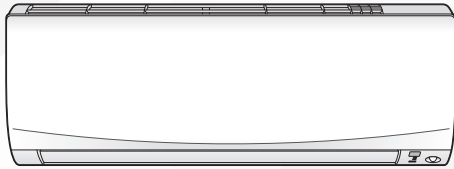


DAIKIN

DAIKIN ROOM AIR CONDITIONER

OPERATION MANUAL



Enjoy year-round comfort.

MODELS

CTXM20RVMA	CTKM20RVMA
CTXM25RVMA	CTKM25RVMA
CTXM35RVMA	CTKM35RVMA
CTXM46RVMA	CTKM46RVMA

Features

Enhanced comfort and energy savings



INTELLIGENT EYE

The INTELLIGENT EYE sensor detects human movement and adjusts the right and left airflow direction. If no one is in the room for more than 20 minutes, the operation automatically changes to energy saving operation. The INTELLIGENT EYE sensor works differently depending on the situation. ▶Page 15



COMFORT AIRFLOW

The airflow direction is upward while in COOL and DRY operation, and downward while in HEAT operation. This function prevents cold or warm air from blowing directly on your body. ▶Page 17

Other functions



SUPER POWERFUL

SUPER POWERFUL operation quickly maximises the cooling (heating) effect in any operation mode. ▶Page 19



OUTDOOR UNIT QUIET

OUTDOOR UNIT QUIET operation assures a low noise level of the outdoor unit. This function is useful to maintain a quiet neighbourhood. ▶Page 18



ECONO




This function enables efficient operation by limiting the maximum power consumption. It is useful when using the air conditioner and other electrical devices simultaneously on a shared electrical circuit. **▶Page 18**

Contents





■ Read Before Operation

Safety Precautions.....	3
Names of Parts	5
Preparation Before Operation	9



■ Basic Operation

 AUTO · DRY · COOL · HEAT · FAN Operation	11
 Adjusting the Airflow Direction	13
 Adjusting the Airflow Rate.....	14

■ Useful Functions

 INTELLIGENT EYE Operation.....	15
 COMFORT AIRFLOW Operation.....	17
 ECONO / OUTDOOR UNIT QUIET Operation	18
 SUPER POWERFUL / HEAT PLUS Operation	19

■ TIMER Operation

 ON/OFF TIMER Operation	21
 WEEKLY TIMER Operation.....	24

■ Multi Connection

Note for Multi System	30
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■ Care

Care and Cleaning.....	32
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■ When the Need Arises

FAQ	37
Troubleshooting	38

Safety Precautions



Read the precautions in this manual carefully before operating the unit.



This appliance is filled with R32.

- Keep this manual where the user can easily find it.
- The precautions described herein are classified as WARNING and CAUTION. They both contain important information regarding safety. Be sure to observe all precautions without fail.

WARNING

Failure to follow these instructions properly may result in personal injury or loss of life.

CAUTION

Failure to follow these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.



Never attempt.



Be sure to follow the instructions.



Be sure to establish an earth connection.

- After reading, keep this manual in a convenient place so that you can refer to it whenever necessary. If the equipment is transferred to a new user, be sure also to hand over the manual.

WARNING



- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance must be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odour.
- The appliance must be installed, operated and stored in a room with a floor area larger than 12.4m². Maintain an installation height of 1.8m or more from the floor surface to the bottom of the appliance. If the size of the room where the appliance is to be installed has less than the indicated minimum floor area, install it in a well ventilated room.
- To avoid fire, explosion or injury, do not operate the unit when harmful gases (e.g. flammable or corrosive) are detected near the unit.
- Be aware that prolonged, direct exposure to cool or warm air from the air conditioner, or to air that is too cool or too warm, can be harmful to your physical condition and health.
- Do not place objects, including rods, your fingers, etc., in the air inlet or outlet. Product damage or personal injury may result due to contact with the air conditioner's high-speed fan blades.
- Do not attempt to repair, dismantle, reinstall or modify the air conditioner yourself as this may result in water leakage, electric shock or fire hazards.
- Do not use flammable spray near the air conditioner, or otherwise fire may result.
- Do not use a refrigerant other than the one indicated on the outdoor unit (R32) when installing, moving or repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.
- To avoid electric shock, do not operate with wet hands.



- Beware of fire in case of refrigerant leakage. If the air conditioner is not operating correctly, i.e. not generating cool or warm air, refrigerant leakage could be the cause. Consult your dealer for assistance. The refrigerant within the air conditioner is safe and normally does not leak. However, in the event of a leakage, contact with a naked burner, heater or cooker may result in generation of noxious gas. Do not use the air conditioner until a qualified service person confirms that the leakage has been repaired.
- Do not attempt to install or repair the air conditioner yourself. Improper workmanship may result in water leakage, electric shock or fire hazards. Please contact your local dealer or qualified personnel for installation and maintenance work.
- If the air conditioner is malfunctioning (giving off a burning odour, etc.), turn off power to the unit and contact your local dealer. Continued operation under such circumstances may result in a failure, electric shock or fire hazards.
- Be sure to install an earth leakage circuit breaker. Failure to install an earth leakage circuit breaker may result in electric shock or fire.



- Be sure to earth the unit. Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead. Imperfect earthing may result in electric shock.


CAUTION


- Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner for cooling precision instruments, food, plants, animals or works of art as this may adversely affect the performance, quality and/or longevity of the object concerned.
- Do not expose plants or animals directly to the airflow from the unit as this may cause adverse effects.
- Do not place appliances that produce naked flames in places exposed to the airflow from the unit as this may impair combustion of the burner.
- Do not block the air inlets nor outlets. Impaired airflow may result in insufficient performance or trouble.
- Do not sit on the outdoor unit, put things on the unit, or pull the unit. Doing so may cause accidents, such as falling or toppling down, thus resulting in injury, product malfunctioning, or product damage.
- Do not place objects that are susceptible to moisture directly beneath the indoor or outdoor units. Under certain conditions, condensation on the main unit or refrigerant pipes, air filter dirt or drain blockage may cause dripping, resulting in fouling or failure of the object concerned.
- After prolonged use, check the unit stand and its mounts for damage. If they are left in a damaged condition, the unit may fall and cause injury.
- To avoid injury, do not touch the air inlet or aluminium fins of the indoor or outdoor units.
- The appliance is not intended for use by unattended young children or infirm persons. Impairment of bodily functions and harm to health may result.
- Children should be supervised to ensure that they do not play with the unit or its remote controller. Accidental operation by a child may result in impairment of bodily functions and harm health.
- Avoid impacts to the indoor and outdoor units, or otherwise product damage may result.
- Do not place flammable items, such as spray cans, within 1m of the air outlet.
The spray cans may explode as a result of hot air from the indoor or outdoor units.
- Be careful not to let pets urinate on the air conditioner. Urination on the air conditioner may result in electric shock or fire.
- Do not wash the air conditioner with water, as this may result in electric shock or fire.
- Do not place water containers (vases, etc.) above the unit, as this may result in electric shock or fire hazards if they should topple over.
- Do not insert the batteries in the wrong polarity (+/-) orientation as this may result in short circuiting, fire, or battery leakage.



- To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Before cleaning, be sure to stop unit operation and turn off the circuit breaker. Otherwise, an electric shock and injury may result.
- Only connect the air conditioner to the specified power supply circuit. Power supplies other than the one specified may result in electric shock, overheating and fires.
- Arrange the drain hose to ensure smooth drainage. Imperfect drainage may cause wetting of the building, furniture, etc.
- Do not place objects in direct proximity of the outdoor unit and do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals which can enter the unit. Once inside the unit, such animals can cause malfunctions, smoke or fire if they come into contact with electrical parts.
- Do not place objects around the indoor unit.
Doing so may have an adverse influence on the performance, product quality, and life of the air conditioner.
- This appliance is not intended to be used by persons with reduced physical, sensory or mental capabilities, or with lack of operation knowledge, unless they have been given supervision or instruction concerning the appliance use by person responsible for their safety. Keep out of children's reach to ensure that they do not play with the appliance.

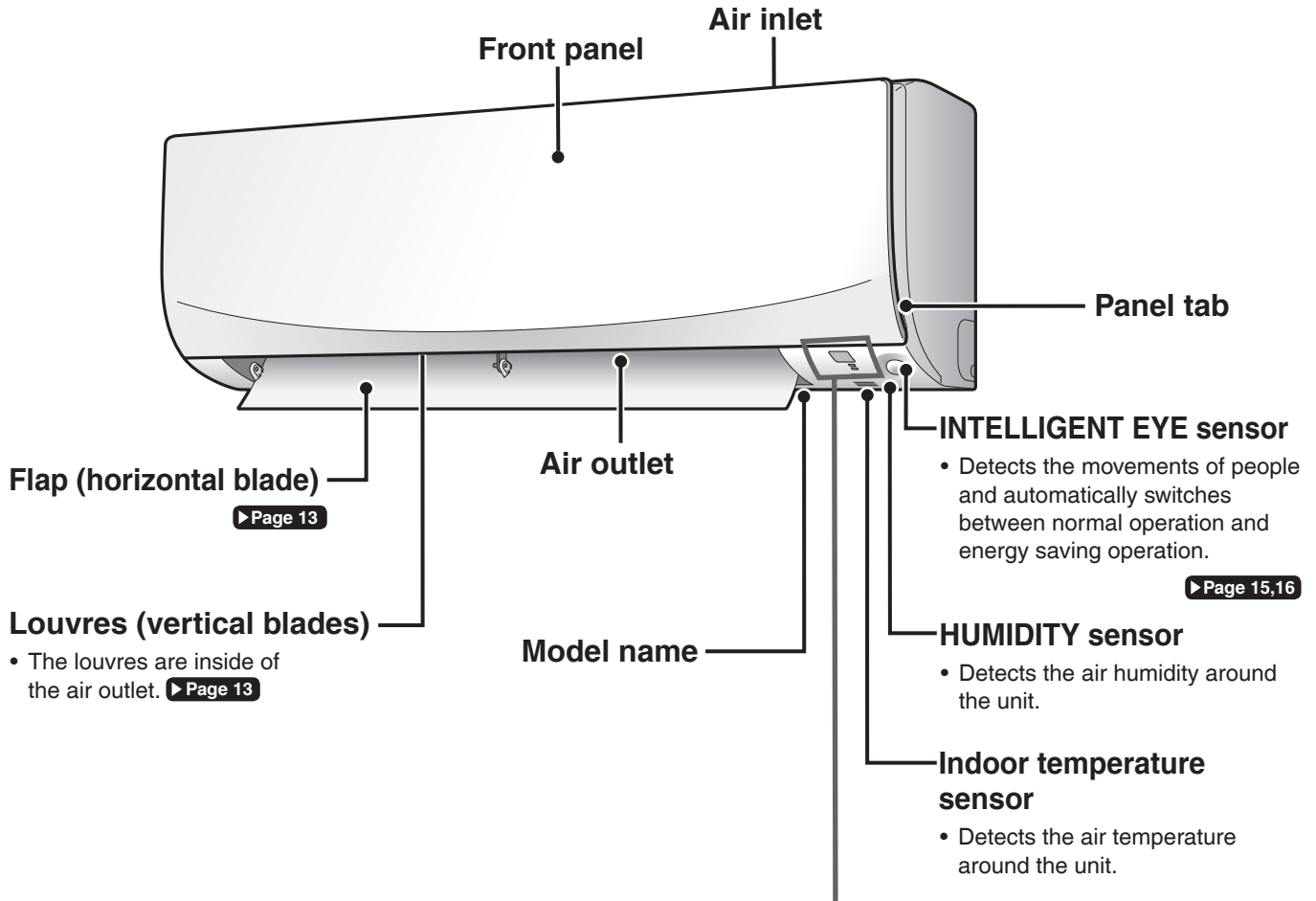
FTPF008

Precautions relating to area surrounding the indoor and outdoor units

- Be sure to follow the instructions below.
 - The indoor unit is at least 1m away from any television or radio set (unit may cause interference with the picture or sound).
 - Refrain from using the units in areas prone to high levels of oily smoke, such as a kitchen. Water leakage may result.

Names of Parts

Indoor Unit

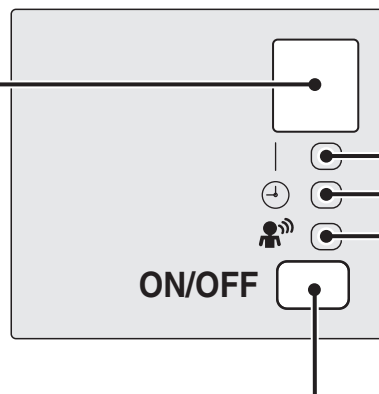


Display

Signal receiver

- Receives signals from the remote controller.
- When the unit receives a signal, you will hear a beep sound.

Case	Sound type
Operation start	beep-beep
Setting changed	beep
Operation stop	long beep



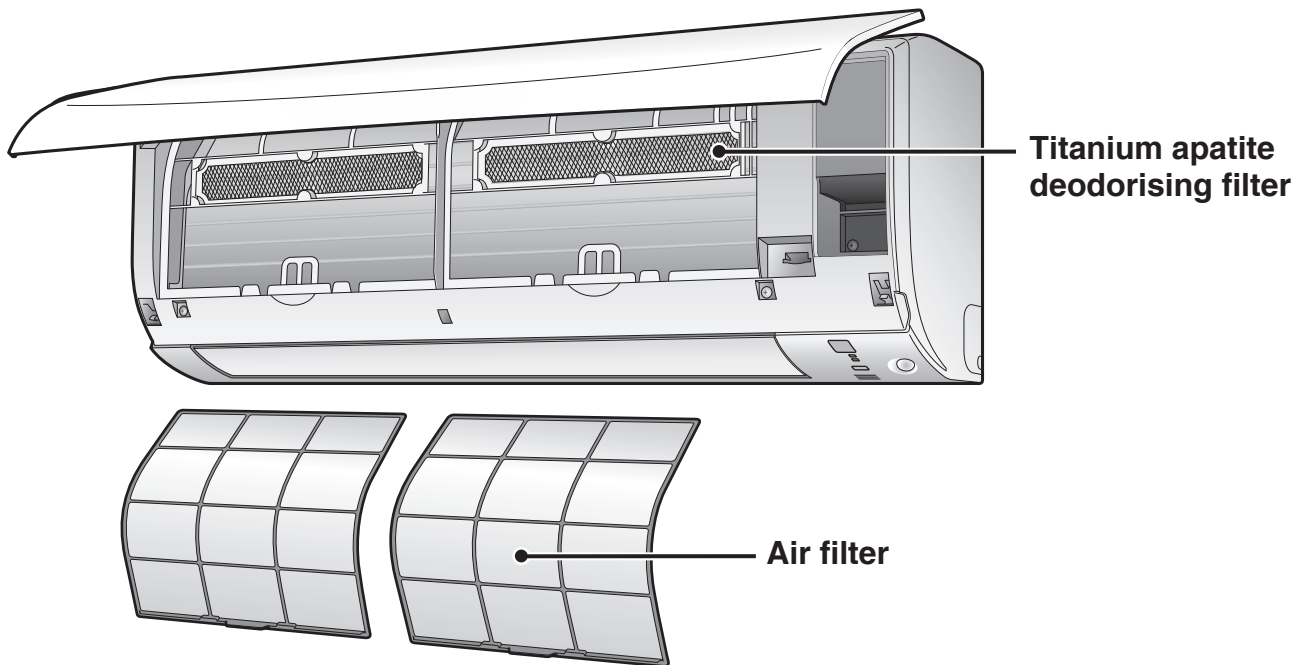
Indoor Unit ON/OFF switch

- Push this switch once to start operation. Push once again to stop it.
- For the operation mode setting, refer to the following table.

Model	Mode	Temperature setting	Airflow rate
HEAT PUMP	AUTO	25°C	AUTO
COOLING ONLY	COOL	22°C	AUTO

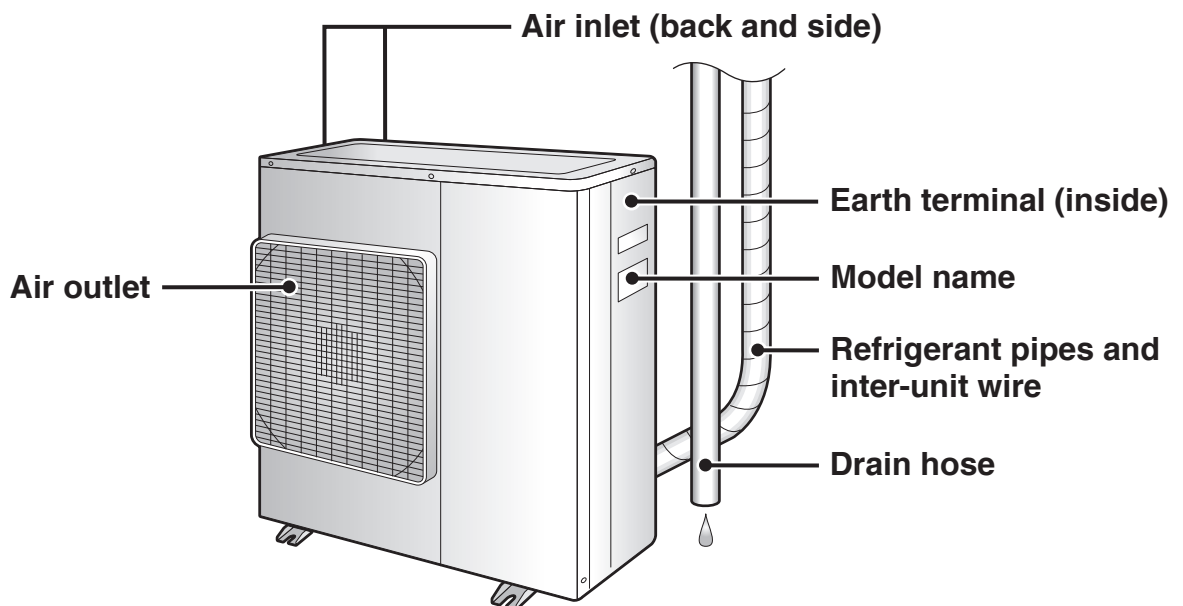
- This switch can be used when the remote controller is missing.

■ Open the front panel



Outdoor Unit

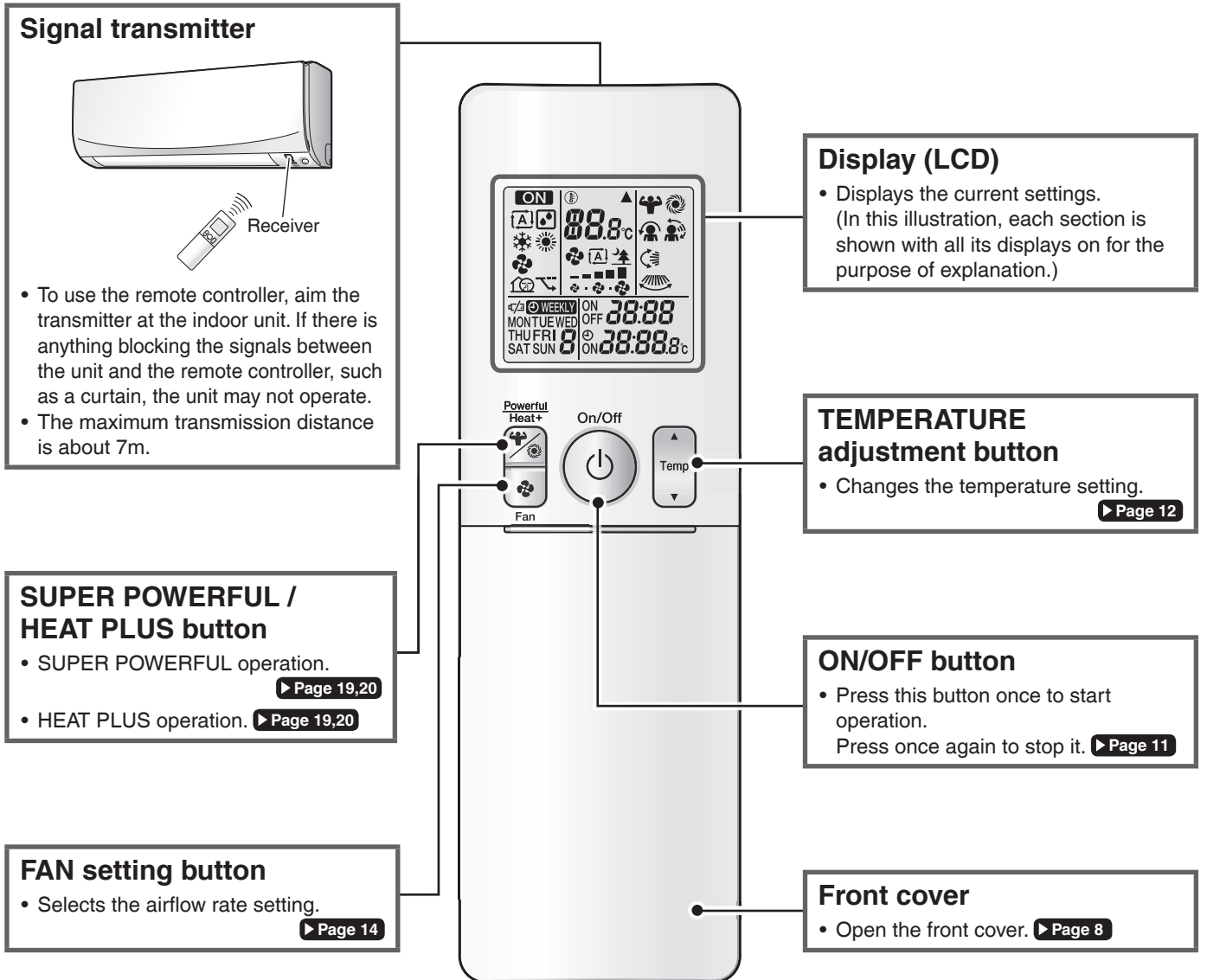
- The appearance of the outdoor unit may differ between different models.



Names of Parts

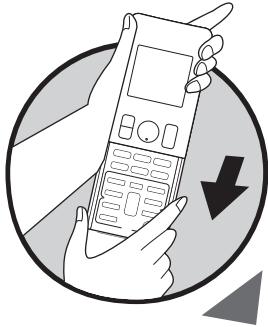
Remote Controller

Explained by the HEAT PUMP model



HEAT PUMP model	ARC466A40
COOLING ONLY model	ARC466A41

■ Open the front cover



MODE selector button

- Selects the operation mode. (AUTO/DRY/COOL/HEAT/FAN)

▶ Page 11

ECONO/QUIET button

- ECONO/OUTDOOR UNIT QUIET operation. ▶ Page 18

SWING button

- Adjusts the airflow direction. ▶ Page 13

SENSOR button

- INTELLIGENT EYE operation. ▶ Page 15

COMFORT button

- COMFORT AIRFLOW operation. ▶ Page 17

OFF TIMER button (NIGHT SET mode)

▶ Page 22

TIMER CANCEL button

- Cancels the timer setting. ▶ Page 21,22
- Cannot be used for the WEEKLY TIMER operation.

SELECT button

- Changes the clock, ON/OFF TIMER and WEEKLY TIMER settings.

Weekly

[Button] : WEEKLY button

[Button] : PROGRAMME button

[Button] : COPY button

[Button] : BACK button

[Button] : NEXT button

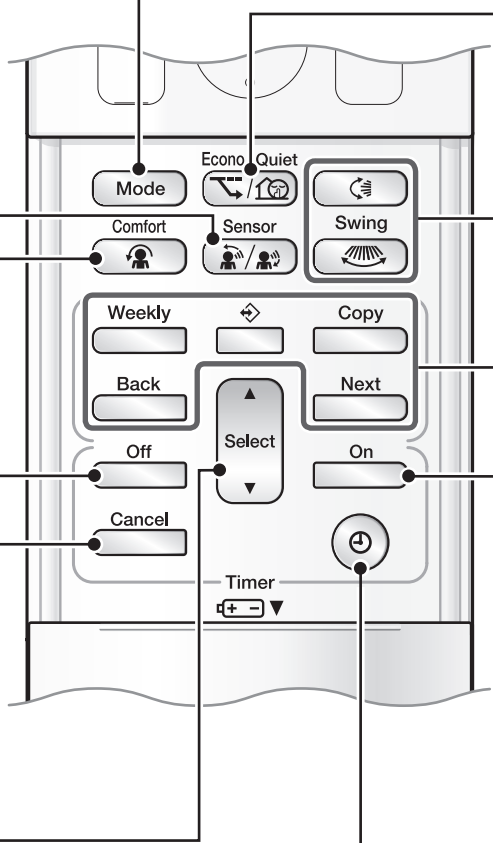
[Button] : WEEKLY TIMER operation. ▶ Page 24

ON TIMER button

▶ Page 21

CLOCK button

▶ Page 10



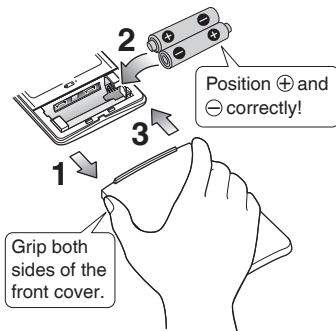
Preparation Before Operation

CAUTION

Incorrect handling of batteries can result in injury from battery leakage, rupturing or heating, or lead to equipment failure.

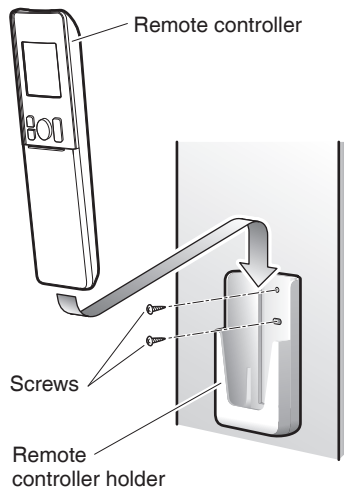
Please observe the following precautions and use safely.

- If the alkaline solution from the batteries should get in the eyes, do not rub the eyes. Instead, immediately flush the eyes with tap water and seek the attention of a medical professional.
- Keep batteries out of reach of children. In the event that batteries are swallowed, seek the immediate attention of a medical professional.
- Do not expose batteries to heat or fire. Do not disassemble or modify batteries. The insulation or gas release vent inside the battery may be damaged, resulting in battery leakage, rupturing, or heating.
- Do not damage or peel off labels on the batteries.



To insert the batteries

1. Slide the front cover to take it off.
2. Insert 2 dry batteries AAA.LR03 (alkaline).
3. Replace the front cover.



To attach the remote controller holder to a wall

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

Turn on the circuit breaker

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

NOTE

Notes on batteries

- To avoid possible injury or damage from battery leakage or rupturing, remove the batteries when not using the product for long periods of time.
- The standard replacement time is about 1 year. Both batteries should be replaced at the same time. Be sure to replace them with new size AAA.LR03 (alkaline) batteries.
- When battery power has run out, "E1" will begin blinking on the LCD as an alert that the batteries need replacing. In some cases, when battery consumption is accelerated owing usage conditions, signal reception may decline before the LCD begins blinking.
- The batteries supplied with the remote controller are for initial operation. The batteries may run out in less than 1 year.

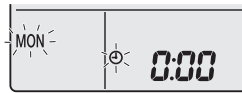
Note on remote controller

- Do not drop the remote controller. Do not get it wet.



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 displayed time.

5. Press .

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



“” blinks.

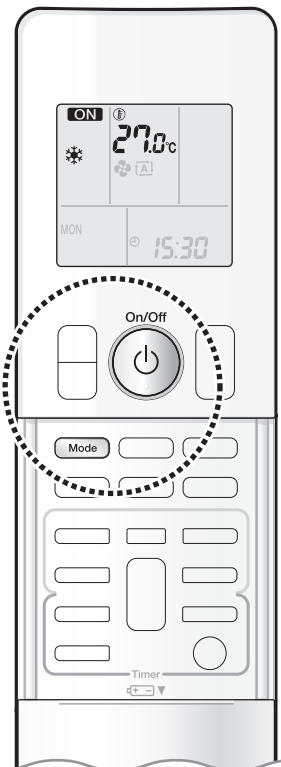
NOTE

Note on setting the clock

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



AUTO · DRY · COOL · HEAT · FAN Operation

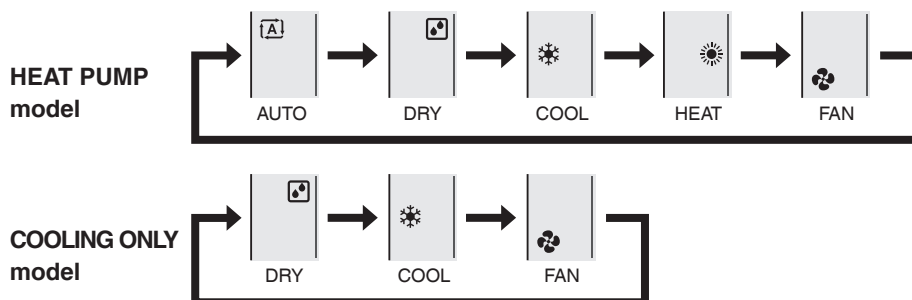


The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

To start operation

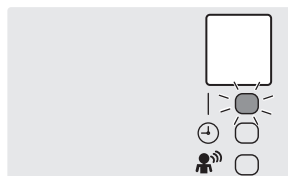
1. Press and select an operation mode.

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



2. Press .

- “**ON**” is displayed on the LCD.
- The OPERATION lamp lights green.



Display

To stop operation

Press again.

- “**ON**” disappears from the LCD.
- The OPERATION lamp goes off.

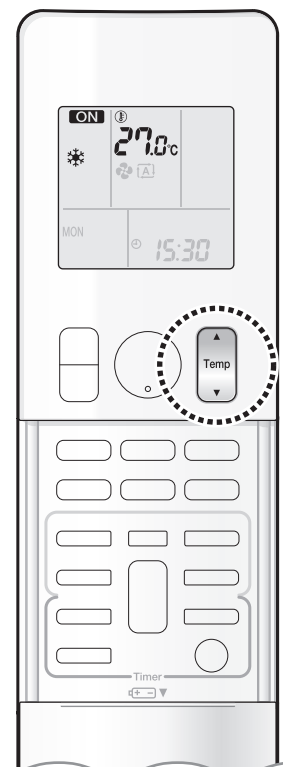
NOTE

Notes on AUTO operation

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

Note on DRY operation

- Eliminates humidity while maintaining the indoor temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.



To change the temperature setting

Press  .

- Press ▲ to raise the temperature and press ▼ to lower the temperature.

COOL operation	HEAT operation	AUTO operation	DRY or FAN operation
18.0 – 32.0°C	10.0 – 30.0°C	18.0 – 30.0°C	The temperature setting cannot be changed.

Tips for saving energy

Keeping the temperature setting at a moderate level helps save energy.

- Recommended temperature setting
 - For cooling: 26.0-28.0°C
 - For heating: 20.0-24.0°C

Cover windows with a blind or a curtain.

- Blocking sunlight and air from outdoors increases the cooling (heating) effect.

Keep the air filters clean.

- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks. [▶ Page 34](#)

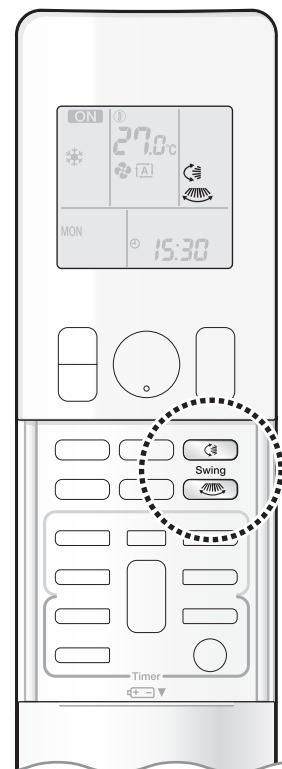
If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn off the circuit breaker.

- The air conditioner always consumes a small amount of electricity even while it is not operating.





Adjusting the Airflow Direction



You can adjust the airflow direction to increase your comfort.


Attention

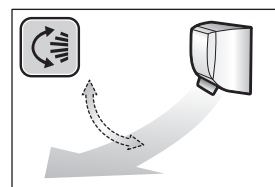
- Always use a remote controller to adjust the angles of the flap and louvres.
 - If you attempt to move the flap and louvres forcibly by hand when they are swinging, the mechanism may be damaged.
 - Inside the air outlet, a fan is rotating at a high speed.

To start auto swing

Up and down airflow direction


▶ Press .

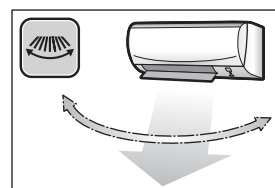
- “” is displayed on the LCD.
- The flap (horizontal blade) will begin to swing.



Right and left airflow direction





▶ Press .

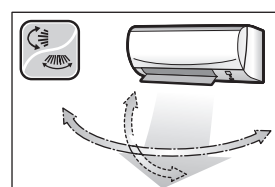
- “” is displayed on the LCD.
- The louvres (vertical blades) will begin to swing.



The 3-D airflow direction

▶ Press  and .



- “” and “” are displayed on the LCD.
- The flap and louvres move in turn.
- To cancel 3-D airflow, press either  or  again. The flap or louvres will stop moving.



To set the flap or louvres at the desired position

- This function is effective while the flap or louvres are in auto swing mode.

▶ Press  and  when the flap or louvres reach the desired position.

- In the 3-D airflow, the flap and louvres move in turn.
- “” or “” disappears from the LCD.




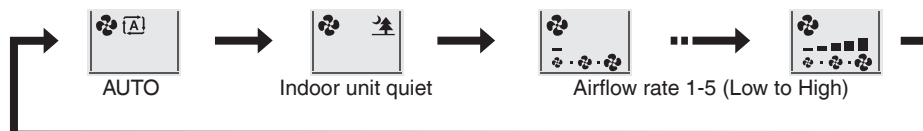
Adjusting the Airflow Rate


You can adjust the airflow rate to increase your comfort.

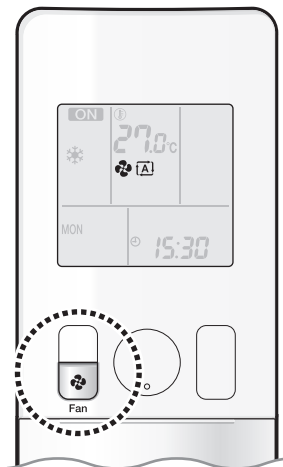
To adjust the airflow rate setting

Press .

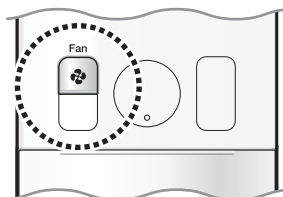
- Each pressing of  changes the airflow rate setting in sequence.



- When the airflow is set to “”, quiet operation starts and noise from the indoor unit will become quieter.
- In the quiet operation mode, the airflow rate is set to a weak level.
- In DRY operation, the airflow rate setting cannot be changed.



For HEAT PUMP model
Explained by the HEAT PUMP
model



For COOLING ONLY model

NOTE

Note 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.
- Angling the flap upward during HEAT operation may make it difficult to warm up.

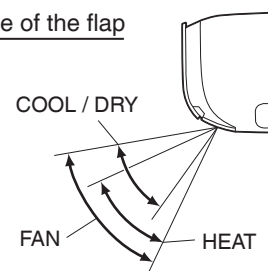
Note on 3-D airflow

- Using 3-D airflow circulates cold air, which tends to be collected 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

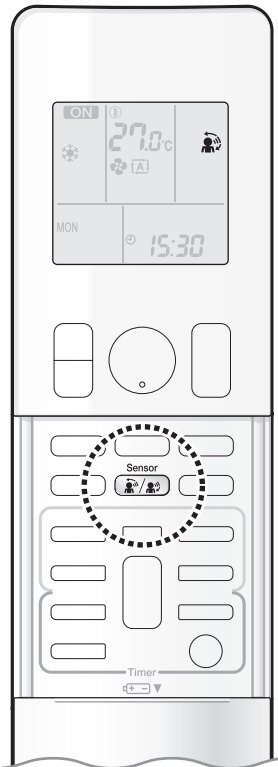
- At smaller airflow rates, the cooling (heating) effect is also smaller.

Movable range of the flap





INTELLIGENT EYE Operation




The INTELLIGENT EYE sensor detects human movement and adjusts the right and left airflow direction. If no one is in the room for more than 20 minutes, the operation automatically changes to energy saving operation. The INTELLIGENT EYE sensor works differently depending on the situation.

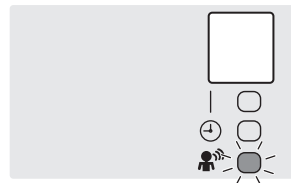
⚠ CAUTION

- Do not place large objects near the INTELLIGENT EYE sensor. Also keep heating units and 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.

To start INTELLIGENT EYE operation

▶ Press  and select the desired mode.

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



Display



- When the flap (horizontal blade) is swinging, selecting any of the modes above will cause the flap (horizontal blade) to stop.

To cancel INTELLIGENT EYE operation

▶ Press  until no icon is displayed.


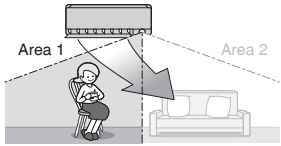
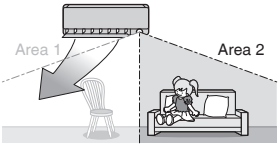
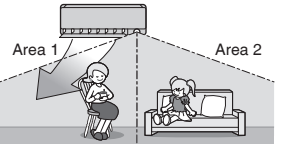
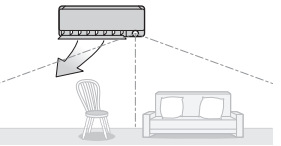

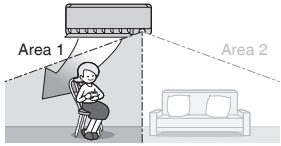
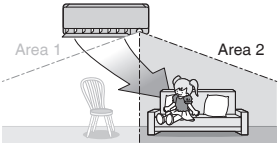
- The INTELLIGENT EYE lamp goes off.

NOTE

- INTELLIGENT EYE operation is set to blow directly on people, the air conditioner tracks you horizontally, without the air blowing directly on you.
- When the INTELLIGENT EYE sensor detects the movement of people, it adjusts the airflow direction upward (while in COOL operation) and downward (while in HEAT operation), by adjusting the flap. Depending on the settings, the louvres (vertical blades) will either direct airflow directly toward or away from people.

How the INTELLIGENT EYE operation works

[Example]

	A person is detected in area 1.	A person is detected in area 2.	People are detected in both areas.	No people are detected in the areas.
				
			When the INTELLIGENT EYE operation and the COMFORT AIRFLOW operation are used together, the unit will not blow air directly at people (only in their general direction).	The air conditioner will switch to energy-saving mode after 20 minutes.

*The airflow 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

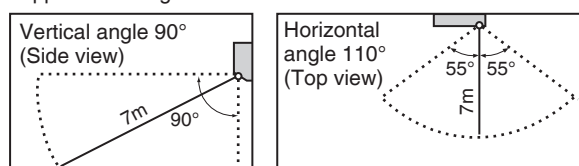
Energy saving operation


- If no presence is detected in the room for 20 minutes, the energy saving operation will start, and the INTELLIGENT EYE lamp goes off. If human movement is detected again, the INTELLIGENT EYE lamp lights up and energy saving operation terminates.
- This operation changes the temperature by -2°C in HEAT / $+2^{\circ}\text{C}$ in COOL / $+2^{\circ}\text{C}$ in DRY operation from the set temperature. When the room temperature exceeds 30°C , the operation changes the temperature by $+1^{\circ}\text{C}$ in COOL / $+1^{\circ}\text{C}$ in DRY operation from the set temperature.
- This operation decreases the airflow rate slightly in FAN operation only.

NOTE

Notes on INTELLIGENT EYE operation

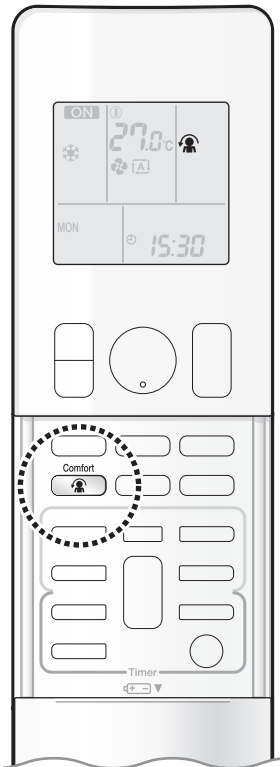
- Application range is as follows.



- While the air conditioner is in INTELLIGENT EYE operation, the louvres 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 for 20 minutes, the air conditioner switches to the energy-saving mode with the set temperature shifted by 2°C . The air conditioner may switch to the energy-saving operation even if there are people in the areas. This may occur depending on the clothes the people are wearing, if there is no movement of the people in the areas.
- The airflow direction from the louvres will be leftward if there are people in both areas 1 and 2. The air will also flow left if there is a person right in front of the sensor as the sensor judges that there are people in both areas.
- 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. Using both modes together, the air conditioner will not direct the airflow towards the people.
- The sensor may not detect moving objects further than 7m away. (Please see the application range.)
- Sensor detection sensitivity changes according to the indoor unit location, the speed of passers-by, temperature range, etc.
- The sensor could also mistakenly detect pets, sunlight, fluttering curtains and light reflected off of mirrors as passers-by.
- INTELLIGENT EYE operation will not switch on during SUPER POWERFUL operation.
- NIGHT SET mode  Page 22 will not switch on during use of INTELLIGENT EYE operation.



COMFORT AIRFLOW Operation



The airflow direction is upward while in COOL and DRY operation, and downward while in HEAT operation. This function prevents cold or warm air from blowing directly on the occupants in the room.

To start COMFORT AIRFLOW operation

Press **Comfort** .

- “” is displayed on the LCD.

	COOL and DRY operation	HEAT operation
Flap direction	Goes up	Goes down
Airflow rate	AUTO	

- Not available in FAN operation.

To cancel COMFORT AIRFLOW operation

Press **Comfort** again.

- “” disappears from the LCD.
- The flap will return to the memory position from before COMFORT AIRFLOW operation.

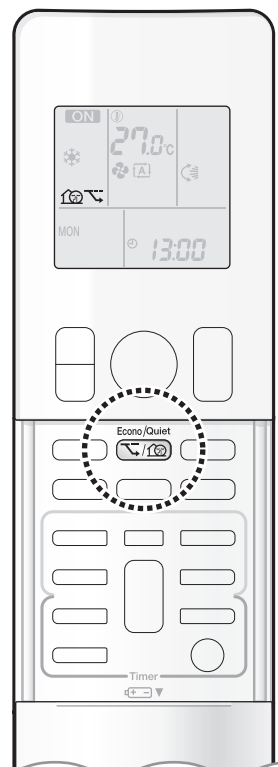
NOTE

Note on COMFORT AIRFLOW operation

- If the up and down airflow direction is selected, COMFORT AIRFLOW operation will be cancelled.



ECONO / OUTDOOR UNIT QUIET Operation




ECONO operation enables efficient operation by limiting the maximum power consumption.

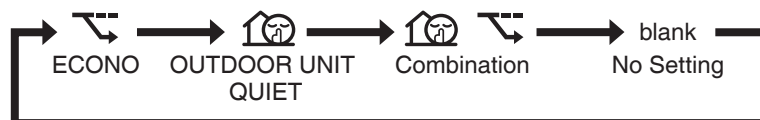
This function is useful to prevent the circuit breaker from tripping when the unit operates alongside other appliances on the same circuit.

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

To start operation

Press  and select the desired mode.

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





To cancel operation


Press  until no icon is displayed.

NOTE

Notes on ECONO operation

- Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.

Notes on OUTDOOR UNIT QUIET operation

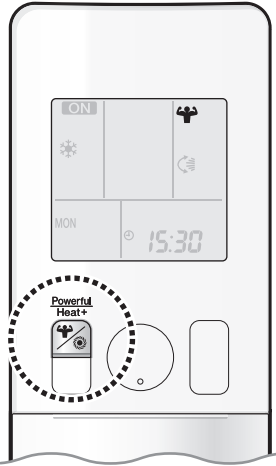
- If using a multi system, the OUTDOOR UNIT QUIET operation will work only when this function is set on all operated indoor units. However, if using priority room setting, refer to “**Note for Multi System**”. ▶ [Page 30](#)
- Even if the operation is stopped by using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain displayed on the remote controller.
- OUTDOOR UNIT QUIET operation will not reduce the frequency nor fan speed if they already are operating at reduced levels.
- This operation is performed with lower power and therefore may not provide a sufficient cooling (heating) effect.

Possible combinations of ECONO / OUTDOOR UNIT QUIET operation and basic operations

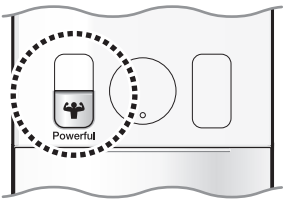
	Operation mode				
	AUTO	DRY	COOL	HEAT	FAN
ECONO	✓	✓	✓	✓	-
OUTDOOR UNIT QUIET	✓	-	✓	✓	-



SUPER POWERFUL / HEAT PLUS Operation



For HEAT PUMP model
Explained by the HEAT PUMP model




For COOLING ONLY model


SUPER POWERFUL operation: SUPER POWERFUL operation quickly maximises the cooling (heating) effect in any operation mode. In this mode, the air conditioner operates at maximum capacity.

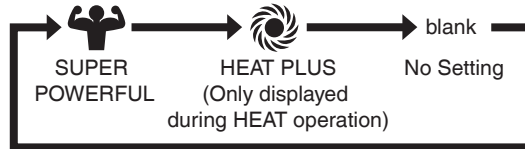
HEAT PLUS operation: Air emitted in this mode is of higher temperature than it is in normal HEAT operation.

Use this mode when you want to make the area around you warmer.

To start operation

Press  during operation and select the desired mode.

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





- SUPER POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before SUPER POWERFUL operation.
- HEAT PLUS operation automatically ends after about 30 minutes, after which HEAT operation resumes.

To cancel operation

Press  until no icon is displayed.

NOTE

Notes on SUPER POWERFUL operation

- Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- SUPER 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, HEAT and AUTO operation

To maximise the cooling (heating) effect, the capacity of outdoor unit increases and the airflow rate becomes fixed at the maximum setting. The temperature and airflow settings cannot be changed in COOL and HEAT operation. Airflow settings cannot be changed in AUTO operation.
 - 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 at the maximum setting.
 - When using priority room setting



Refer to “Note for Multi System”. [▶ Page 30](#)

Regarding the combination of SUPER POWERFUL and other operations

SUPER POWERFUL + COMFORT AIRFLOW	Not available*
SUPER POWERFUL + ECONO	
SUPER POWERFUL + OUTDOOR UNIT QUIET	

*Priority is given to the function of whichever button is pressed last.

Notes on HEAT PLUS operation

- Pressing  causes the setting to be cancelled, and “” disappears from the LCD.
- In some cases, if the temperature of the room is very low, the entire room may not be completely warmed up.
- Do not remain near the air outlet and in the direct path of emitted air for a long time.
- After HEAT PLUS operation (about 30 minutes) ends, room temperature will be high. Depending on the temperature set for HEAT operation prior to activating HEAT PLUS operation, power may be reduced.
- While HEAT PLUS operation is active, the airflow rate setting cannot be changed.
- During HEAT PLUS operation, the flaps' angles may change to prevent misdetection of room temperature.
- As the discharge air temperature rises, it may cause the surrounding area of indoor units currently operating in other rooms to warm up as well.

Regarding the combination of HEAT PLUS and other operations

HEAT PLUS + COMFORT AIRFLOW	Not available*
HEAT PLUS + ECONO	
HEAT PLUS + OUTDOOR UNIT QUIET	

*Priority is given to the function of whichever button is pressed last.



ON/OFF TIMER Operation



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

To use ON TIMER with a 24 hour clock display (24 HOUR ON/OFF TIMER)

- Check that the clock is correct.
If not, set the clock to the present time. ▶Page 10
- To set the ON TIMER in an hours remaining display. ▶Page 23

1. Press .



“6:00” is displayed on the LCD.
“ON” blinks.

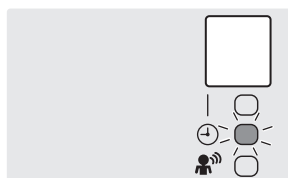
- “⌚” and day of the week disappear from the LCD.

2. Press **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 **again.**

- “ON” and setting time are displayed on the LCD.
- The TIMER lamp lights orange. ▶Page 5



Display

To cancel ON TIMER operation

Press .

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

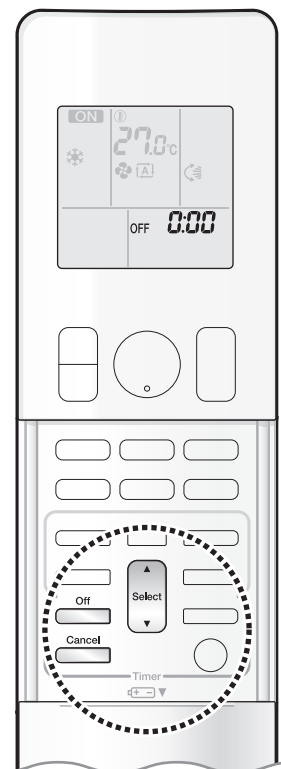
NOTE

Notes on TIMER operation

- When TIMER is set, the present time is not displayed.
- When using the ON/OFF TIMER to start/stop operation, the actual operation start/stop time may differ from the time set. (Maximum of about 10 minutes)

In the following cases, set the timer again.

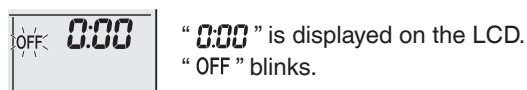
- After the circuit breaker has turned off.
- After a power failure.
- After replacing the batteries in the remote controller.



To use OFF TIMER with a 24 hour clock display (24 HOUR ON/OFF TIMER)

- Check that the clock is correct.
If not, set the clock to the present time. ▶Page 10
- To set the OFF TIMER in an hours remaining display. ▶Page 23

1. Press .



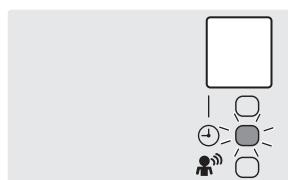
- “⌚” and day of the week disappear from the LCD.

2. Press 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 again.

- “OFF” and setting time are displayed on the LCD.
- The TIMER lamp lights orange. ▶Page 5



Display

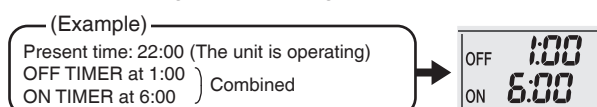
To cancel OFF TIMER operation

Press .

- “OFF” 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 operation

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



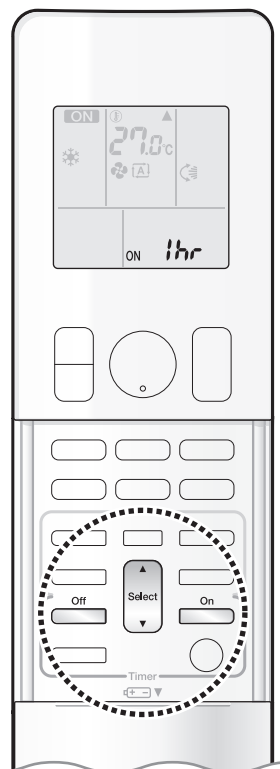
NOTE

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) during sleeping hours.




ON/OFF TIMER Operation




To use the ON/OFF TIMER with an hours remaining display (COUNT UP-DOWN ON/OFF TIMER)

- Check that the clock is correct.
If not, set the clock to the present time. [▶Page 10](#)

1. Press and hold or for about 5 seconds, when signal indicator (▲) blinks, release your finger from the button.

 For ON TIMER
“1hr” is displayed on the LCD.
“ON” blinks.

 For OFF TIMER
“1hr” is displayed on the LCD.
“OFF” blinks.

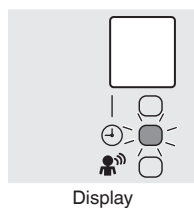
- “⌚” and day of the week disappear from the LCD.

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

- Each pressing of the button increases or decreases the time setting by 1 hour.
- The time can be set between 1 and 12 hours.

3. Press or again.

- “ON” or “OFF”, and setting time are displayed on the LCD.
- The TIMER lamp lights orange. [▶Page 5](#)



- To change the display mode from COUNT UP-DOWN ON/OFF TIMER to 24 HOUR ON/OFF TIMER, repeat **STEP 1**, and continue from **STEP 2** of “24 HOUR ON/OFF TIMER”. [▶Page 21,22](#)
- Timer display mode cannot be changed while “ON” or “OFF” are blinking. Press or to stop the blinking.

Combining display modes

- Different display modes (24 HOUR ON/OFF TIMER and COUNT UP-DOWN ON/OFF TIMER) can be used for the ON TIMER and OFF TIMER simultaneously.



NOTE

Notes on COUNT UP-DOWN ON/OFF TIMER

- After setting, the time displayed on the LCD will automatically count down by 1 hour for every 1 hour that passes.
For example, if the OFF TIMER is set to 3 hours, the display will change as follows: 3hr → 2hr → 1hr → blank (OFF)

Switching between ON/OFF TIMER display modes (24 hour clock and hours remaining display)

- When changing timer display modes (from 24 HOUR ON/OFF TIMER to COUNT UP-DOWN ON/OFF TIMER or vice versa), the timer cancels. The timer must be set again to activate it.



WEEKLY TIMER Operation

Up to 4 timer settings can be saved for each day of the week. This is convenient to adapt the WEEKLY TIMER to your family's life style.

Setting example of the WEEKLY TIMER

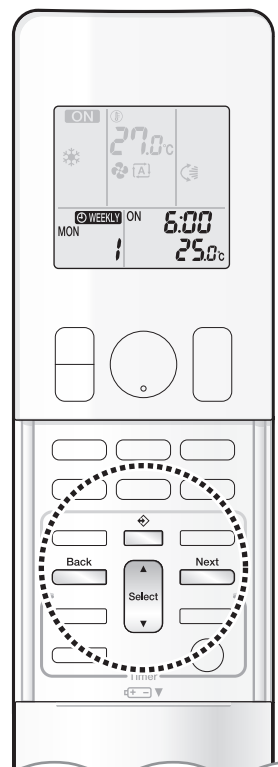
The same timer settings are used from Monday through Friday, while different timer settings are used for the weekend.

<p>[Monday]</p>	<p>Make timer settings for programmes 1-4. ▶Page 25</p> <p>Programme 1 Programme 2 Programme 3 Programme 4</p> <p>ON OFF ON OFF</p>
<p>[Tuesday to Friday]</p>	<p>Use the copy mode to make settings for Tuesday to Friday, because these settings are the same as those for Monday. ▶Page 27</p> <p>Programme 1 Programme 2 Programme 3 Programme 4</p> <p>ON OFF ON OFF</p>
<p>[Saturday]</p>	<p>No timer settings</p>
<p>[Sunday]</p>	<p>Make timer settings for programmes 1-4. ▶Page 25</p> <p>Programme 1 Programme 2 Programme 3 Programme 4</p> <p>ON OFF OFF ON</p>

- Up to 4 reservations per day and 28 reservations per week can be set using the WEEKLY TIMER. The effective use of the copy mode simplifies timer programming.
- 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 you forget to turn it off.



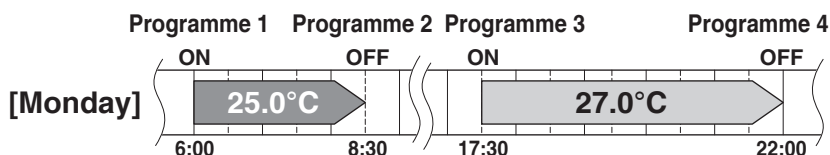
WEEKLY TIMER Operation



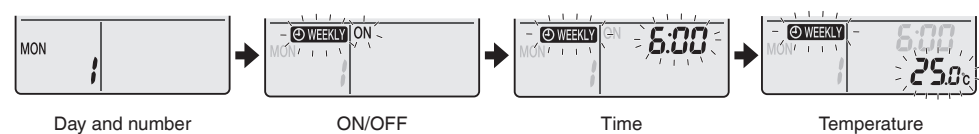
To use WEEKLY TIMER operation

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.

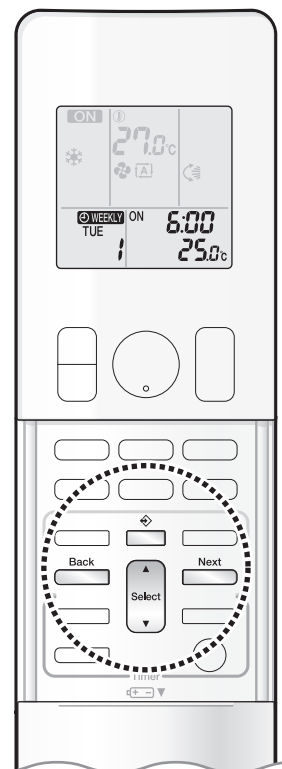
- Pressing changes the “ON” or “OFF” setting in sequence.




- In case the reservation has already been set, selecting “blank” deletes the reservation.
- Proceed to **STEP 9** if “blank” is selected.
- To return to the day of the week and reservation number setting, press .

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 .
- Proceed to **STEP 9** when setting the OFF TIMER.

7. Press .

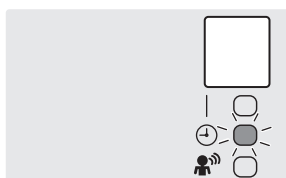
- The time will be set.
- “ WEEKLY” and the temperature blink.

8. Press to select the desired temperature.

- The temperature can be set between 10.0°C and 32.0°C.
COOL or AUTO: The unit operates at 18.0°C even if it is set at 10.0°C to 17.0°C.  **Page 12**
HEAT or AUTO: The unit operates at 30.0°C even if it is set at 31.0°C to 32.0°C.  **Page 12**
- To return to the time setting, press .
- The set temperature is only displayed when the mode setting is on.

9. Press .

- Check for a receiving tone and that the OPERATION lamp blinks twice.
- The TIMER lamp lights orange.
- Temperature and time are set in the case of ON TIMER operation, and the time is set in the case of OFF TIMER operation.
- The next reservation screen will appear.
- To continue further settings, repeat the procedure from **STEP 4**.







Display

10. Press to complete the setting.

- “ WEEKLY” is displayed on the LCD and WEEKLY TIMER operation is activated.
- A reservation made once can be easily copied and the same settings used for another day of the week. Refer to **Copy mode**.  **Page 27**

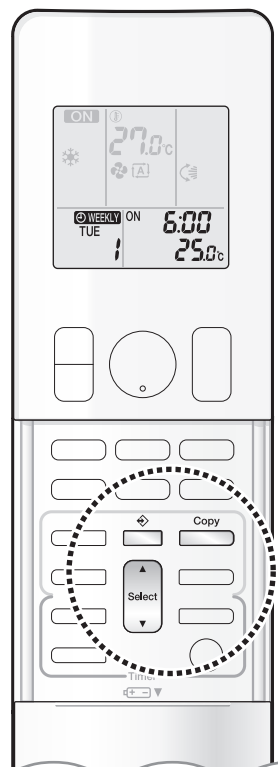
NOTE

Notes on WEEKLY TIMER operation

- Do not forget to set the clock on the remote controller first.  **Page 10**
- The day of the week, ON/OFF TIMER mode, time and set temperature (only for ON TIMER mode) can be set with the WEEKLY TIMER. When set to ON TIMER mode, operation will begin in the settings used previously for operation mode, temperature, airflow rate, and airflow direction.
- 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 enter the standby state, and “ WEEKLY” will disappear from the LCD. When the ON/OFF TIMER is up, the WEEKLY TIMER will automatically become active.
- Turning off the circuit breaker, power failure, and other similar events will render operation of the indoor unit's internal clock inaccurate. Reset the clock.  **Page 10**
-  can be used only for the time and temperature settings. It cannot be used to go back to the reservation number.

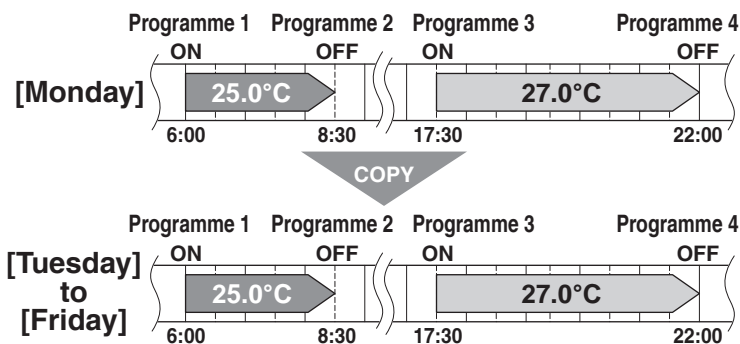


WEEKLY TIMER Operation

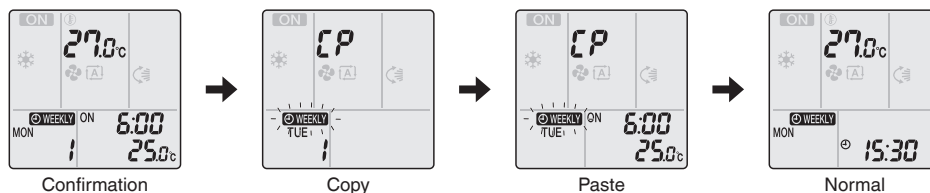


Copy mode

- 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

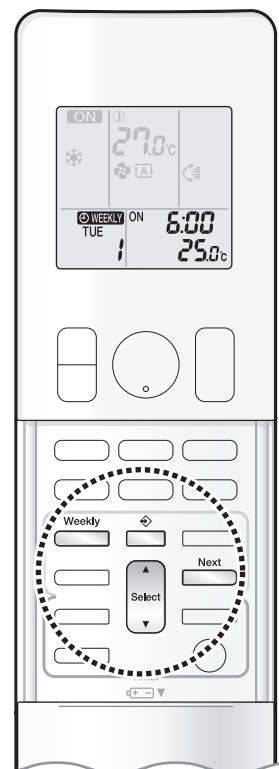


1. Press .
2. Press to confirm the day of the week to be copied.
3. Press .
 - The whole reservation of the selected day of the week will be copied.
4. Press to select the destination day of the week.
5. Press .
 - Check for a receiving tone and that the OPERATION lamp blinks twice.
 - The reservation 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**.
6. Press to complete the setting.
 - “ WEEKLY” is displayed on the LCD and WEEKLY TIMER operation is activated.

NOTE

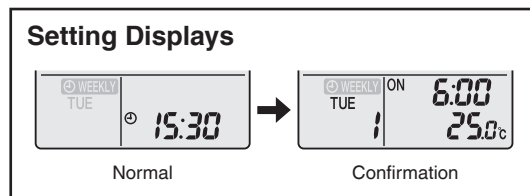
Note on COPY MODE

- 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 25](#)



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 . The mode is switched to setting mode. Proceed to **Setting mode STEP 4.** 

3. Press to exit the confirmation mode.

- “” is displayed on the LCD and WEEKLY TIMER operation is activated.
- The TIMER lamp lights orange.

To deactivate WEEKLY TIMER operation

Press while “” is displayed on the LCD.

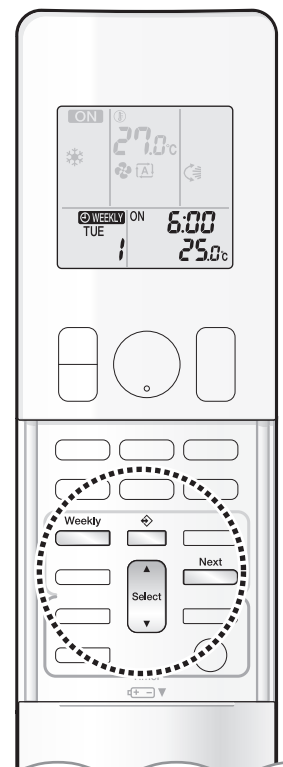
- “” disappears from the LCD.
- The TIMER lamp goes off.
- To reactivate the WEEKLY TIMER operation, press  again.
- If a reservation deactivated with  is activated once again, the last reservation mode will be used.

NOTE

- If not all the reservation settings are reflected, deactivate the WEEKLY TIMER operation once. Then press  again to reactivate the WEEKLY TIMER operation.



WEEKLY TIMER Operation



To delete reservations

An 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 .

- “ WEEKLY” and “ON” or “OFF” blink.

4. Press **until no icon is displayed.**

- Pressing changes the ON/OFF TIMER mode in sequence.
- Selecting “blank” will cancel any reservation you may have.



5. Press .

- Check for a receiving tone and that the OPERATION lamp blinks twice.
- The selected reservation will be deleted.

6. Press .

- If there are still other reservations, WEEKLY TIMER operation will be activated.

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 **for about 5 seconds.**

- Check for a receiving tone and that the OPERATION lamp blinks twice.
- The reservation of the selected day of the week will be deleted.

All reservations

Hold **for about 5 seconds with the normal display.**

- Check for a receiving tone and that the OPERATION lamp blinks twice.
- “ WEEKLY” disappears from the LCD.
- The TIMER lamp goes off.
- All reservations will be deleted.
- This operation is not functional while the WEEKLY TIMER setting screen is displayed.

Note for Multi System

A multi system has one outdoor unit connected to multiple indoor units.

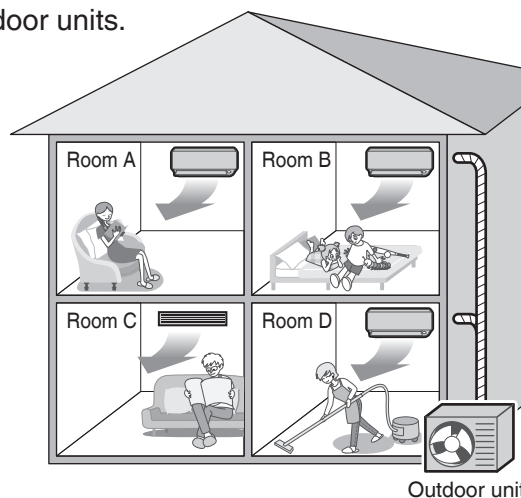
Selecting the operation mode

When the priority room setting is active but the set unit is not operating or when the priority room setting is inactive

When more than one indoor unit is operating, priority is given to the first unit that was turned on.

In this case, set the units that are turned on later to the same operation mode as the first unit.

Otherwise, they will enter the standby state, and the OPERATION lamp will blink; this does not indicate malfunction.



NOTE

Notes on operation mode for a multi system

- COOL, DRY and FAN operation may be used at the same time.
- AUTO operation automatically selects COOL operation or HEAT operation based on the indoor temperature. Therefore, AUTO operation is available when selecting the same operation mode as that of the room with the first unit to be turned on.

CAUTION

- Normally, the operation mode in the room where the unit is first started is given priority, but the following situations are exceptions to this rule. If the operation mode of the first room is FAN operation, then using HEAT operation in any room after this will give priority to HEAT operation. In this situation, the indoor unit operating in FAN mode will switch to standby, and the OPERATION lamp will blink.

With the priority room setting active

Refer to “**Priority room setting**” on the next page.

NIGHT QUIET mode (Available only for COOL operation)

NIGHT QUIET mode requires initial programming during installation. Please consult your retailer or dealer for assistance.

NIGHT QUIET mode reduces the operation noise of the outdoor unit during the night-time hours to prevent annoyance to neighbours.

- NIGHT QUIET mode is activated when the temperature drops 6°C or more below the highest temperature recorded that day. When the temperature difference between the current outdoor temperature and the maximum outdoor temperature becomes less than 4°C, this function will be cancelled.
- NIGHT QUIET mode slightly reduces the cooling efficiency of the unit.

OUTDOOR UNIT QUIET operation

Refer to “**OUTDOOR UNIT QUIET Operation**”. ▶Page 18

When the priority room setting is active but the set unit is not operating or when the priority room setting is inactive

When using the OUTDOOR UNIT QUIET operation feature with a multi system, set all indoor units to OUTDOOR UNIT QUIET operation using their remote controllers.

When cancelling OUTDOOR UNIT QUIET operation, simply cancel the mode on one of the operating indoor units using their remote controller.

However OUTDOOR UNIT QUIET operation will remain displayed on the remote controllers for the other rooms.

We recommend you cancel operation in all rooms using their remote controllers.

With the priority room setting active

Refer to “**Priority room setting**” on the next page.

Note for Multi System

COOL/HEAT mode lock

The COOL/HEAT mode lock requires initial programming during installation. Please consult your authorized dealer for assistance. The COOL/HEAT mode lock sets the unit forcibly to either COOL or HEAT operation. This function is convenient when you wish to set all indoor units connected to the multi system to the same operation mode.

NOTE

- The COOL/HEAT mode lock cannot be activated together with the priority room setting.

Priority room setting (Not available on some models)

The priority room setting requires initial programming during installation. Please consult your authorized dealer for assistance. The room designated as the priority room takes priority in the following situations.

Operation mode priority

- As the operation mode of the priority room takes precedence, you can select a different operation mode from other rooms.

[Example]

- Room A is the priority room in this example.

When COOL operation is selected in room A while operating the following modes in room B, C and D:

Operation mode in room B, C and D	Status of room B, C and D when the unit in room A is in COOL operation
COOL or DRY or FAN	The current operation mode is maintained.
HEAT	The unit enters the standby mode. Operation resumes when the room A unit stops operating.
AUTO	If the unit is set to COOL operation, it continues. If the unit is set to HEAT operation, it enters the standby mode. Operation resumes when the room A unit stops operating.

Priority when SUPER POWERFUL / HEAT PLUS operation is used

[Example]

- Room A is the priority room in this example.

The indoor units in rooms A, B, C and D are all operating. If the unit in room A enters SUPER POWERFUL / HEAT PLUS operation, operation capacity will be concentrated in room A. In such a case, the cooling (heating) efficiency of the units in room B, C and D may be slightly reduced.

Priority when OUTDOOR UNIT QUIET operation is used

[Example]

- Room A is the priority room in this example.

Just by setting the unit in room A to QUIET operation, the air conditioner starts OUTDOOR UNIT QUIET operation. You do not have to set all the indoor units in operation to OUTDOOR UNIT QUIET operation.

Care and Cleaning

⚠ CAUTION

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

■ Quick reference

Cleaning parts

Front panel

- Wipe it with a soft damp cloth.

If dirty ▶ Page 33



Air filter

- Vacuum dust or wash the filter.

Once every 2 weeks

▶ Page 34

Indoor unit and remote controller

- Wipe them with a soft cloth.

If dirty

Titanium apatite deodorising filter

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

▶ Page 35

[Replacement]

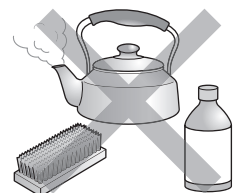
Once every 3 years

▶ Page 35

Notes on cleaning

For cleaning, do not use any of the following:

- Water hotter than 40.0°C
- Volatile liquid such as benzene, petrol and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush



Care and Cleaning

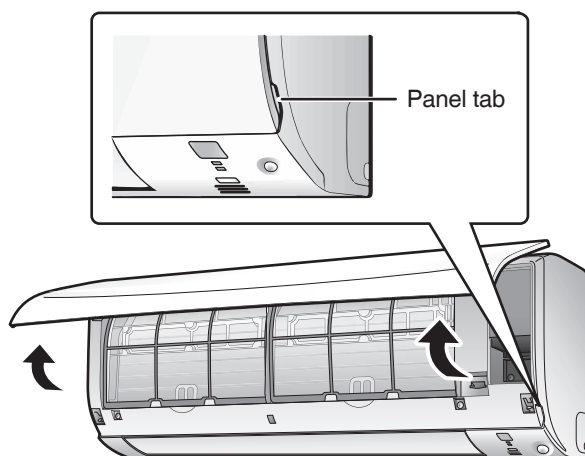
⚠ CAUTION

- When removing or attaching the front panel, stand on a solid, stable base and take care not to fall.
- When removing or attaching the front panel, support the panel securely with your hand to prevent it from falling.

■ Front panel

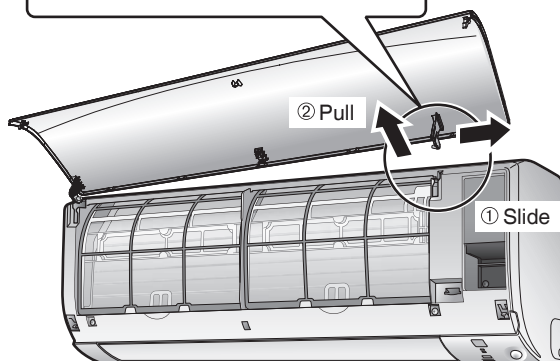
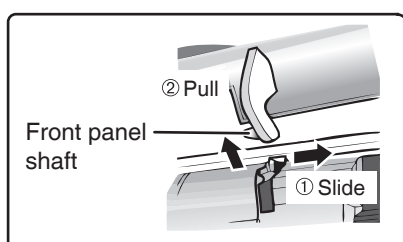
1. Open the front panel.

- Grip the panel tabs on each side of the front panel and open.



2. Remove the front panel.

- 1) Slide the front panel to either the left or right and pull it toward you to disengage one of the front panel shafts.



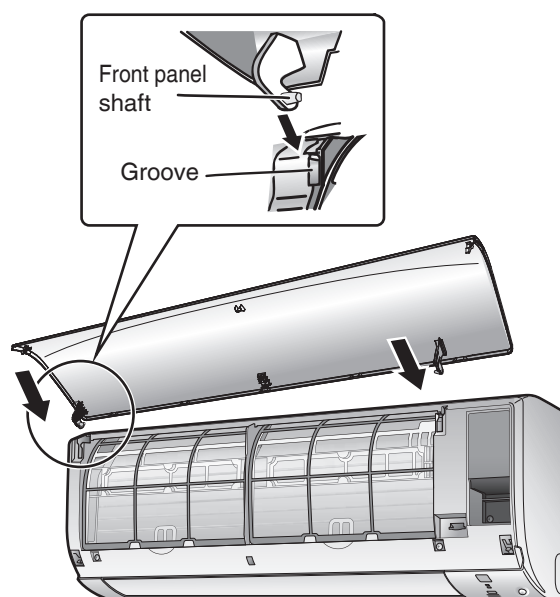
- 2) Disengage the front panel shaft on the other side in the same manner.
- 3) After disengaging both front panel shafts, pull the front panel toward yourself and remove it.

3. Clean the front panel.

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

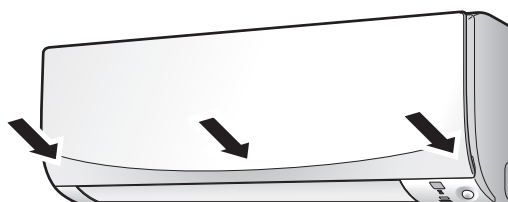
4. Attach the front panel.

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



5. Close the front panel slowly.

- Press the front panel at both sides and the centre.



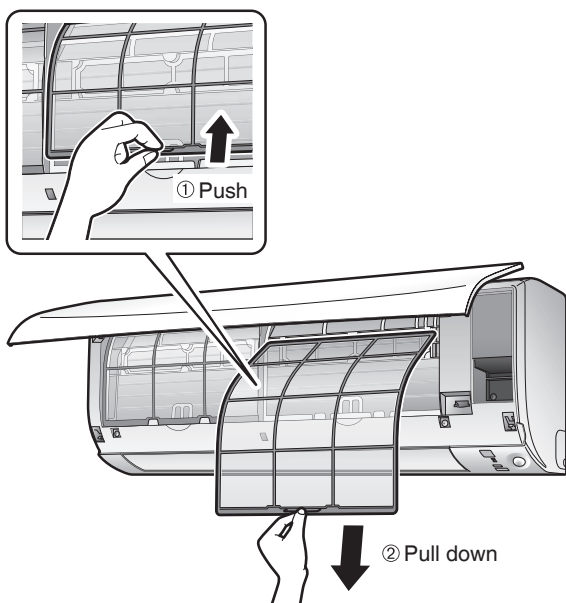
- Make sure that the front panel is securely fixed.

■ Air filter

1. Open the front panel. ▶Page 33

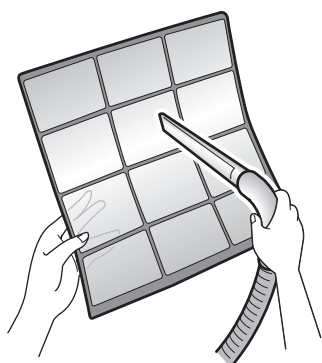
2. Pull out the air filters.

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



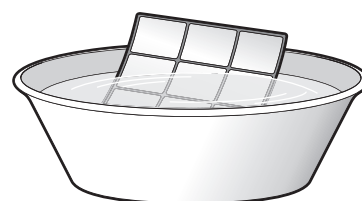
3. Wash the air filters with water or clean them with a vacuum cleaner.

- 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 let them dry in the shade.
- Be sure to remove the titanium apatite deodorising filter. Refer to “Titanium apatite deodorising filter” on the next page.



4. Reattach the filters.

5. Close the front panel slowly.

▶Page 33

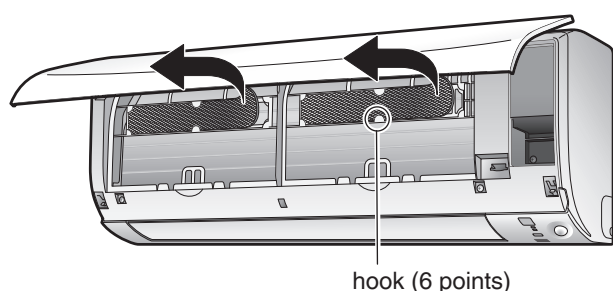
Care and Cleaning

■ Titanium apatite deodorising filter

1. Open the front panel and pull out the air filters. ▶Page 33,34

2. Take off the titanium apatite deodorising filters.

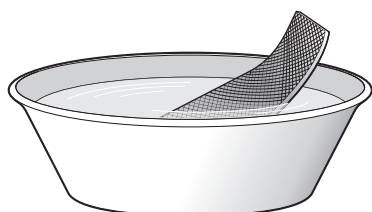
- Remove the filters from the tabs by remove 6 points of hook.



3. Clean or replace the titanium apatite deodorising filters.

[Cleaning]

3-1 Vacuum dust, and soak in lukewarm water or water for about 10 to 15 minutes if very dirty.



3-2 After washing, shake off remaining water and let them dry in the shade.

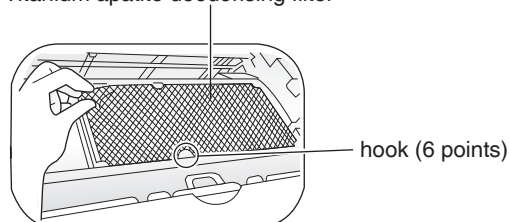
- Do not wring out the filter to remove water from it.

[Replacement]

Dispose of the removed filters and prepare new filters.

- When attaching the filter, check that the filter is properly set in the tabs.

Titanium apatite deodorising filter



- Dispose of the old filter as non-flammable waste.

4. Insert the titanium apatite deodorising filters.

5. Reattach the filters. ▶Page 34

6. Close the front panel slowly.

▶Page 33




NOTE

- Operation with dirty filters:
 - cannot deodorise 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 a titanium apatite deodorising filter, contact the dealer where you bought the air conditioner.

Item	Titanium apatite deodorising filter (set of 2)
Part No.	KAF970A46 (without frame)

■ Prior to a long period of non-use

1. Operate the FAN mode for several hours on a fine day to dry out the inside.

- 1) Press  and select “”.
 - When a multi outdoor unit is connected, make sure the HEAT operation is not being used in other rooms before you use the FAN operation. ▶ [Page 30](#)
- 2) Press  and start the operation.

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

3. Clean the air filters and reattach them.

4. To prevent battery leakage, take out the batteries from the remote controller.

■ 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 in addition to regular cleaning by the user.
- For specialist maintenance, please contact the dealer where you bought the air conditioner.
- The maintenance cost must be borne by the user.

FAQ

Indoor unit

The flap does not start swinging immediately.

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

The air conditioner stops generating airflow during HEAT operation.

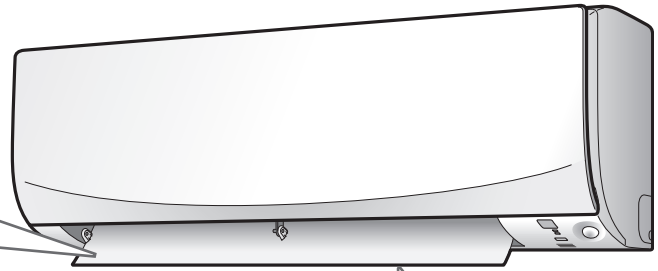
- Once the set temperature is reached, the airflow rate is reduced and operation stopped in order to avoid generating a cool airflow. Operation will resume automatically when the indoor temperature falls.

HEAT operation stops suddenly and a flowing sound is heard.

- The outdoor unit is defrosting. HEAT operation starts after the frost on the outdoor unit has been removed. This can take about 4 to 12 minutes.

Operation does not start soon.

- **When the unit is turned on again soon after being turned off.**
- **When the mode was reselected.**
 - This is to protect the air conditioner. You should wait for about 3 minutes.



Different sounds are heard.

■ A sound like flowing 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 can be heard when the water is pumped out from the air conditioner during COOL or DRY 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.

■ Ticking sound

- This sound is generated when the cabinet and frame of the air conditioner slightly expand or shrink as a result of temperature changes.

■ Whistling sound

- This sound is generated when refrigerant flows during defrosting operation.

■ Clicking sound during operation or idle time

- This sound is generated when the refrigerant control valves or the electrical parts operate.

■ Clopping sound

- This sound is heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.

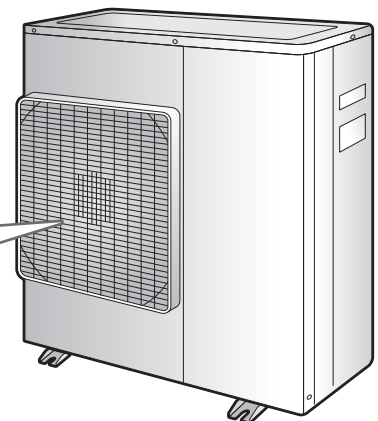
Outdoor unit

Operating sound is loud.

- When frost forms on the heat exchanger of the outdoor unit, the operating sound level increases slightly.

The outdoor unit emits water or steam.

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



Troubleshooting

Before making an inquiry or a request for repair, please check the following.
If the problem persists, consult your dealer.



Not a problem

This case is not a problem.



Check

Please check again before requesting repairs.

The air conditioner does not operate

Case	Description / what to check
OPERATION lamp is off.	<ul style="list-style-type: none"> Has the circuit breaker been tripped or the fuse blown? Is there a power failure? Are batteries set in the remote controller?
OPERATION lamp is blinking.	<ul style="list-style-type: none"> Turn off the power with the circuit breaker and restart operation with the remote controller. If the OPERATION lamp is still blinking, check the error code and consult your dealer. ▶Page 41

The air conditioner suddenly stops operating

Case	Description / what to check
OPERATION lamp is on.	<ul style="list-style-type: none"> To protect the system, the air conditioner may stop operating after sudden large voltage fluctuations. It automatically resumes operation in about 3 minutes.
OPERATION lamp is blinking.	<ul style="list-style-type: none"> Are the air filters dirty? Clean the air filters. Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit? Stop operation and after turning off the circuit breaker, remove the obstruction. Then restart operation with the remote controller. If the OPERATION lamp is still blinking, check the error code and consult your dealer. ▶Page 41 Are operation modes all the same for indoor units connected to outdoor units in the multi system? If not, set all indoor units to the same operation mode and confirm that the lamps. Moreover, when the operation mode is in AUTO, set all indoor unit operation modes to COOL or HEAT for a moment and check again that the lamps are normal. If the lamps stop blinking after the above steps, there is no malfunction. ▶Page 30

The air conditioner does not stop operating

Case	Description / what to check
The air conditioner continues operating even after operation is stopped.	<ul style="list-style-type: none"> Immediately after the air conditioner is stopped <ul style="list-style-type: none"> The outdoor unit fan continues rotating for about another 1 minute to protect the system. While the air conditioner is not in operation <ul style="list-style-type: none"> When the outdoor temperature is high, the outdoor unit fan may start rotating to protect the system.

The room does not cool down / warm up

Case	Description / what to check
Air does not come out.	<ul style="list-style-type: none"> In HEAT operation <ul style="list-style-type: none"> The air conditioner is warming up. Wait for about 1 to 4 minutes. During defrosting operation, hot air does not flow out of the indoor unit. When the air conditioner operates immediately after the circuit breaker is turned on <ul style="list-style-type: none"> The air conditioner is preparing to operate. Wait for about 3 to 20 minutes.
Air does not come out / Air comes out.	<ul style="list-style-type: none"> Is the airflow rate setting appropriate? <ul style="list-style-type: none"> Is the airflow rate setting low, such as "Indoor unit quiet" or "Airflow rate 1"? Increase the airflow rate setting. Is the set temperature appropriate? Is the adjustment of the airflow direction appropriate?
Air comes out.	<ul style="list-style-type: none"> Is there any furniture directly under or beside the indoor unit? Is the air conditioner in ECONO operation or OUTDOOR UNIT QUIET operation? ▶Page 18 Are the air filters dirty? Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit? Is a window or door open? Is an exhaust fan turning?

Troubleshooting



Discharge air temperature is low

Case	Description / what to check
High-temperature discharge air is not supplied during HEAT PLUS operation.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> When the outdoor temperature is low, and falls below freezing point, discharge air temperature may be unable to reach a sufficient value. Also, during multi-room operation, discharge air temperature may be unable to reach a sufficient value.

Mist comes out

Case	Description / what to check
Mist comes out of the indoor unit.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> This happens when the air in the room is cooled into mist by the cold airflow during COOL or other operation.


Remote controller

Case	Description / what to check
The unit does not receive signals from the remote controller or has a limited operating range.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> The batteries may be exhausted. Replace both batteries with new dry batteries AAA.LR03 (alkaline). For details, refer to “Preparation Before Operation”. ▶Page 9 Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult your dealer if that is the case. The remote controller may not function correctly if the transmitter is exposed to direct sunlight.
LCD is faint, is not working, or the display is erratic.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> The batteries may be exhausted. Replace both batteries with new dry batteries AAA.LR03 (alkaline). For details, refer to “Preparation Before Operation”. ▶Page 9
“  <ul style="list-style-type: none"> Battery power has run out. Replace both batteries at the same time with new size AAA.LR03 (alkaline) batteries. Leaving exhausted batteries in the remote controller can result in injury due to battery leakage, rupturing or heating, or lead to equipment failure. (Even when “ <ul style="list-style-type: none"> If the remote controller activates other electric devices, move them away or consult your dealer. 	

Air has an odour

Case	Description / what to check
The air conditioner gives off an odour.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> The room odour absorbed in the unit is discharged with the airflow. We recommend you to have the indoor unit cleaned. Please consult your dealer.

Others

Case	Description / what to check
The air conditioner suddenly starts behaving strangely during operation.	<input type="checkbox"/> <ul style="list-style-type: none"> The air conditioner may malfunction due to lightning or radio. If the air conditioner malfunctions, turn off the power with the circuit breaker and restart the operation with the remote controller.
HEAT operation cannot be selected, even though the unit is heat pump model.	<input type="checkbox"/> <ul style="list-style-type: none"> Check that the jumper (J8) has not been cut. If it has been cut, contact your dealer. 
The ON/OFF TIMER does not operate according to the settings.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> 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 24

Notes on the operating conditions

- If operation continues under any conditions other than those listed in the table,
 - A safety device may activate to stop the operation.
 - Dew may form on the indoor unit and drip from it when COOL or DRY operation is selected.

Mode	Operating conditions
COOL / DRY	Outdoor temperature: [HEAT PUMP model]: -10.0-46.0°C [COOLING ONLY model]: 10.0-46.0°C Indoor temperature: 18.0-32.0°C Indoor humidity: 80% max.
HEAT	Outdoor temperature: -15.0-24.0°C Indoor temperature: 10.0-30.0°C

■ Call your dealer immediately

WARNING

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

- Continued operation in an abnormal condition may result in problems, electric shock or fire.
- Consult the dealer where you bought the air conditioner.

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

- Incorrect work may result in electric shock or fire.
- Consult the dealer where you bought the air conditioner.

If one of the following symptoms takes place, call your dealer immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The circuit breaker, a fuse, or the earth leakage circuit 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 off the circuit breaker and call your dealer.



■ After a power failure

- The air conditioner automatically resumes operation in about 3 minutes. Please wait for a while.

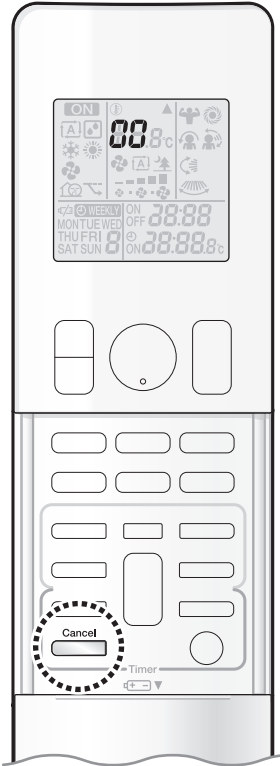
■ Lightning

- If there is a risk lightning could strike in the neighbourhood, stop operation and turn off the circuit breaker to protect the system.

■ Disposal requirements

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

Troubleshooting



■ Fault diagnosis by remote controller

- The remote controller can receive relevant error codes from the indoor unit.


1. When  is held down for about 5 seconds, “00” blinks in the temperature display section.

2. Press  repeatedly until a long beep is produced.

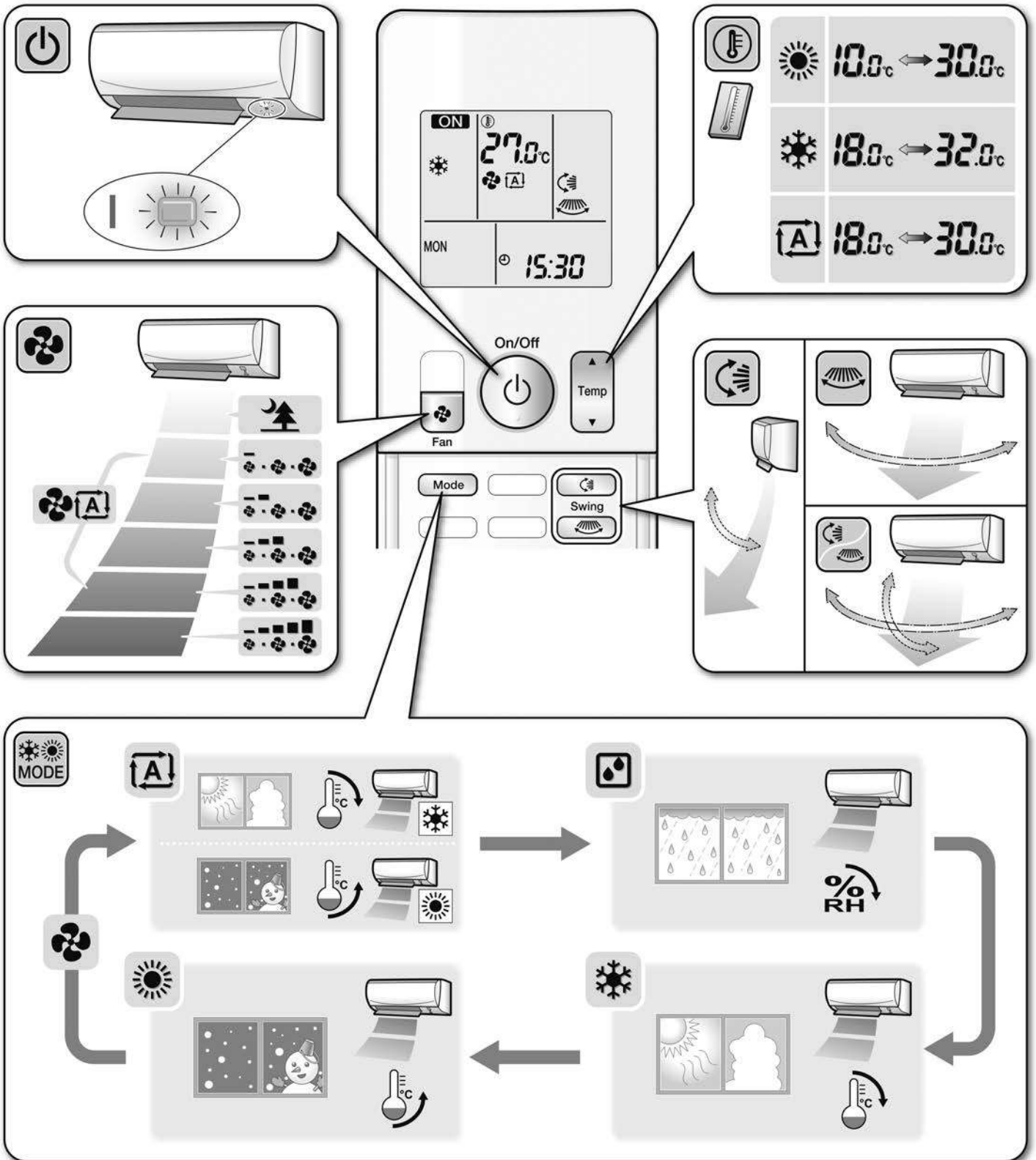
- The code indication changes as shown below, and notifies you with a long beep.

	CODE	MEANING
SYSTEM	00	NORMAL
	UA	INDOOR-OUTDOOR UNIT COMBINATION FAULT
	U0	REFRIGERANT SHORTAGE
	U2	DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE
	U4	FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT)
INDOOR UNIT	A1	INDOOR PCB DEFECTIVENESS
	A5	HIGH PRESSURE CONTROL OR FREEZE-UP PROTECTOR
	A6	FAN MOTOR FAULT
	CC	FAULTY HUMIDITY SENSOR
	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
OUTDOOR UNIT	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR
	EA	COOLING-HEATING SWITCHING ERROR
	E1	CIRCUIT BOARD FAULT
	E5	OL STARTED
	E6	FAULTY COMPRESSOR START UP
	E7	DC FAN MOTOR FAULT
	E8	OVERCURRENT INPUT
	F3	HIGH TEMPERATURE DISCHARGE PIPE CONTROL
	F6	HIGH PRESSURE CONTROL (IN COOLING)
	F8	OPERATION HALT DUE TO COMPRESSOR INTERNAL TEMPERATURE ABNORMALITY
	H0	SENSOR FAULT
	H6	OPERATION HALT DUE TO FAULTY POSITION DETECTION SENSOR
	H8	DC CURRENT SENSOR FAULT
	H9	FAULTY SUCTION AIR TEMPERATURE SENSOR
	J3	FAULTY DISCHARGE PIPE TEMPERATURE SENSOR
	J6	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	L3	ELECTRICAL PARTS HEAT FAULT
L4	HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK	
L5	OUTPUT OVERCURRENT	
P4	FAULTY INVERTER CIRCUIT HEATSINK TEMPERATURE SENSOR	

NOTE

- A short beep and 2 consecutive beeps indicate non-corresponding codes.
- To cancel the code display, hold  down for about 5 seconds. The code display also clears if no button is pressed for 1 minute.

Quick Reference



Explained by the HEAT PUMP model

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 Minato-ku, Tokyo, 108-0075 Japan
<http://www.daikin.com>



The two-dimensional bar code is a manufacturing code.

3P472684-2 M16B249 (1706) HT