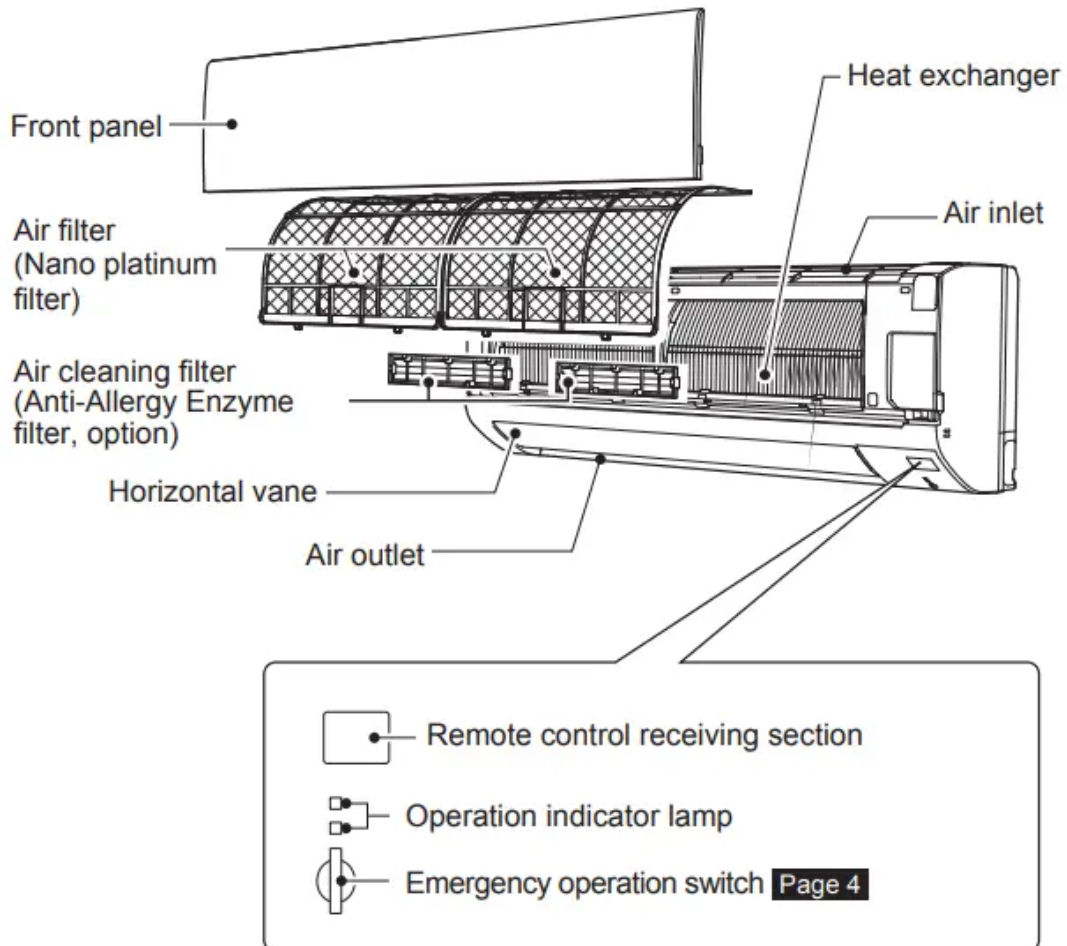


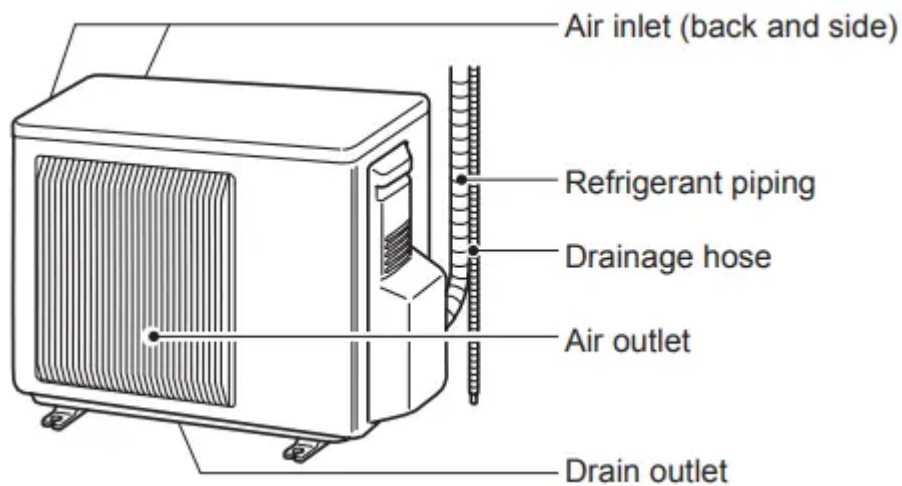
## NAME OF EACH PART

### Indoor unit

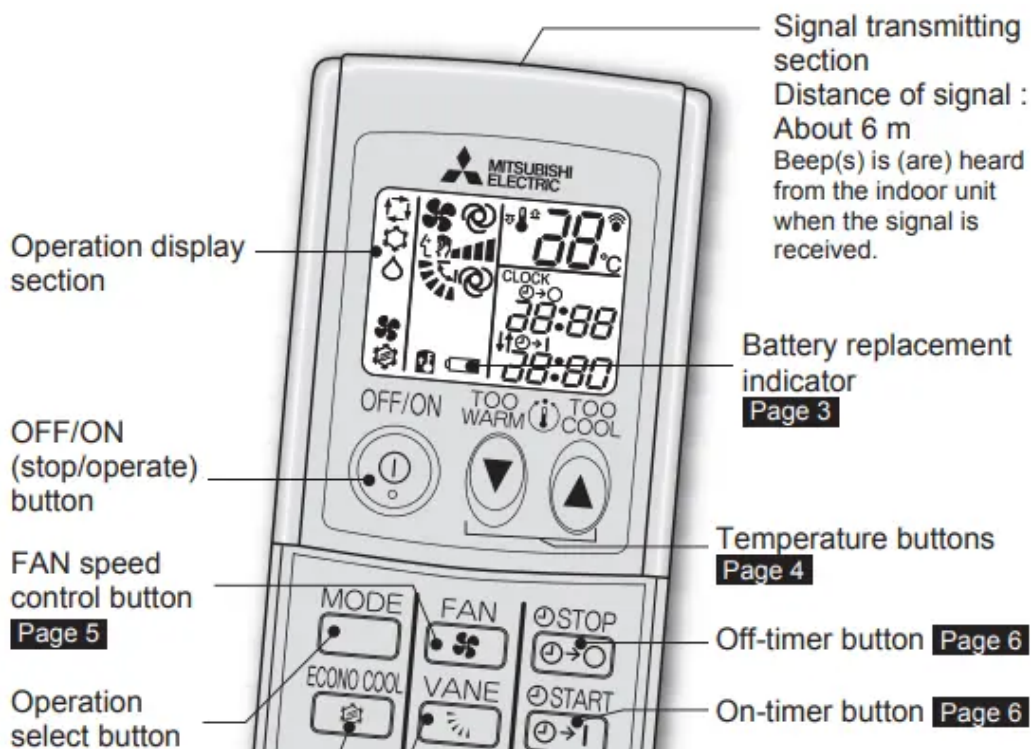


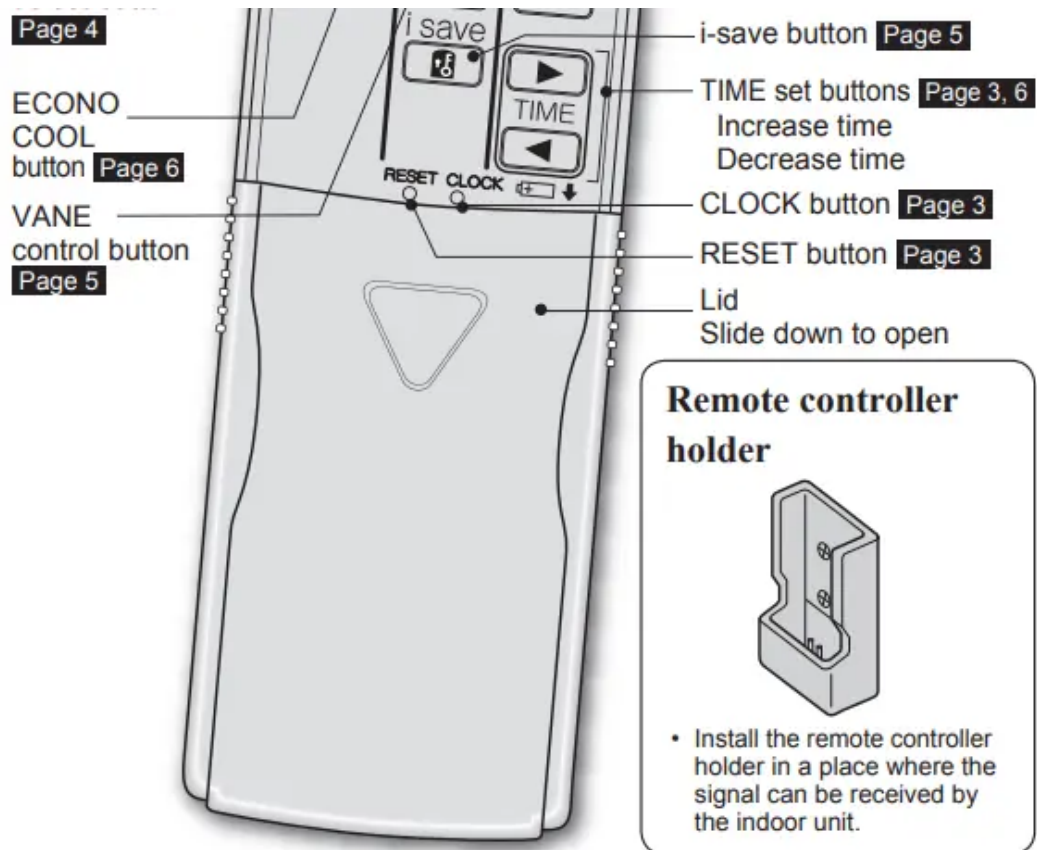
### Outdoor unit

Outdoor units may be different in appearance



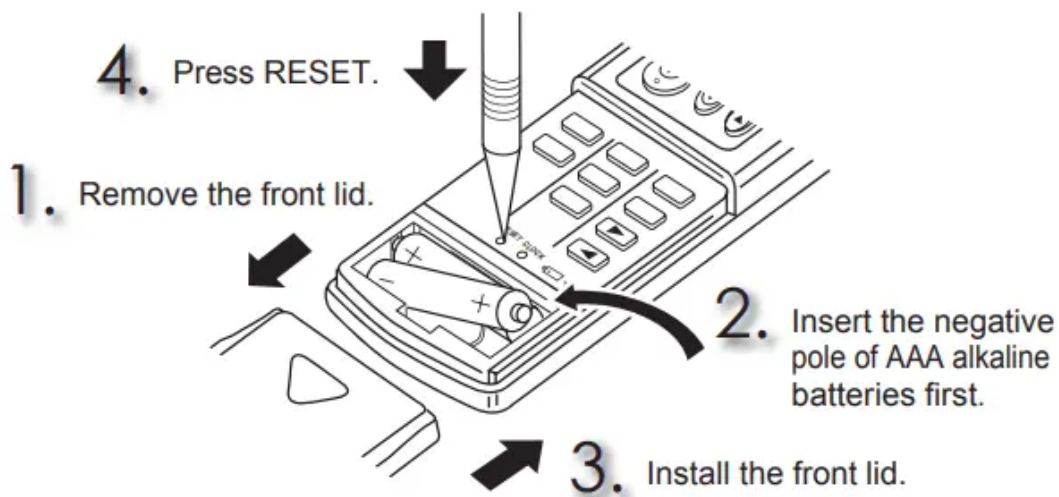
## Remote controller





## PREPARATION BEFORE OPERATION

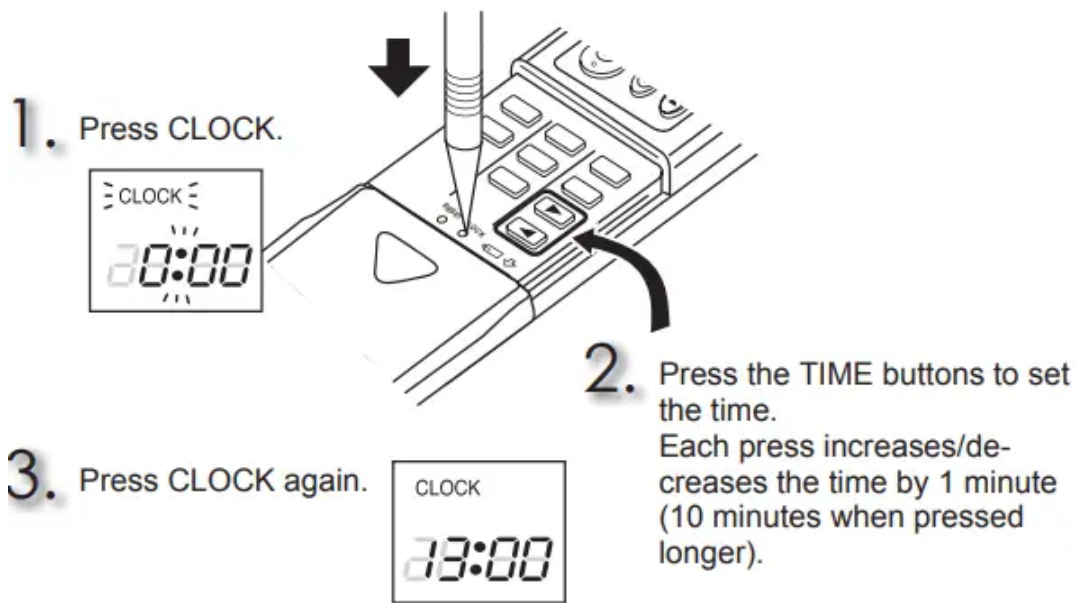
### Installing the remote controller batteries



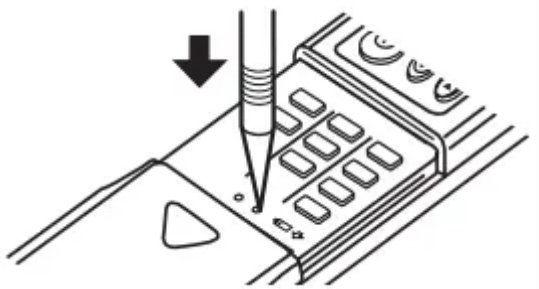
- Make sure the polarity of the batteries is correct.
- Do not use manganese batteries and leaking batteries. The remote controller could malfunction.
- Do not use rechargeable batteries.

- The battery replacement indicator lights up when the battery is running low. In about 7 days after the indicator starts lights up, the remote controller stops working.
- Replace all batteries with new ones of the same type.
- Batteries can be used for approximately 1 year. However, batteries with expired shelf lives last shorter.
- Press RESET gently using a thin instrument. If the RESET button is not pressed, the remote controller may not operate correctly.

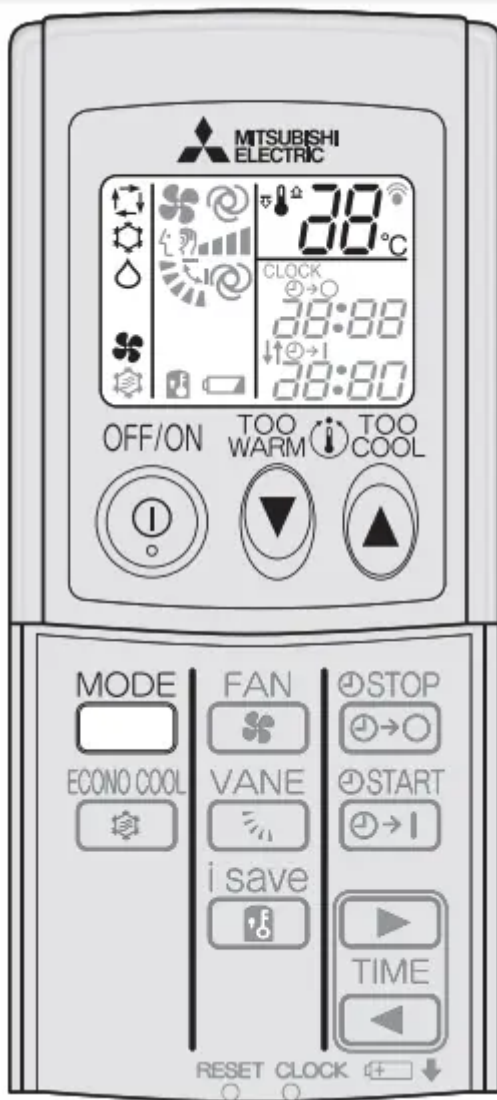
### Setting current time



- Press CLOCK gently using a thin instrument.




# SELECTING OPERATION MODES




OFF/ON

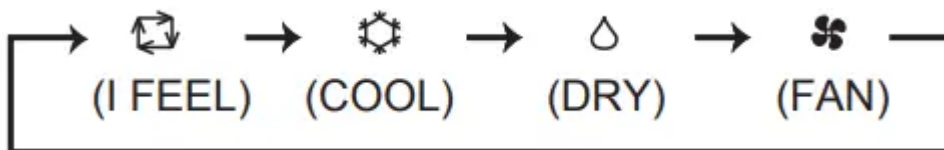




1. Press  to start the operation.

MODE




2. Press  to select operation mode. Each press changes mode in the following order:





3. Press  or  to set the temperature. Each press raises or lowers the temperature by 1°C.

Press  to stop the operation.

- The same setting is selected the next time by simply pressing .

### Operation indicator lamp

The operation indicator lamp shows the operation state of the unit

Indication	Operation state	Room temperature
	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature



Lit



Not lit



### I FEEL mode

The unit selects the operation mode according to the room temperature when I FEEL is selected. When the room temperature is higher than 25°C, COOL is selected (set temperature: 24°C). When the room temperature is lower than 25°C, DRY is selected. However, when operation is stopped and then started within 2 hours, the mode which has been selected previously is operated.



### COOL mode

Enjoy cool air at your desired temperature.



### DRY mode

Dehumidify your room. The room may be cooled slightly. Temperature cannot be set during DRY mode.



### FAN mode

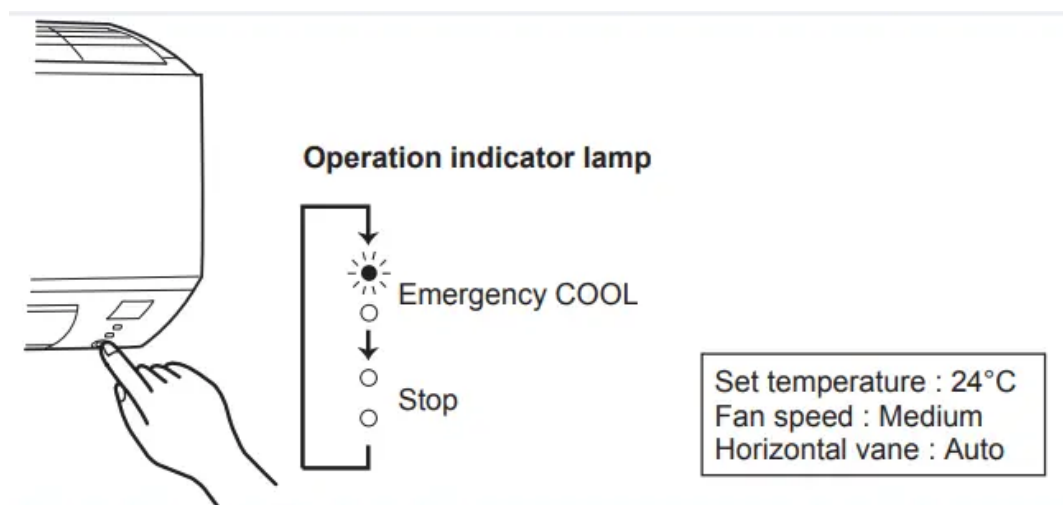
Circulate the air in your room.

## Emergency operation

### When the remote controller cannot be used...

Emergency operation can be activated by pressing the emergency operation switch (E.O.SW) on the indoor unit.

Each time the E.O.SW is pressed, the operation changes in the following order:

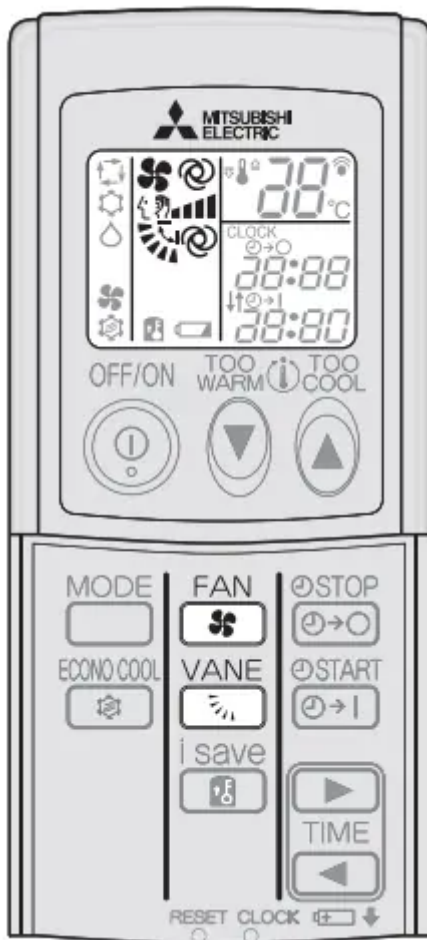


## Auto restart function

If a power failure occurs or the main power is turned off during operation, "Auto restart function" automatically starts operation in the same mode as the one set with the remote controller just before the shutoff of the main power. When timer is set, timer setting is cancelled and the unit starts operation when power is resumed.

If you do not want to use this function, please consult the service representative because the setting of the unit needs to be changed.

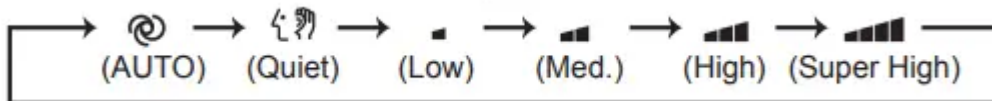
## FAN SPEED AND AIRFLOW DIRECTION ADJUSTMENT



### FAN

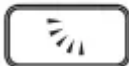


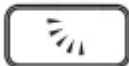
Press  to select fan speed. Each press changes fan speed in the following order:

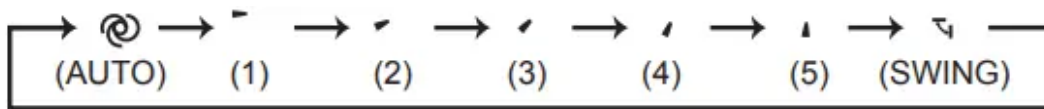


- Two short beeps are heard from the indoor unit when set to AUTO.
- Use higher fan speed to cool the room more powerfully. It is recommended to lower the fan speed once the room is cool.
- Use lower fan speed for quiet operation.
- Use lower fan speed to further lower the outlet temperature and humidity

### VANE

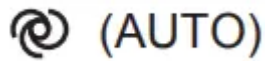


Press  to select airflow direction. Each press changes airflow direction in the following order:



- Two short beeps are heard from the indoor unit when set to AUTO.

### Airflow direction



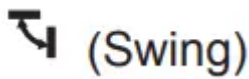
(AUTO)

The vane is set to the most efficient airflow direction. : horizontal position.



(Manual)

For efficient air conditioning, select the upper position for COOL/DRY, and the lower position for FAN. If the lower position is selected during COOL/DRY, the vane automatically moves to the upward position after 0.5 to 1 hour to prevent any condensation from dripping.

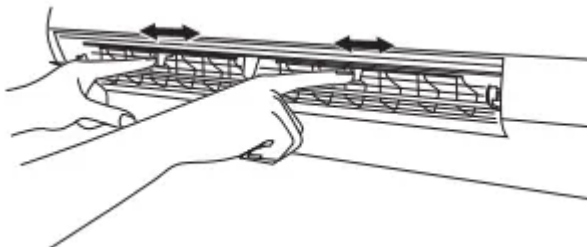


(Swing)

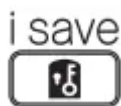
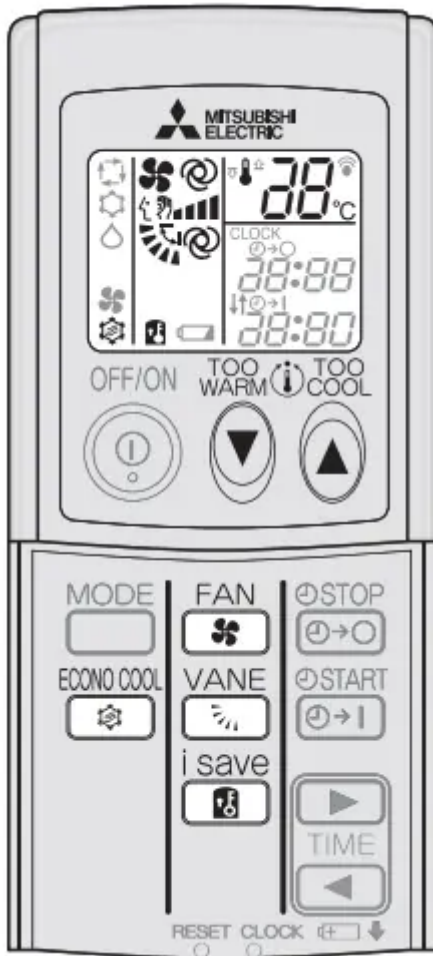
The vane moves up and down intermittently.


- To change the horizontal airflow direction.

Move the vertical vane manually before starting operation.




# I-SAVE OPERATION




1. Press  during COOL or ECONO COOL mode to select i-save mode.
2. Set the temperature, fan speed, and airflow direction.



- The same setting is selected from the next time by simply pressing .
- One group of settings can be saved.
- Select the appropriate temperature, fan speed, and airflow direction according to your room.



Press  again to cancel i-save operation.

- i-save operation also is canceled when the MODE button is pressed.

## **i-save operation**

A simplified set back function enables to recall the preferred (preset) setting with a



single push of the button. Press the button again and you can go back to the previous setting in an instance.

**Example of use:**

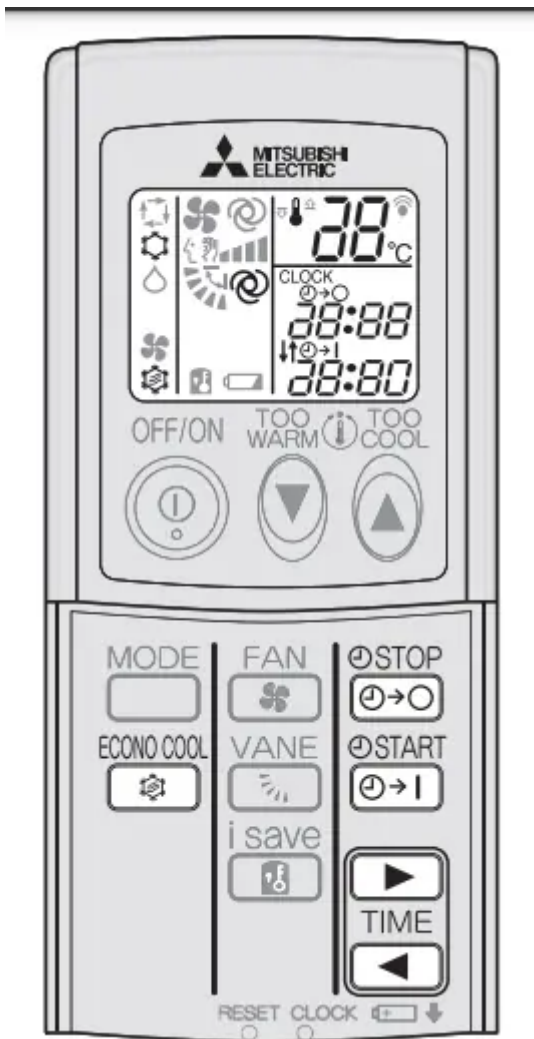
1. Low energy mode



Set the temperature 2°C to 3°C warmer in COOL. This setting is suitable for unoccupied room, and while you are sleeping.



2. Saving frequently used settings

Save your preferred setting for COOL/ECONO COOL. This enables you to select your preferred setting with a single push of the button.

## ECONO COOL OPERATION



 Press  during COOL mode on page 4 to start ECONO COOL operation. The unit performs swing operations vertically in various cycles according to the temperature of the unit. Set temperature is set 2°C higher automatically

 Press  again to cancel ECONO COOL operation.



- ECONO COOL operation also is canceled when the VANE button is pressed.



### What is “ECONO COOL”?

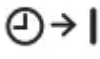

Swing airflow (change of airflow) makes you feel cooler than constant airflow. So, even though the set temperature is automatically set 2°C higher, it is possible to perform cooling operations with keeping comfort. As a result, energy can be saved.

## TIMER OPERATION (ON/OFF TIMER)



  Press  or  during operation to set the timer.


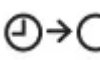
  (ON timer) : The unit turns ON at the set time.

  (OFF timer) : The unit turns OFF at the set time.

\*  or  blinks.

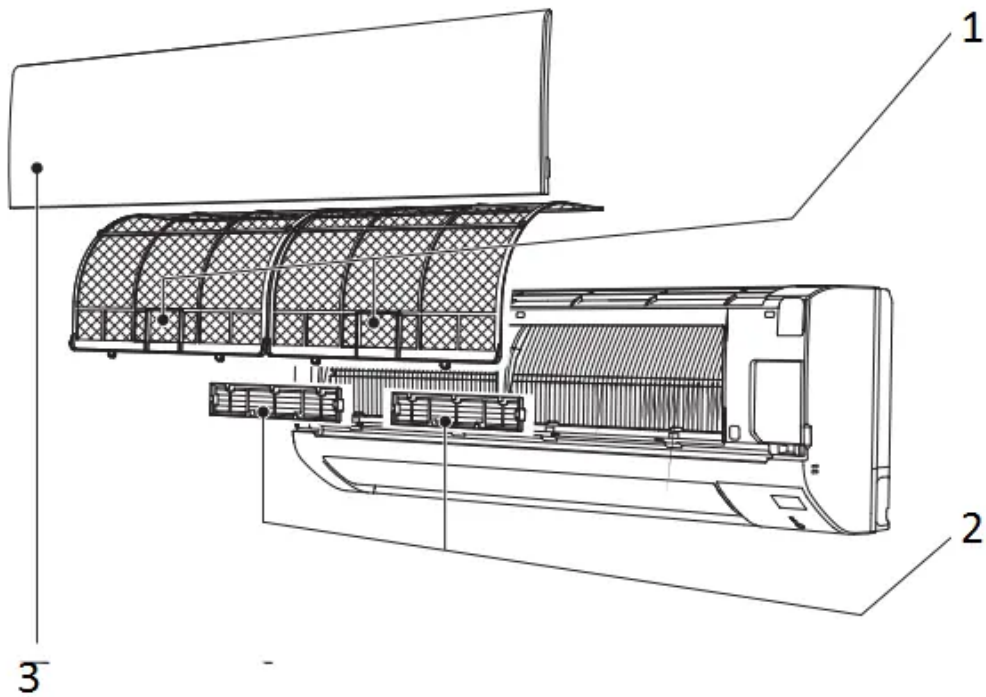
\* Make sure that the current time is set correctly. Page 3

2. Press  (Increase) and  (Decrease) to set the time of timer. Each press increases or decreases the set time by 10 minutes.

- Set the timer while  or  is blinking.

3. Press  or  again to cancel timer.

# CLEANING



## 1. Air filter (Nano platinum filter)

- Clean every 2 weeks
- Remove dirt by a vacuum cleaner, or rinse with water.
- After washing with water, dry it well in shade.

### What is “Nano platinum filter” ?

Nano platinum is a ceramic particle that includes a platinum nanoparticle. The particles are incorporated into the filter material, which results in providing semi-permanent antibacterial and deodorizing characteristics for the filter. Nano platinum surpasses the catechin (a bioflavonoid that is found in green tea) in performance. Nano platinum filter uses this compound not only to improve air quality but also to eliminate bacteria and viruses. This air filter has a semi-permanent lasting effect even after washing it with water.

## 2. Air cleaning filter (Anti-Allergy Enzyme Filter, option)

### Back side of air filter

Every 3 months:

- Remove dirt by a vacuum cleaner.

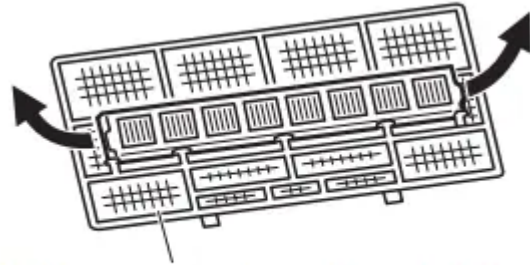
### When dirt cannot be removed by vacuum cleaning:

- Soak the filter and its frame in lukewarm water before rinsing it.

- After washing, dry it well in shade. Install all tabs of the air filter.

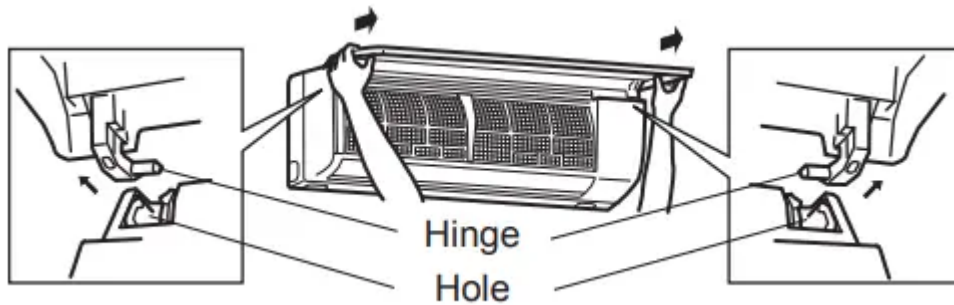
**Every year:**

- Replace it with a new air-cleaning filter for best performance.
- Parts Number MAC-408FT-E



Pull to remove from the air filter

**3. Front panel**



1. Lift the front panel until a “click” is heard.
2. Hold the hinges and pull to remove as shown in the illustration above.
  - Wipe with a soft dry cloth or rinse it with water.
  - Do not soak it in water for more than two hours.
  - Dry it well in shade.
3. Install the front panel by following the removal procedure in reverse. Close the front panel securely and press the positions indicated by the arrows.



# WHEN YOU THINK THAT TROUBLE HAS OCCURRED



Symptom	Explanation & Checkpoints
<b>Indoor Unit</b>	
The unit cannot be operated.	<ul style="list-style-type: none"> <li>• Is the breaker turned on?</li> <li>• Is the power supply plug connected?</li> <li>• Is the ON timer set? Page 6</li> </ul>
The horizontal vane does not move.	<ul style="list-style-type: none"> <li>• Are the horizontal vane and the vertical vane installed correctly?</li> <li>• Is the fan guard deformed?</li> </ul>
The unit cannot be operated for about 3 minutes when restarted.	<ul style="list-style-type: none"> <li>• This protects the unit according to instructions from the microprocessor. Please wait.</li> </ul>
Mist is discharged from the air outlet of the indoor unit.	<ul style="list-style-type: none"> <li>• The cool air from the unit rapidly cools moisture in the air inside the room, and it turns into mist.</li> </ul>
The swing operation of the HORIZONTAL VANE is suspended for a while, then restarted.	<ul style="list-style-type: none"> <li>• This is for the swing operation of the HORIZONTAL VANE to be performed normally.</li> </ul>
The air flow direction changes during operation. The direction of the horizontal vane cannot be adjusted with the remote controller.	<ul style="list-style-type: none"> <li>• When the unit is operated in COOL or DRY mode, if the operation continues with air blowing down for 0.5 to 1 hour, the direction of the air flow is automatically set to upward position to prevent water from condensing and dripping.</li> </ul>
The unit starts operation by itself when the main power is turned on, though it isn't operated with the remote controller.	<ul style="list-style-type: none"> <li>• These models are equipped with an auto restart function. When the main power is turned off without stopping the unit with the remote controller and is turned on again, the unit starts operation automatically in the same mode as the one set with the remote controller just before the shutoff of the main power. Refer to "Auto restart function". Page 4</li> </ul>
The indoor unit discolors over time.	



	<ul style="list-style-type: none"> <li>• Although plastic turns yellow due to the influence of some factors such as ultraviolet light and temperature, this has no effect on the product functions.</li> </ul>
<b>Outdoor Unit</b>	
The fan of the outdoor unit does not rotate even though the compressor is running. Even if the fan starts to rotate, it stops soon.	<ul style="list-style-type: none"> <li>• When the outside temperature is low during cooling operation, the fan operates intermittently to maintain sufficient cooling capacity</li> </ul>
Water leaks from the outdoor unit.	<ul style="list-style-type: none"> <li>• During COOL and DRY operations, pipe or pipe connecting sections are cooled and this causes water to condense.</li> </ul>
<b>Remote controller</b>	
The display on the remote controller does not appear or it is dim. The indoor unit does not respond to the remote control signal.	<ul style="list-style-type: none"> <li>• Are the batteries exhausted? Page 3</li> <li>• Is the polarity (+, -) of the batteries correct? Page 3</li> <li>• Are any buttons on the remote controller of other electric appliances being pressed?</li> </ul>
<b>Does not cool</b>	
The room cannot be cooled sufficiently.	<ul style="list-style-type: none"> <li>• Is the temperature setting appropriate? Page 4</li> <li>• Is the fan setting appropriate? Please change fan speed to High or Super High. Page 5</li> <li>• Are the filters clean? Page 7</li> <li>• Is the fan or heat exchanger of the indoor unit clean? Page 7</li> <li>• Are there any obstacles blocking the air inlet or outlet of the indoor or outdoor unit?</li> <li>• Is a window or door open?</li> <li>• When a ventilation fan or a gas cooker is used in a room, the cooling load increases, resulting in an insufficient cooling effect.</li> <li>• When the outside temperature is high, the cooling effect may not be sufficient.</li> </ul>

	<ul style="list-style-type: none"> <li>• It may take a certain time to reach the setting temperature or may not reach that depending on the size of the room, the ambient temperature, and the like.</li> </ul>
<b>Airflow</b>	
The air from the indoor unit smells strange.	<ul style="list-style-type: none"> <li>• Are the filters clean? Page 7</li> <li>• Is the fan or heat exchanger of the indoor unit clean? Page 7</li> <li>• The unit may suck in an odor adhering to the wall, carpet, furniture, cloth, etc. and blow it out with the air.</li> </ul>
<b>Sound</b>	
Cracking sound is heard.	<ul style="list-style-type: none"> <li>• This sound is generated by the expansion/contraction of the front panel, etc. due to change in temperature.</li> </ul>
“Bubbling” sound is heard.	<ul style="list-style-type: none"> <li>• This sound is heard when the outside air is absorbed from the drain hose by turning on the range hood or the ventilation fan, making water flowing in the drain hose to spout out. This sound is also heard when the outside air blows into the drain hose in case the outside wind is strong.</li> </ul>
Mechanical sound is heard from the indoor unit.	<ul style="list-style-type: none"> <li>• This is the switching sound in turning on/off the fan or the compressor.</li> </ul>
The sound of water flowing is heard.	<ul style="list-style-type: none"> <li>• This is the sound of refrigerant or condensed water flowing in the unit.</li> </ul>
Hissing sound is sometimes heard.	<ul style="list-style-type: none"> <li>• This is the sound when the flow of refrigerant inside the unit is switched.</li> </ul>

**In the following cases, stop using the air conditioner and consult your dealer.**

- When water leaks or drips from the indoor unit.
- When the upper operation indicator lamp blinks. Except for when the lamp of a multi-unit blinks while the unit is on standby.
- When the breaker trips frequently.


- The remote control signal is not received in a room where an electronic ON/ OFF type fluorescent lamp (inverter-type fluorescent lamp, etc.) is used.
- Operation of the air conditioner interferes with radio or TV reception. An amplifier may be required for the affected device.
- When an abnormal sound is heard.
- When any refrigerant leakage is found.

## WHEN THE AIR CONDITIONER IS NOT GOING TO BE USED FOR A LONG TIME

1. Operate by COOL mode with the highest temperature set or FAN mode for 3 to 4 hours.  
Page 4

- This dries the inside of the unit.
- Moisture in the air conditioner contributes to growth of fungi, such as mold.



2. Press  to stop the operation

3. Turn off the breaker and/or disconnect the power supply plug.

4. Remove all batteries from the remote controller

### When using the air conditioner again:

1. Clean the air filter. Page 7
2. Check that the air inlet and outlet of the indoor and outdoor units are not blocked.
3. Check that the earth is connected correctly.
4. Refer to the "PREPARATION BEFORE OPERATION", and follow the instructions.

Page 3

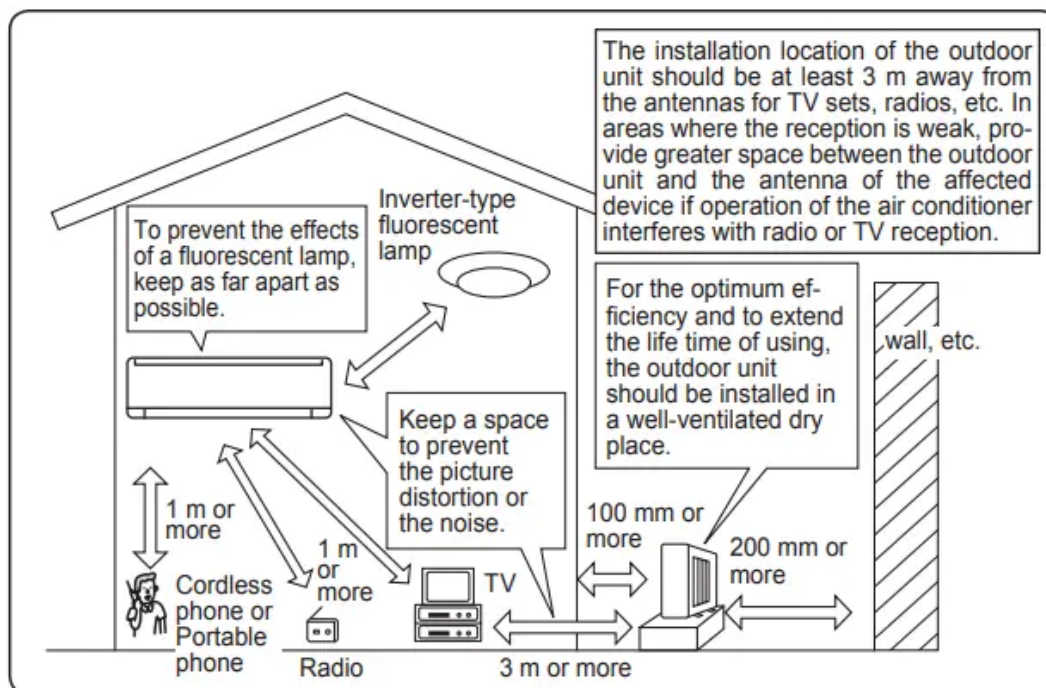
## INSTALLATION PLACE AND ELECTRICAL WORK

### Installation place

#### Avoid installing the air conditioner in the following places.

- Where there is much machine oil.
- Salty places such as the seaside.
- Where sulfide gas is generated such as hot spring, sewage, and wastewater.

- Where oil is splashed or where the area is filled with oily smoke (such as cooking areas and factories, in which the properties of plastic could be changed and damaged).
- Where there is high-frequency or wireless equipment.
- Where the air from the outdoor unit air outlet is blocked.
- Where the operation sound or air from the outdoor unit bothers the house next door.
- The mounting height of indoor units 1.8 m to 2.3 m is recommended. If it is impossible, please consult your dealer.
- Do not operate the air conditioner during interior construction and finishing work, or while waxing the floor. Before operating the air conditioner, ventilate the room well after such work is performed. Otherwise, it may cause volatile elements to adhere inside the air conditioner, resulting in water leakage or scattering of dew.



## Electrical work

- Provide an exclusive circuit for the power supply of the air conditioner.
- Be sure to observe the breaker capacity.

If you have any questions, consult your dealer.

## SPECIFICATIONS

Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	32°C DB 23°C WB	46°C DB —
	Lower limit	21°C DB 15°C WB	21°C DB —

DB : Dry Bulb

WB : Wet Bulb

### Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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