRFLOW and INTELLIGENT EYE	The air conditioner will be in COMFORT AIRFLOW operation combined with INTELLIGENT EYE operation. <a href="#">▶Page 16</a>
Blank	No function	-

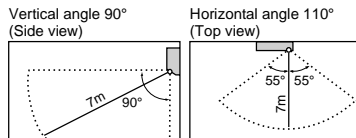
## NOTE

### ■ Notes on COMFORT AIRFLOW operation

- The flaps 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 operation will be canceled.

### ■ Notes on INTELLIGENT EYE operation

- Application range is as follows.



- While the air conditioner is in INTELLIGENT EYE operation, the louvers will adjust the airflow direction if there are people in the sensing areas of the INTELLIGENT EYE so that the leftward or rightward airflow will not be directed to the people. If no people are detected in either area 1 or 2 in 20 minutes, the air conditioner will go into energy-saving mode with the set temperature shifted by 2°C. The air conditioner may go into energy-saving operation even if there are people in the areas. This may occur depending on the clothes the people are wearing if there are no movements of the people in the areas.
- The airflow direction from the louvers will be leftward if there are people in both areas 1 and 2 or if there is a person right in front of the sensors because the sensors on the both sides will detect the person.
- Due to the position of the sensor, people might be exposed to the airflow of the indoor unit if they are close to the front side of the indoor unit. If there are people close to the front side of the indoor unit or in both areas, it is recommended to use the COMFORT AIRFLOW and INTELLIGENT EYE operations simultaneously. When both of them are in use, the air conditioner will not direct the airflow towards the people.
- 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 23) will not go on during use of INTELLIGENT EYE operation.

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

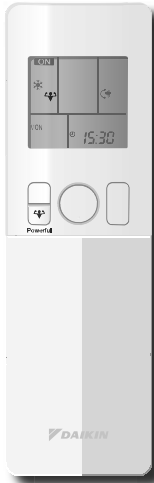
- The airflow rate will be set to AUTO. If the upper and lower airflow direction is selected, the COMFORT AIRFLOW operation will be canceled. Priority is given to the function of whichever button is pressed last.
- The flaps adjust the airflow direction upward (while in COOL operation) and downward (while in HEAT operation), during which the sensors of the INTELLIGENT EYE are working to detect the movement of people. When the sensors detect people, the louvers will direct the airflow in such way that it will not be blown directly on them. If there are no people, the air conditioner will go into energy-saving operation after 20 minutes.

## ⚠ 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 maximises the cooling (heating) effect in any operation modes. You can get the maximum capacity.


## ■ To start POWERFUL operation

Press  during operation.

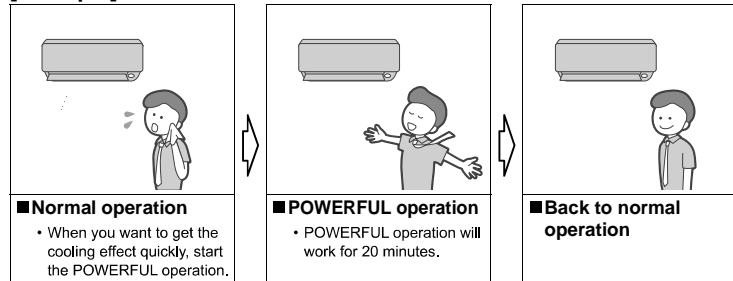
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.
- “” is displayed on the LCD.

## ■ 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 “” 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 operation**  
To maximize the cooling (heating) effect, the capacity of outdoor unit is increased and the airflow rate is fixed to the maximum setting. The temperature and airflow settings are not variable.
- **In DRY operation**  
The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
- **In FAN operation**  
The airflow rate is fixed to the maximum setting.
- **In AUTO operation**  
To maximize the cooling (heating) effect, the capacity of outdoor unit is increased and the airflow rate is fixed to the maximum setting.



# ECONO/OUTDOOR UNIT QUIET Operation

## ■ 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.

### [Example]

#### Normal operation



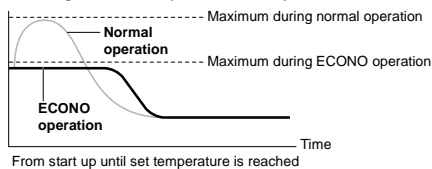
- In case the air conditioner and other appliances which require high power consumption are used at same time, a circuit breaker may trip if the air conditioner operate with its maximum capacity.

#### 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

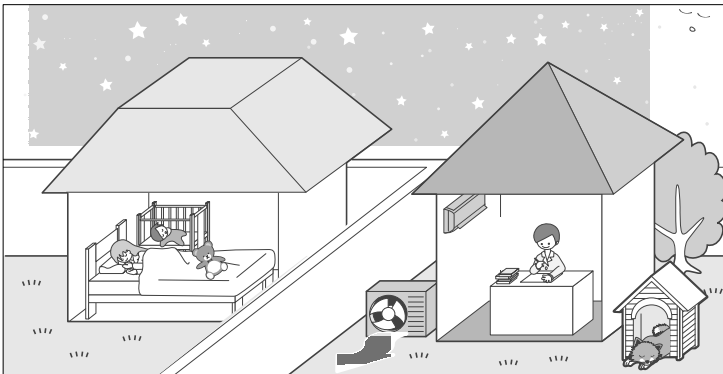


- This diagram is a representation for illustrative purposes only. The maximum running current and power consumption of the air conditioner in ECONO operation vary with the connecting outdoor unit.

## ■ 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.

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



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




# ECONO/OUTDOOR UNIT QUIET Operation

## ■ To start operation



Press  and select the desired mode.

- Each time the  is pressed a different setting option is displayed on the LCD.





## ■ To cancel operation


Press  and select “blank” on the LCD.

### NOTE

#### ■ Notes on ECONO operation

- ECONO operation can only be set when the unit is running. Pressing  causes the settings to be canceled, and “” 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 operation.
- 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.

#### ■ Notes on OUTDOOR UNIT QUIET operation

- This function is available in COOL, HEAT, and AUTO operation. This is not available in FAN and DRY operation.
- 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 by using the remote controller or the indoor 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.




# FLASH STREAMER AIR PURIFYING Operation



The absorption power of the Titanium apatite photocatalytic air-purifying filter and air supply filter and the resolving power of the streamer discharge reduce bad odors and viruses, cleaning the room air.


## ■ To start operation

Press .

- “” is displayed on the LCD.
- \* The air in the room is being cleaned.

## ■ To stop operation

Press .

- “” disappears from the LCD.
- \* The streamer will stop operating.

## ■ What is streamer discharge?

- It generates high-speed electron with high oxidizing power in the unit to resolve odor and harmful gas. (It is safe because the high-speed electron is generated and goes away inside the unit.)
- The streamer discharge fizzes, but this is not a malfunction.

## NOTE

### ■ FLASH STREAMER AIR PURIFYING operation

- The streamer discharge energy and Titanium apatite photocatalytic air-purifying filter clean the air in the room.
- When the airflow becomes weak during operation, the streamer discharge may stop temporarily to prevent a small amount of ozone smell coming from the air outlet.