



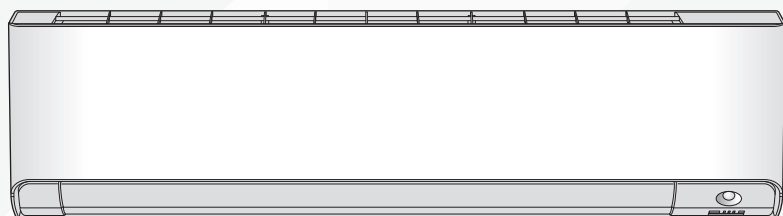
DAIKIN ROOM AIR CONDITIONER

OPERATION MANUAL

English

Français

Español



Enjoy year-round comfort.

MODELS

FTXV30AVJU9

FTXV36AVJU9

Features

Enhanced comfort and energy savings



INTELLIGENT EYE

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

▶ Page 15



WEEKLY TIMER

Up to 4 timer settings can be saved for each day of the week according to your family's lifestyle. The WEEKLY TIMER allows you to set on / off times and the desired temperature. ▶ Page 23

Other functions



COMFORT AIRFLOW

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



QUIET OUTDOOR UNIT

QUIET OUTDOOR UNIT operation assures a lower noise level of the outdoor unit. This function is useful to maintain a quiet neighborhood.




▶ Page 19

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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 19

Safety Considerations





Refer also to the General Safety Considerations in the separate booklet.

	<p>Read the precautions in this manual carefully before operating the unit.</p>
	<p>This appliance is filled with R32.</p>

Read these **Safety Considerations for Operations** carefully before operating an air conditioner or heat pump.

Make sure that the unit operates properly during the startup operation. Instruct the user on how to operate and maintain the unit. Inform users that they should store this operation manual with the installation manual for future reference.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

-  **DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
-  **NOTE** Indicates situations that may result in equipment or property-damage accidents only.

DANGER

- Do not install the unit in an area where flammable materials are present due to risk of explosion resulting in serious injury or death.
- Any abnormalities in the operation of the air conditioner or heat pump, such as smoke or fire, could result in severe injury or death. Turn off the power and contact your dealer immediately.
- Refrigerant gas may produce toxic gas if it comes into contact with fire, such as from a fan heater, stove, or cooking device. Exposure to this gas could cause severe injury or death.
- For refrigerant leakage, consult your dealer. Refrigerant gas is heavier than air and replaces oxygen. A massive leak could lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.
- If equipment utilizing a burner is used in the same room as the air conditioner or heat pump, there is the danger of oxygen deficiency which could lead to an asphyxiation hazard resulting in serious injury or death. Be sure to ventilate the room sufficiently to avoid this hazard.
- Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts, may cause stabs or other injuries.

- Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags face the danger of death by suffocation.

WARNING

- Contact your dealer for repair and maintenance. Improper repair and maintenance may result in water leakage, electric shock, and fire. Only use accessories made by Daikin that are specifically designed for use with the equipment and have them installed by a professional.
- Contact your dealer to move and reinstall the air conditioner or heat pump. Incomplete installation may result in water leakage, electric shock, and fire.
- Never let the indoor unit or the remote controller get wet. Water can cause an electric shock or a fire.
- Never use flammable spray such as hair spray, lacquer, or paint near the unit. Flammable spray may cause a fire.
- When a fuse blows out, never replace it with one of incorrect ampere ratings or different wires. Always replace any blown fuse with a fuse of the same specification.
- Never remove the fan guard of the unit. A fan rotating at high speed without the fan guard is very dangerous.
- Never inspect or service the unit by yourself. Contact a qualified service person to perform this work.
- Turn off all electrical power before doing any maintenance to avoid the risk of serious electric shock; never sprinkle or spill water or liquids on the unit.
- Do not touch the switch with wet fingers. Touching a switch with wet fingers can cause electric shock.
- Do not allow children to play on or around the unit to prevent injury.
- The heat exchanger fins are sharp enough to cut. To avoid injury wear gloves or cover the fins while working around them.
- Do not put a finger or other objects into the air inlet or air outlet. The fan is rotating at high speed and will cause injury.
- Check the unit foundation for damage on a continuous basis, especially if it has been in use for a long time. If left in a damaged condition the unit may fall and cause injury.
- Placing a flower vase or other containers with water or other liquids on the unit could cause a shock or fire if a spill occurs.
- Do not touch the air outlet or horizontal blades while the swing flap is in operation because fingers could get caught and injured.
- Never touch the internal parts of the controller. Do not remove the front panel because some parts inside are dangerous to touch. To check and adjust internal parts, contact your dealer.
- 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 odor.

⚠ CAUTION

- Do not use the air conditioner or heat pump for any other purposes other than comfort cooling or heating. Do not use the unit for cooling precision instruments, food, plants, animals or works of art.
- Do not place items under the indoor unit as they may be damaged by condensates that may form if the humidity is above 80% or if the drain outlet gets blocked.
- Before cleaning, stop the operation of the unit by turning the power off or by pulling the supply cord out from its receptacle. Otherwise, an electric shock and injury may result.
- Do not wash the air conditioner or heat pump with excessive water. An electric shock or fire may result.
- Avoid placing the controller in a spot which may be splashed with water. Water entering the controller may cause an electric shock or damage the internal electronic parts.
- Do not operate the air conditioner or heat pump when using a room-fumigation type of insecticide. Failure to observe this could cause the chemicals to be deposited in the unit and can endanger the health of those who are hypersensitive to chemicals.
- Do not turn off the power immediately after stopping operation. Always wait for at least 5 minutes before turning off the power. Otherwise, water leakage may occur.
- The appliance is not intended for use by young children or infirm persons without supervision.
- The remote controller should be kept away from children so they cannot play with it.
- Consult with the installation contractor for cleaning.
- Incorrect cleaning of the inside of the air conditioner or heat pump could make the plastics parts break and cause water leakage or electric shock.
- Do not touch the air inlet or aluminum fin of the air conditioner or heat pump as they can cut and cause injury.
- Do not place objects in direct proximity of the outdoor unit. 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, animals can cause the unit to malfunction, and cause smoke or fire when they make contact with electrical parts.
- Do not wipe the controller operation panel with benzene, thinner, chemical dust cloth, etc. The panel may get discolored or the coating can peel off. If it is heavily dirty, soak a cloth in a water-diluted neutral detergent, squeeze it well and wipe the panel clean. Then wipe it with another dry cloth.
- Dismantling of the unit, disposal of the refrigerant, oil, and additional parts, should be done in accordance with the relevant local, state, and national regulations.
- Operate the air conditioner or heat pump in a sufficiently ventilated area and not surrounded by obstacles. Do not use the air conditioner or heat pump in the following places.
 - a. Places with a mist of mineral oil, such as cutting oil.
 - b. Locations such as coastal areas where there is a lot of salt in the air.
 - c. Locations such as hot springs where there is a lot of sulfur in the air.
 - d. Locations such as factories where the power voltage varies a lot.
 - e. In cars, boats, and other vehicles.
 - f. Locations such as kitchens where oil may splatter or where there is steam in the air.
 - g. Locations where equipment produces electromagnetic waves.
 - h. Places with an acid or alkaline mist.
 - i. Places where fallen leaves can accumulate or where weeds can grow.
- Take snow protection measures. Contact your dealer for the details of snow protection measures, such as the use of a snow protection hood.
- Do not attempt to do electrical work or grounding work unless you are licensed to do so. Consult with your dealer for electrical work and grounding work.
- Pay attention to operating sound. Be sure to use the following places:
 - a. Places that can sufficiently withstand the weight of the air conditioner or heat pump yet can suppress the operating sound and vibration.
 - b. Places where warm air from the air outlet of the outdoor unit or the operating sound of the outdoor unit does not annoy neighbors.
- Make sure that there are no obstacles close to the outdoor unit. Obstacles close to the outdoor unit may drop the performance of the outdoor unit or increase the operating sound of the outdoor unit.
- Consult your dealer if the air conditioner or heat pump in operation generates unusual noise.
- Make sure that the drainpipe is installed properly to drain water. If no water is discharged from the drainpipe while the air conditioner or heat pump is in the cooling mode, the drainpipe may be clogged with dust or dirt and water leakage from the indoor unit may occur. Stop operating the air conditioner or heat pump and contact your dealer.
- Do not spray the air conditioner unit with any deodorizers, etc. It may cause the unit to malfunction.

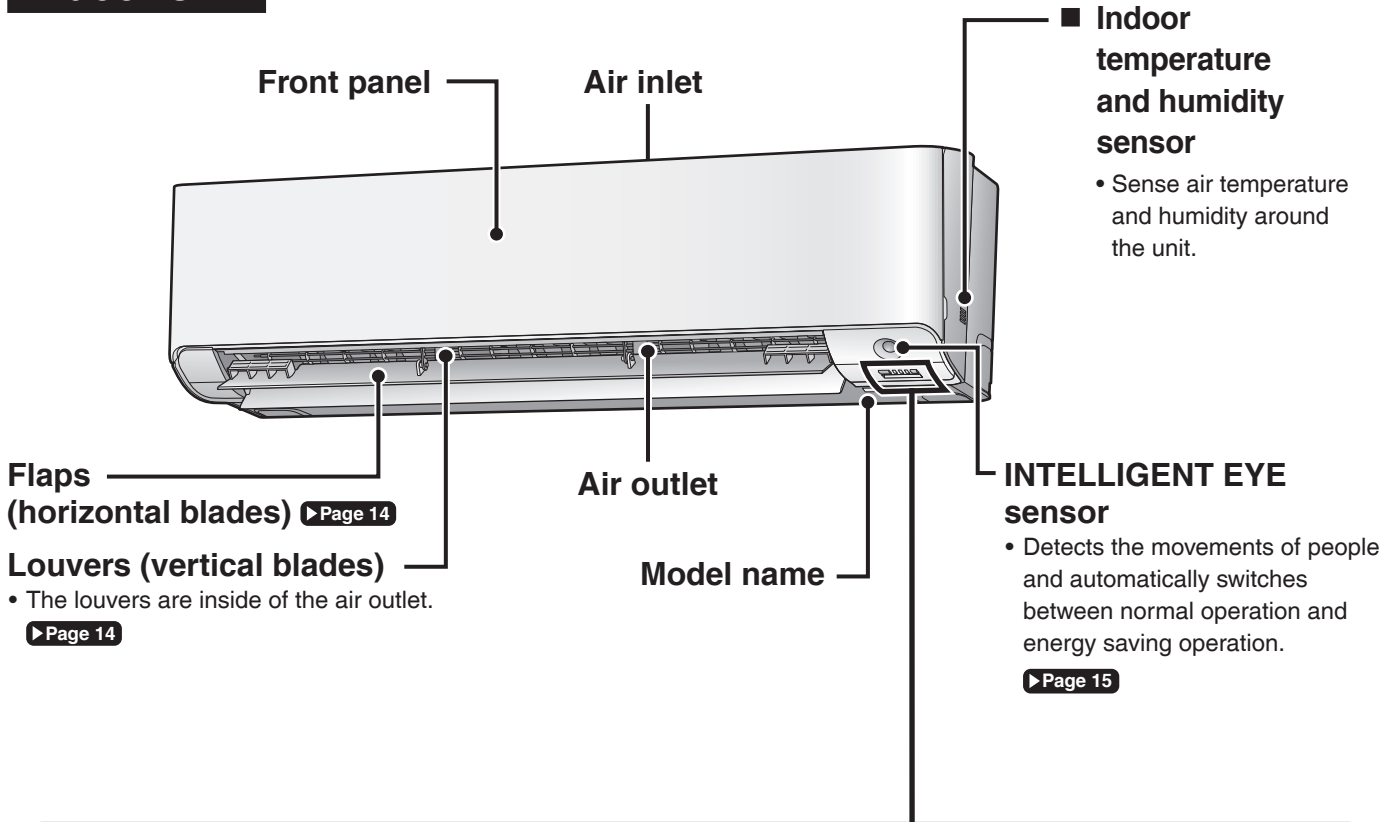
⚠ NOTE

- Never press the button of the remote controller with a hard, pointed object. The remote controller may be damaged.
- Never pull or twist the electric wire of the remote controller. It may cause the unit to malfunction.
- Do not place appliances that produce open flames in places that are exposed to the airflow of the unit or under the indoor unit. It may cause incomplete combustion or deformation of the unit due to the heat.
- Do not expose the controller to direct sunlight. The LCD display can become discolored and may fail to display the data.

FTP003M(R32)-U

Names of Parts

Indoor Unit



Display

TIMER lamp (Orange)

▶Page 20-22, 25, 27

Indoor unit ON / OFF switch and OPERATION lamp (Green)

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

Model	Mode	Temperature setting	Airflow rate
HEAT PUMP	AUTO	77 °F (25.0 °C)	AUTO
COOLING ONLY	COOL	72 °F (22.0 °C)	AUTO

INTELLIGENT EYE lamp (Green)

▶Page 15

Signal receiver

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

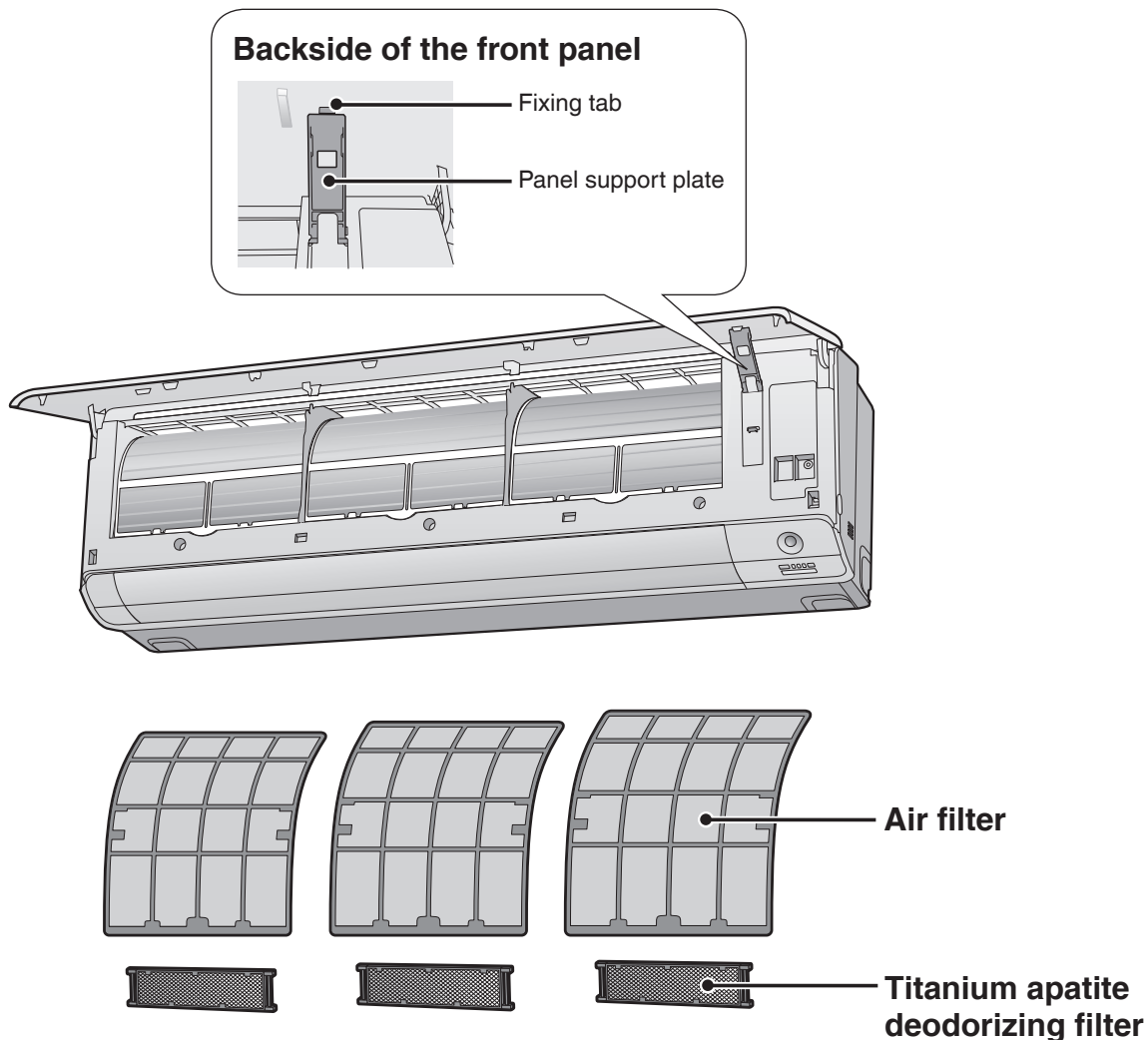
Case	Sound type
Operation start	beep-beep
Setting change	beep
Operation stop	long beep

- This switch can be used when the remote controller is missing or out of batteries.

List of lamps

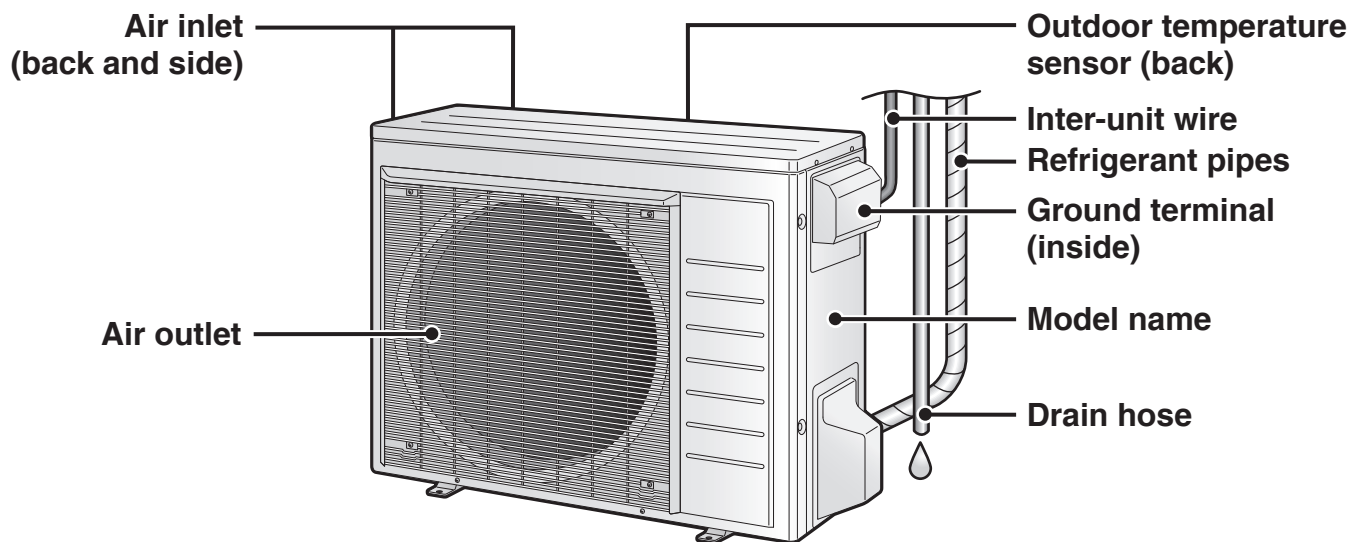
Lamp	Color	State	Description
OPERATION lamp	Green	Lights up	The air conditioner is running.
		Blinks	Check the error code.
TIMER lamp	Orange	Lights up	TIMER is set. ▶Page 20-22, 25, 27
INTELLIGENT EYE lamp	Green	Lights up	INTELLIGENT EYE operation. ▶Page 15

■ Open the front panel



Outdoor Unit

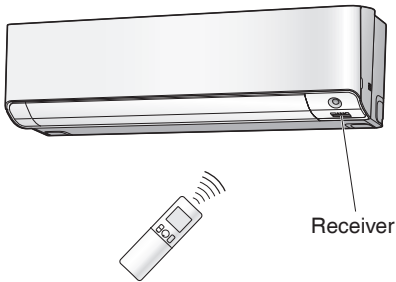
• The appearance of the outdoor unit may differ between different models.



Names of Parts

Remote Controller

Signal transmitter



Receiver

- To use the remote controller, aim the transmitter at the indoor unit. If there is anything blocking the signals between the unit and the remote controller, such as a curtain, the unit may not operate.
- The maximum transmission distance is about 23 ft (7 m).

FAN setting button

- Selects the airflow rate setting.

▶ Page 13

POWERFUL button

- POWERFUL operation.

▶ Page 18

Display (LCD)

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

TEMPERATURE adjustment button

- Changes the temperature setting.

▶ Page 12

ON / OFF button

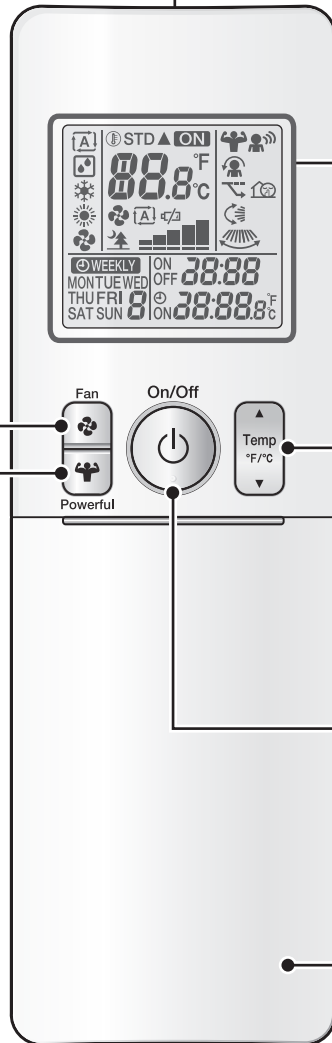
- Press this button once to start operation.

Press once again to stop it. ▶ Page 11

Front cover

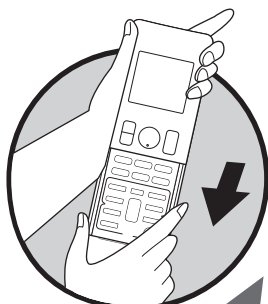
- Open the front cover.

▶ Page 8



ARC466A92

■ Open the front cover



MODE selector button

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

▶ Page 11

ECONO / QUIET button

- ECONO / QUIET OUTDOOR UNIT operation. ▶ Page 19

SWING button and MENU button

SWING button

- Adjusts the airflow direction. ▶ Page 14

MENU button (push 2 seconds)

- Adjusting the brightness of indoor unit LED lamps. ▶ Page 30
- Setting airflow when indoor unit reaches setpoint. ▶ Page 31

Weekly

◀ : WEEKLY button

◊ : PROGRAM button

Copy

▶ : COPY button

Back

◀ : BACK button

Next

▶ : NEXT button

- WEEKLY TIMER operation. ▶ Page 23

ON TIMER button

▶ Page 20

CLOCK button

▶ Page 10

SENSOR button

- INTELLIGENT EYE operation. ▶ Page 15

COMFORT button

- COMFORT AIRFLOW operation. ▶ Page 17

OFF TIMER button (NIGHT SET mode)

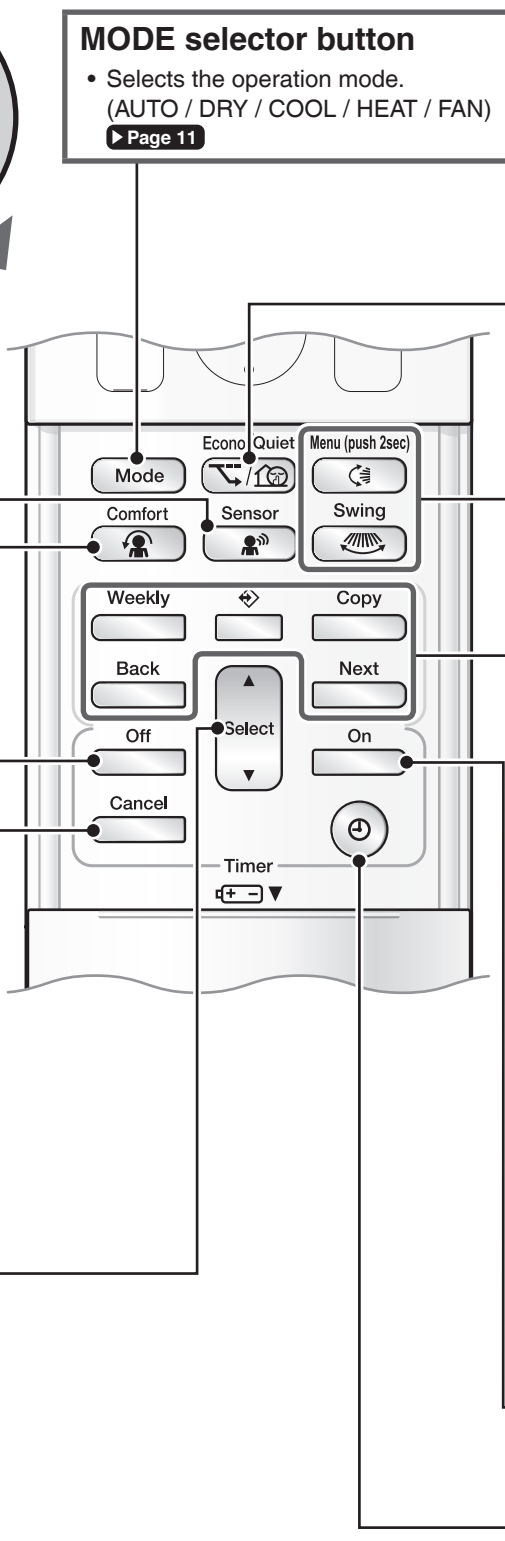
▶ Page 21

TIMER CANCEL button

- Cancels the timer setting. ▶ Page 20, 21
- Cannot be used for the WEEKLY TIMER operation.

SELECT button

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



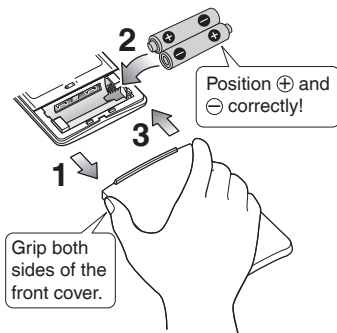
Preparation Before Operation

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.

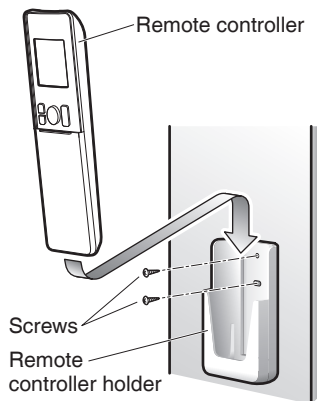


To insert the batteries

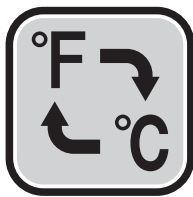
1. Slide the front cover to take it off.
2. Insert 2 dry batteries AAA.LR03 (alkaline).
3. Replace the front cover.

To attach the remote controller holder to a wall

1. Choose a place 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.



Fahrenheit / Celsius display switch



Press  and  (TIMER button) simultaneously for about 5 seconds.

- The temperature will be displayed in Celsius when it is presently displayed in Fahrenheit, and vice versa.
- The switch operation is only possible when the temperature is being displayed.
- A reception sound will go off for the transmission of set temperature to the indoor unit at the time of setting the Fahrenheit / Celsius display change function.

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 dry batteries AAA.LR03 (alkaline).
- When battery power has run out, "battery mark" will begin blinking on the LCD as an alert that the batteries need replacing. In some cases, when battery consumption is accelerated due to 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.

Notes on remote controller

- Do not drop the remote controller. Do not get it wet.
- If dirt becomes an issue, wipe with a soft dry cloth.



Turn on the circuit breaker

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

To set the clock

1. Press .



“0:00” is displayed on the LCD.
“MON” and “” blink.

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



Display	Day of the week
MON	Monday
TUE	Tuesday
WED	Wednesday
THU	Thursday
FRI	Friday
SAT	Saturday
SUN	Sunday

3. Press .



“” blinks.

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

- Holding down  or  increases or decreases the displayed time.

5. Press .

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



“.” blinks.

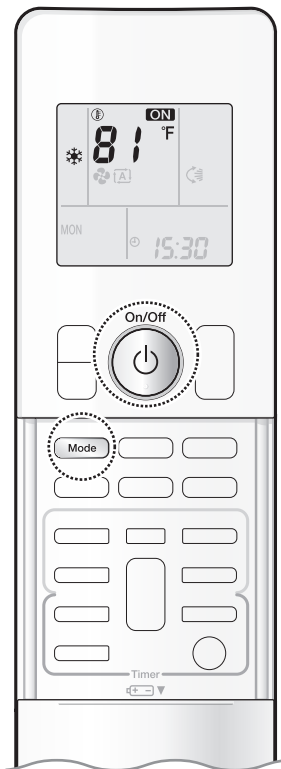
NOTE

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

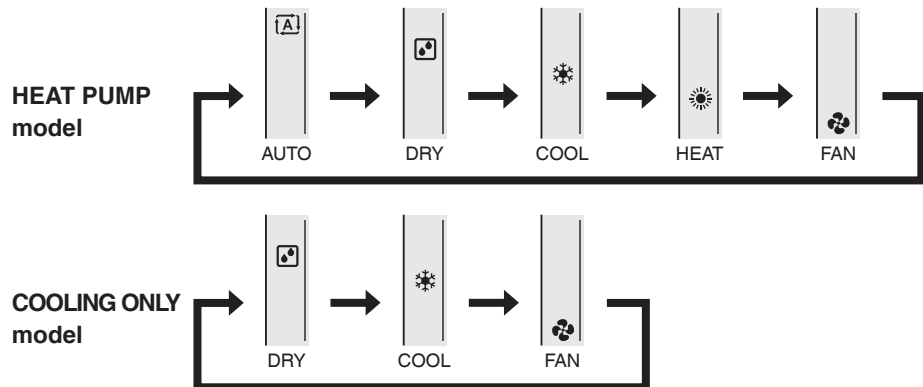


The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

To start operation

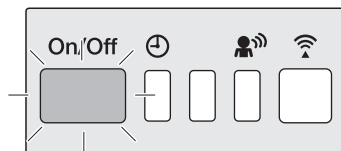
1. Press and select an operation mode.

- 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

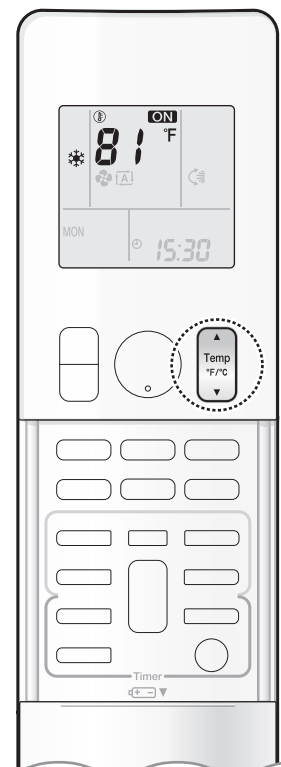
Notes on AUTO operation

- 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. Each pressing of the button changes the temperature by 1 °F (0.5 °C).

COOL operation	HEAT operation	AUTO operation	DRY/FAN operation
64-90 °F (18.0-32.0 °C)	50-86 °F (10.0-30.0 °C)	64-86 °F (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: 79-82 °F (26.0-28.0 °C)
 - For heating: 68-75 °F (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 33](#)

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.






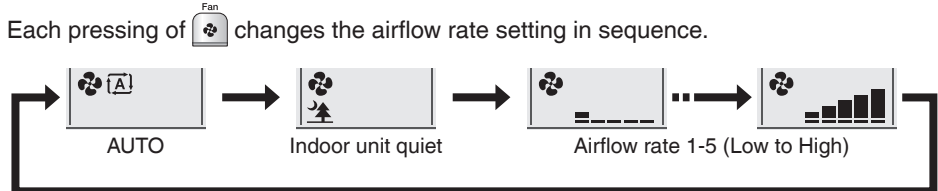
Adjusting the Airflow Rate


You can adjust the airflow rate to increase your comfort.



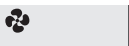

To adjust the airflow rate setting

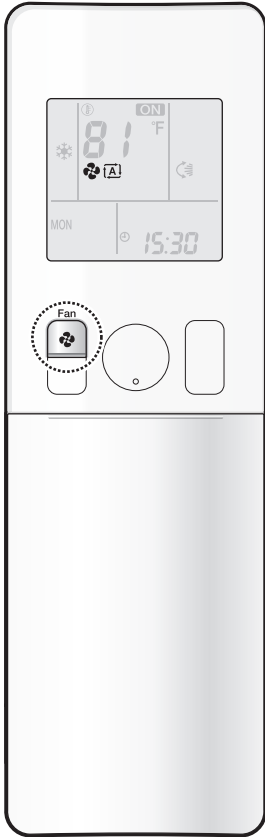
Press .

- 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.

AUTO, COOL, HEAT and FAN operation			DRY operation
			The airflow rate setting cannot be changed.
			



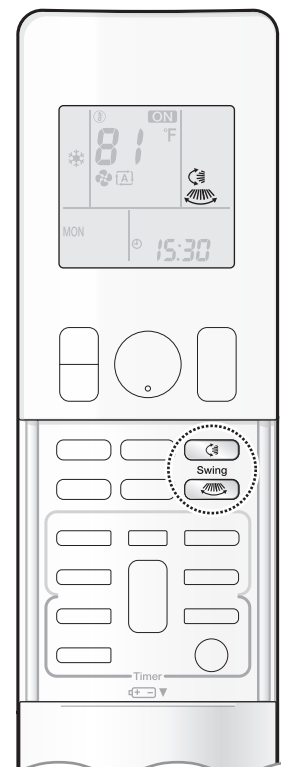
NOTE

Note on airflow rate setting

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



Adjusting the Airflow Direction



You can adjust the airflow direction to increase your comfort.

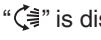
⚠ CAUTION

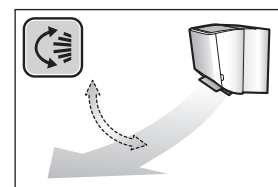
- Always use a remote controller to adjust the angles of the flaps and louvers.
 - If you attempt to move the flaps and louvers forcibly by hand when they are swinging, the mechanism may be damaged.
 - Inside the air outlet, a fan is rotating at a high speed.

To start auto swing

Up and down airflow direction


Press .

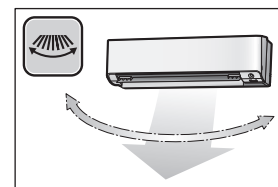
- “” is displayed on the LCD.
- The flaps (horizontal blades) will begin to swing.



Right and left airflow direction

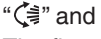



Press .

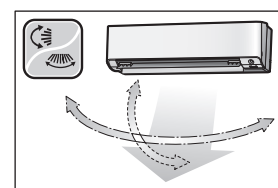
- “” is displayed on the LCD.
- The louvers (vertical blades) will begin to swing.



The 3-D airflow direction

Press  and .

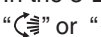
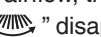
- “” and “” are displayed on the LCD.
- The flaps and louvers move in turn.
- To cancel 3-D airflow, press either  or  again. The flaps or louvers will stop moving.



To set the flaps or louvers at the desired position

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

Press  and  when the flaps or louvers reach the desired position.

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

NOTE

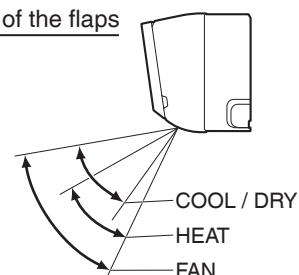
Notes on airflow direction setting

- The movable range of the flaps varies according to the operation mode.
- If the airflow rate becomes weak during operation, the flaps and louvers will stop. When up and down airflow direction is set, the flaps will stop in an upward position.
- When the airflow rate setting is low, or when 3-D airflow direction is set, the room temperature may not reach the set temperature (for example, if the air conditioner is blowing air toward the wall). In that case, change the airflow direction or the airflow rate.

Note on 3-D airflow

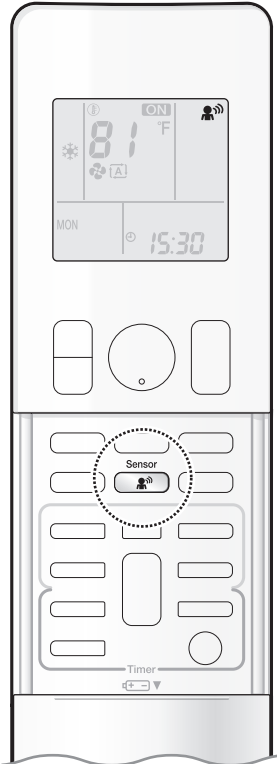
- Using 3-D airflow circulates cold air, which tends to be collected at the bottom of the room, and hot air, which tends to collect near the ceiling, throughout the room, preventing areas of cold and hot developing.

Movable range of the flaps





INTELLIGENT EYE Operation




The INTELLIGENT EYE operation detects human movement. If no one is detected in the room for more than 20 minutes, the unit automatically enters energy saving operation.

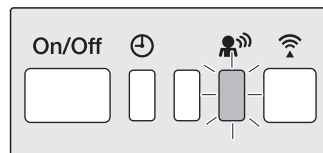
⚠ CAUTION

- 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.

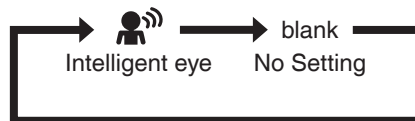
To start INTELLIGENT EYE operation

▶ 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



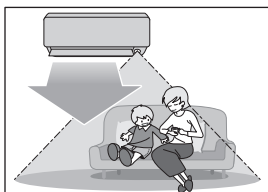
To cancel INTELLIGENT EYE operation

▶ Press  button.

- The INTELLIGENT EYE lamp goes off.

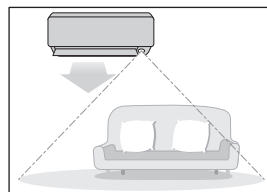
INTELLIGENT EYE operation is useful for energy saving

■ People are detected in the sensing area.



The air conditioner is in normal operation while the sensor is detecting human movement.

■ No people are detected in the sensing area.



The air conditioner will switch to energy-saving mode after 20 minutes.

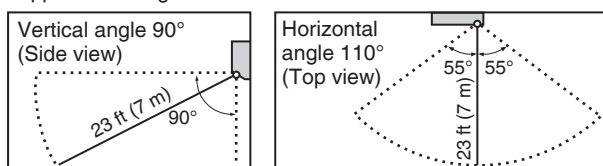
Energy saving operation

- If no presence 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 $-3.6\text{ }^{\circ}\text{F}$ ($-2.0\text{ }^{\circ}\text{C}$) in HEAT / $+3.6\text{ }^{\circ}\text{F}$ ($+2.0\text{ }^{\circ}\text{C}$) in COOL / $+3.6\text{ }^{\circ}\text{F}$ ($+2.0\text{ }^{\circ}\text{C}$) in DRY operation from the set temperature.
When the room temperature exceeds $86\text{ }^{\circ}\text{F}$ ($30.0\text{ }^{\circ}\text{C}$), the operation changes the temperature by $+1.8\text{ }^{\circ}\text{F}$ ($+1.0\text{ }^{\circ}\text{C}$) in COOL / $+1.8\text{ }^{\circ}\text{F}$ ($+1.0\text{ }^{\circ}\text{C}$) in DRY operation from the set temperature.
- This operation decreases the airflow rate slightly in FAN operation only.

NOTE

Notes on INTELLIGENT EYE operation

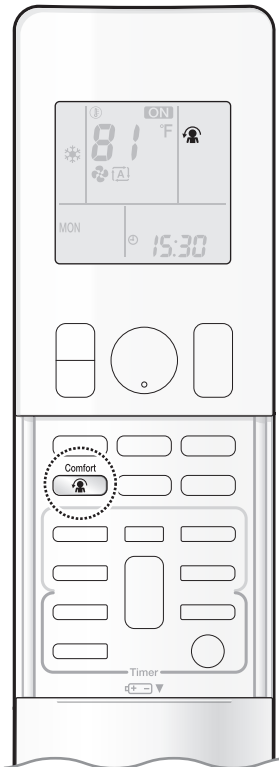
- Application range is as follows.



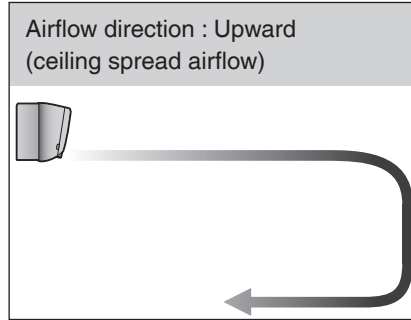
- The air conditioner may switch to the energy-saving operation even if there are people in the areas.
This may occur depending on the clothes the people are wearing, if there is no movement of the people in the areas.
- The sensor could also mistakenly detect pets, sunlight, fluttering curtains and light reflected off of mirrors as passers-by.
- The sensor may not detect moving objects further than 23 ft (7 m) away. (Please see the application range)
- Sensor detection sensitivity changes according to the indoor unit location, the speed of passers-by, temperature range, etc.
- NIGHT SET mode (▶ Page 21) will not switch on during use of INTELLIGENT EYE operation.



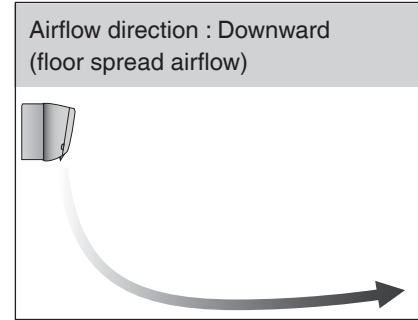
COMFORT AIRFLOW Operation



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



COOL and DRY operation



HEAT operation

To start COMFORT AIRFLOW operation


Press **Comfort** .

- “” appears on the LCD.

	COOL and DRY operation	HEAT operation	FAN operation
Flaps direction	Goes up	Goes down	Not available
Airflow rate	AUTO		

To cancel COMFORT AIRFLOW operation

Press **Comfort**  again.

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

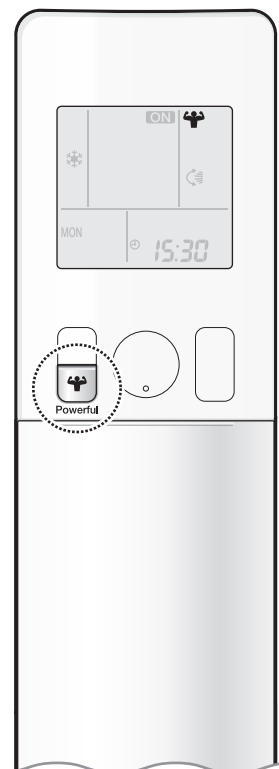
NOTE

Notes on COMFORT AIRFLOW Operation

- POWERFUL operation and COMFORT AIRFLOW operation cannot be used at the same time.
- The airflow rate will be set to AUTO.
- If the upward and downward airflow direction is selected, the COMFORT AIRFLOW function will be canceled. Priority is given to the function of whichever button is pressed last.
- If there is an obstruction under the air conditioner when using heating, the airflow may not reach the center of the room and the room may be difficult to warm up.




POWERFUL Operation



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

To start POWERFUL operation

Press  during operation.

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



To cancel POWERFUL operation

Press  again.

- “” disappears from the LCD.

NOTE

Notes on POWERFUL operation

- Pressing  causes the settings to be canceled, and “” disappears from the LCD.
- POWERFUL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.
 - In COOL, HEAT and AUTO operation
To maximize 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 5 °F (2.5 °C) and the airflow rate is slightly increased.
 - In FAN operation
The airflow rate is fixed at the maximum setting.

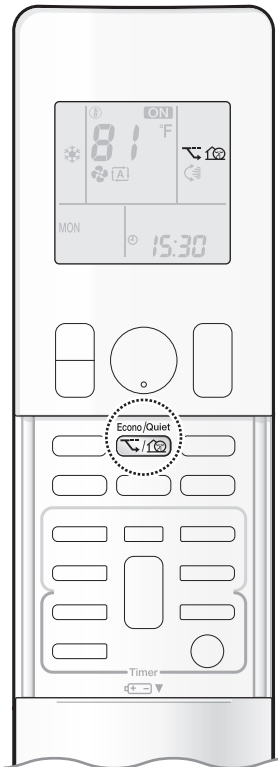
Regarding the combination of POWERFUL and other operations

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

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



ECONO / QUIET OUTDOOR UNIT 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.

QUIET OUTDOOR UNIT 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

- This operation is performed with lower power and therefore may not provide a sufficient cooling (heating) effect.
- Pressing causes the settings to be canceled, 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 QUIET OUTDOOR UNIT operation

- Even if the operation is stopped by using the remote controller or the indoor unit ON / OFF switch when using QUIET OUTDOOR UNIT operation, “” will remain displayed on the remote controller.
- QUIET OUTDOOR UNIT 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.

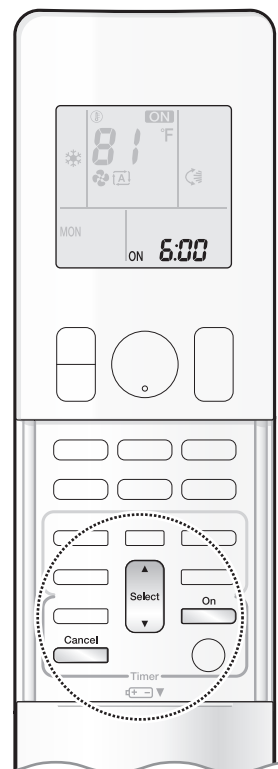
Possible combinations of ECONO / QUIET OUTDOOR UNIT operation and basic operations

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



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](#)

1. Press .



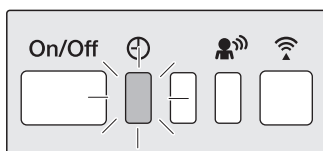
- “⌚” and day of the week disappear from the LCD.

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 or increases or decreases the displayed time.

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

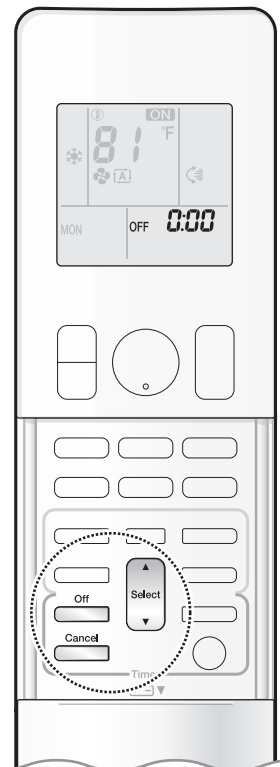
- When TIMER is set, the present time is not displayed.
- When using the ON / OFF TIMER to start / stop operation, the actual operation start / stop time may differ from the time set. (Maximum of about 10 minutes)
- The ON / OFF TIMER remembers the time set previously.
- The ON TIMER will begin operation in the settings used previously for operation mode, temperature, airflow rate, and airflow direction.

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.



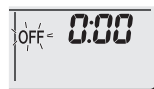
ON / OFF TIMER Operation



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

1. Press .



“ 0:00 ” is displayed on the LCD.
“ OFF ” blinks.

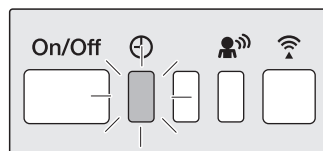
- “ ⌚ ” and day of the week disappear from the LCD.

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

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

3. Press again.

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



Display

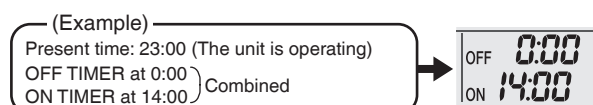
To cancel OFF TIMER operation

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

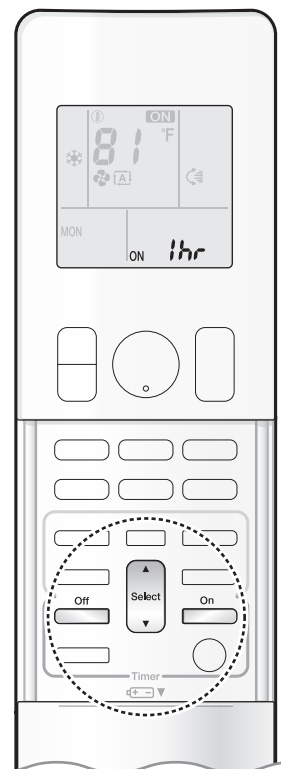
- A sample setting for combining the 2 timers is shown below.



NOTE



NIGHT SET mode

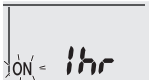
- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.9 °F (0.5 °C) up in COOL, 3.6 °F (2.0 °C) down in HEAT) to prevent excessive cooling (heating) during sleeping hours.

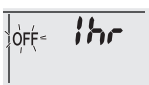


To use the ON / OFF TIMER with an hours remaining display (COUNT UP-DOWN ON / OFF TIMER)

- 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 the signal indicator (▲) blinks, release your finger from the button.

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



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

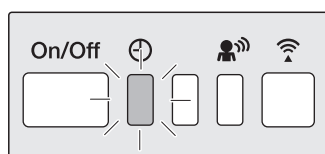
- “⌚” and day of the week disappear from the LCD.

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” and “OFF”, and setting time appear on the LCD.
- The TIMER lamp lights orange.
- 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 20, 21](#)
- Timer display mode cannot be changed while “ON” or “OFF” are blinking.
 Press  or  to stop the blinking.



Display

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.

(Example)

Present time: 22:00 [unit is operating]
 OFF TIMER at 1:00 (3 hours after present time)
 ON TIMER at 6:00 (8 hours after present time)) Combined



NOTE

Note 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

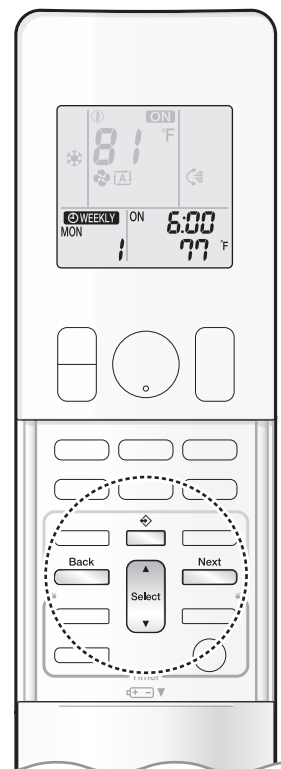
Up to 4 timer settings can be saved for each day of the week. This is convenient to adapt the WEEKLY TIMER to your family's life style.

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 programs 1-4. ▶ Page 24</p> <p>program 1 program 2 program 3 program 4</p> <p>ON OFF ON OFF</p> <p>6:00 8:30 17:30 22:00</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 26</p> <p>program 1 program 2 program 3 program 4</p> <p>ON OFF ON OFF</p> <p>6:00 8:30 17:30 22:00</p>
<p>[Saturday]</p>	<p>No timer settings</p>
<p>[Sunday]</p>	<p>Make timer settings for programs 1-4. ▶ Page 24</p> <p>program 1 program 2 program 3 program 4</p> <p>ON OFF OFF ON</p> <p>8:00 10:00 19:00 21:00</p>

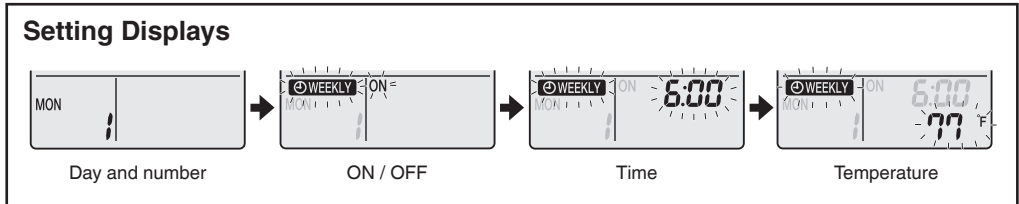
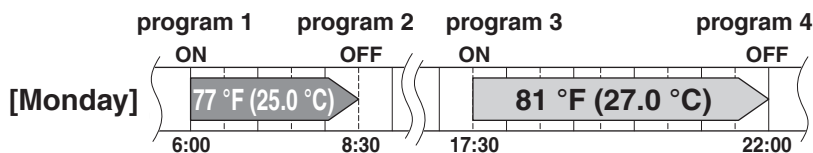
- Up to 4 reservations per day and 28 reservations per week can be set using the WEEKLY TIMER. The effective use of the copy mode simplifies timer programming.
- The use of ON-ON-ON-ON settings, for example, makes it possible to schedule operating mode and set temperature changes. Furthermore, by using 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.



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**



1. Press [Select].

- 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 [Select] to select the desired day of the week and reservation number.

- Pressing [Select] changes the reservation number and the day of the week.

3. Press [Next].

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

4. Press [Select] to select the desired mode.

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



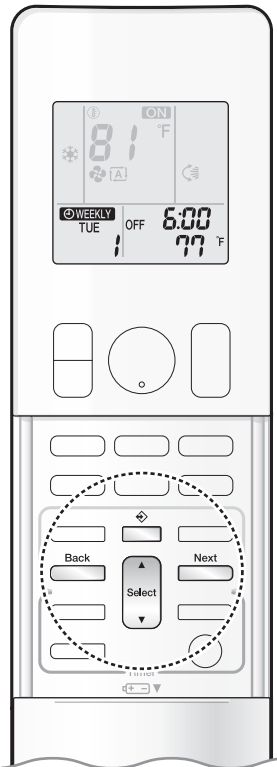
- In case the reservation has already been set, selecting “blank” deletes the reservation.
- Proceed to **STEP 9** if “blank” is selected.
- To return to the day of the week and reservation number setting, press [Back].

5. Press [Next].


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




WEEKLY TIMER Operation






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 .

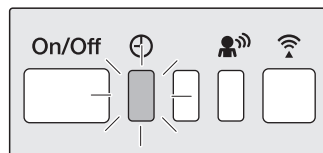
- The time will be set.
- “ WEEKLY” and the temperature blink.

8. Press to select the desired temperature.

- The temperature can be set between 50 °F (10.0 °C) and 90 °F (32.0 °C).
COOL or AUTO: The unit operates at 64 °F (18.0 °C) even if it is set at 50 °F (10.0 °C) to 63 °F (17.0 °C). 
- HEAT or AUTO : The unit operates at 86 °F (30.0 °C) even if it is set at 87 °F (30.5 °C) to 90 °F (32.0 °C). 
- 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

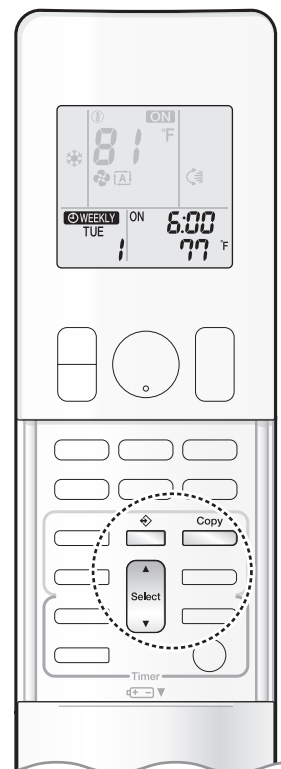
10. Press to complete the setting.

- “ 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**. 

NOTE

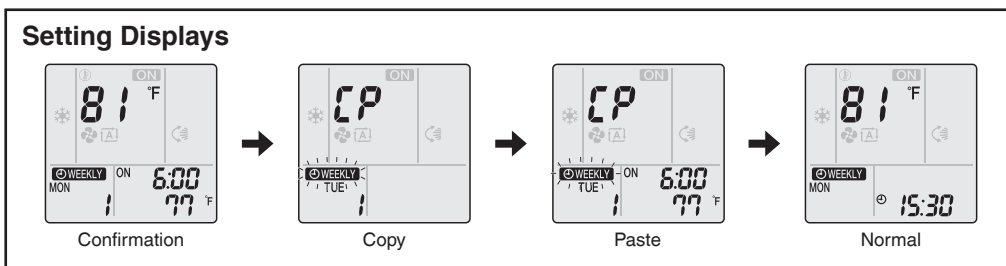
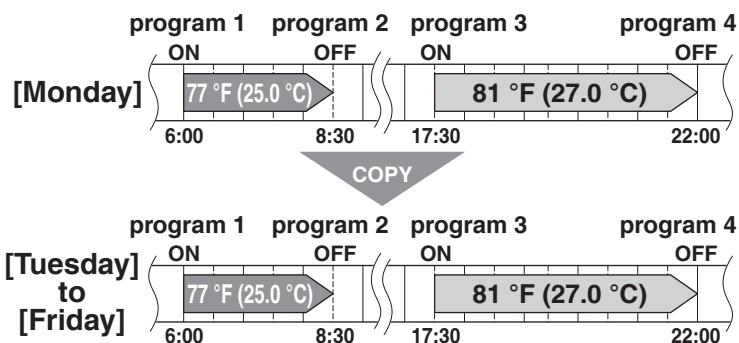
Notes on WEEKLY TIMER operation

- Do not forget to set the clock on the remote controller first. 
- 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. 
-  can be used only for the time and temperature settings. It cannot be used to go back to the reservation number.



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.



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.

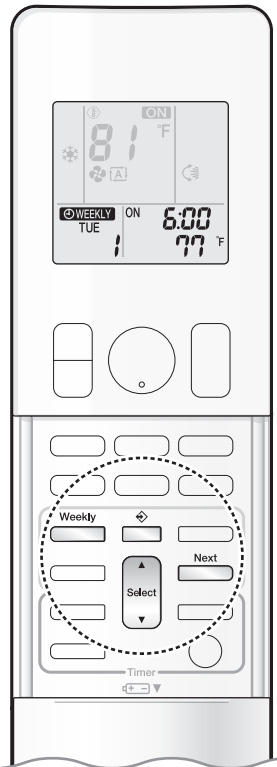
NOTE

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 24**

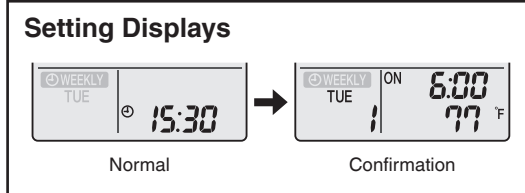


WEEKLY TIMER Operation



Confirming a reservation

- The reservation can be confirmed.



1. Press .

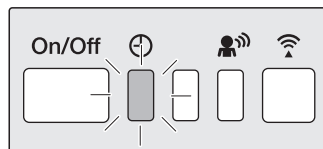
- The day of the week and the reservation number of the current day will be displayed.

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.



Display

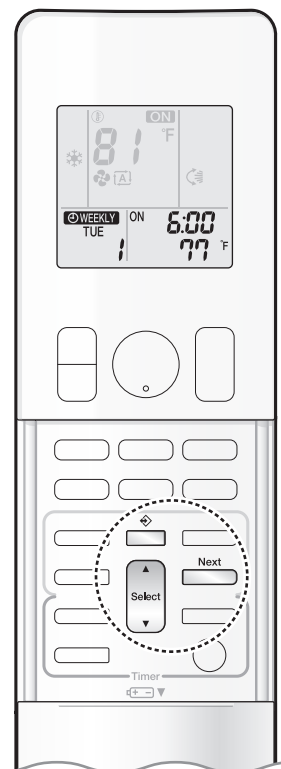
To deactivate WEEKLY TIMER operation

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.



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 .

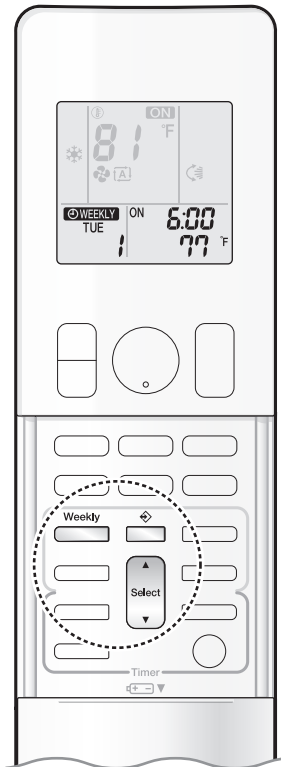
- Check for a receiving tone and that the OPERATION lamp blinks twice.
- The selected reservation will be deleted.

6. Press .

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



WEEKLY TIMER Operation



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 .

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

2. Press **to select the day of the week to be deleted.**

3. 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.

4. Press .

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

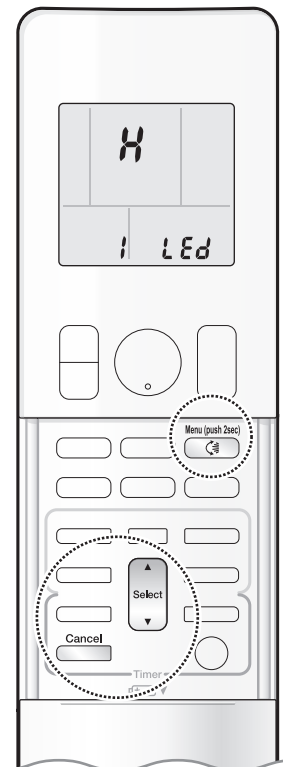
All reservations

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.

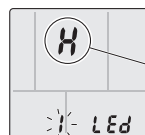
Brightness of Indoor Unit LED Lamps

Changes can be made to the setting for the brightness of the LED lamps, to suit your preferences.



1. Press  **and hold the button for 2 seconds.**

- “LED” appears on the LCD.
- “H” blinks.

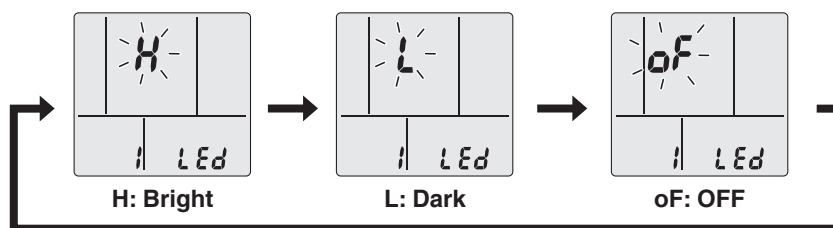



Displays the current setting (H, L or oF)

2. Press  **or**  **and select menu number 1.**

3. Press  **to confirm the selected setting.**

4. Press  **or**  **to change the setting as follows:**




Pressing  puts the sequence in reverse.

5. Press  **again.**

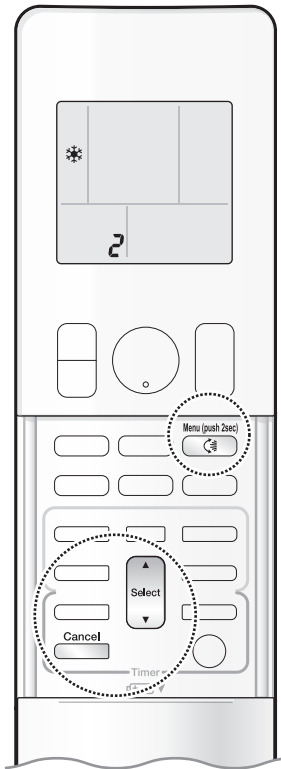
- Brightness will be set to the chosen value.

6. Press  **to return to the default screen.**

NOTE

- The display automatically returns to the default screen after 60 seconds. To return to the default screen sooner, press  twice.
- Indoor unit default setting: H (Bright)

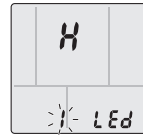
Airflow Setting When Indoor Unit Reaches Setpoint



Changes can be made to the setting for airflow rate when unit reaches desired temperature (setpoint), to suit your preferences. This function is effective when COOL operation is selected.

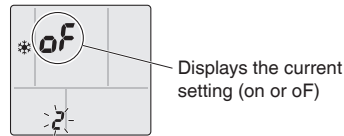
1. Press  **and hold the button for 2 seconds.**

- “LEd” appears on the LCD.
- “i” blinks.



2. Press  **or**  **and select menu number 2.**

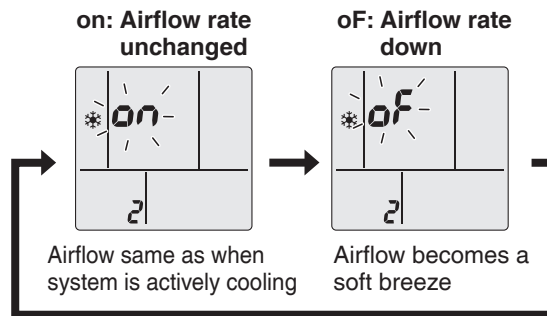
- “* ” appears on the LCD.
- “2” blinks.



3. Press  **to confirm the selected setting.**

4. Press  **or**  **and select setting option.**


- The setting option will blink.



5. Press  **again.**

6. Press  **to return to the default screen.**

NOTE

- The display automatically returns to the default screen after 60 seconds. To return to the default screen sooner, press  twice.
- Indoor unit default setting: oF (Airflow rate down)

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.
- Only neutral detergent may be used.

If dirty



Air filter

- Vacuum dust or wash the filter.

Once every 2 weeks

▶Page 33

Titanium apatite deodorizing filter

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

▶Page 34

[Replacement]

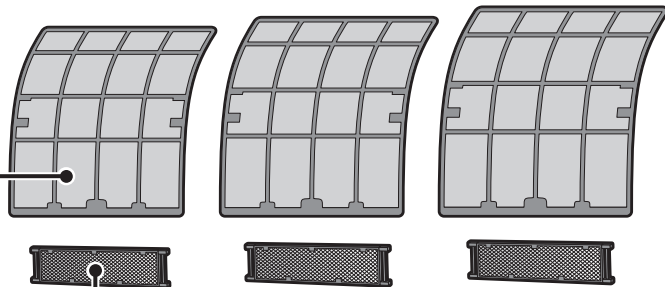
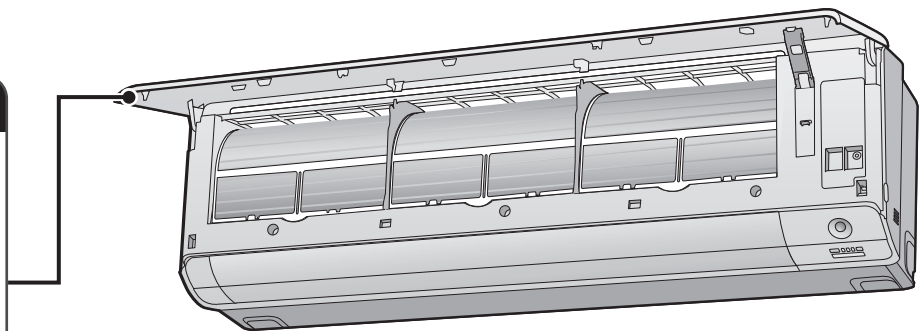
Once every 3 years

▶Page 34

Indoor unit and remote controller

- Wipe them with a soft cloth.

If dirty



NOTE

For cleaning, do not use any of the following:

- Water hotter than 104 °F (40.0 °C)
- Volatile liquid such as benzine, gasoline and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush
- Sprays such as deodorizers



Care and Cleaning

⚠ CAUTION

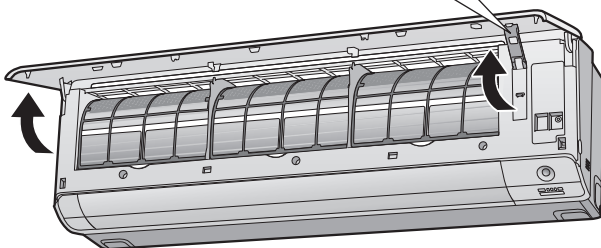
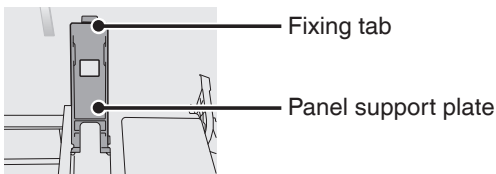
- When removing or attaching the front panel, stand on a solid, stable base and take care not to fall.
- When removing or attaching the front panel, support the panel securely with your hand to prevent it from falling.

■ Air filter

1. Open the front panel.

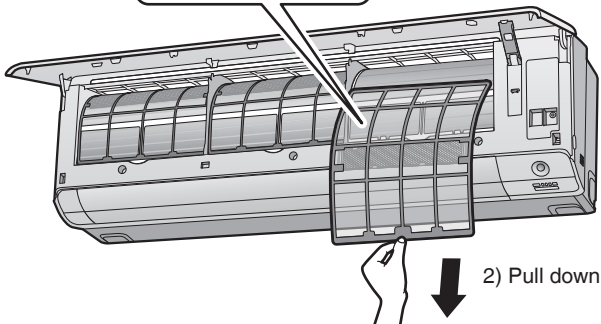
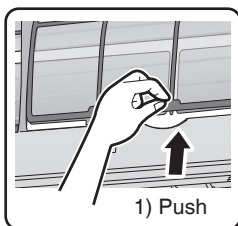
- Hold the front panel by the sides and open it.

Backside of the front panel



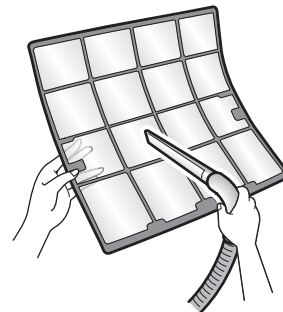
2. Pull out the air filters.

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



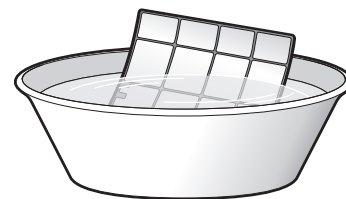
3. Wash the air filters with water or clean them with a vacuum cleaner.

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



If the dust does not come off easily

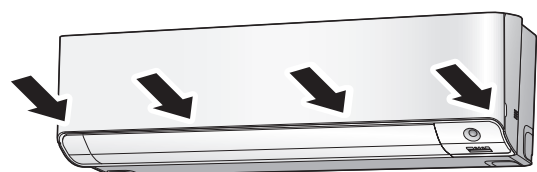
- Wash the air filters with neutral detergent thinned with lukewarm water, then dry them up in the shade.
- Be sure to remove the titanium apatite deodorizing filter. Refer to "Titanium apatite deodorizing filter". ▶ Page 34



4. Reattach the air filters.

5. Close the front panel slowly.

- Press the panel at both sides and in the central area.



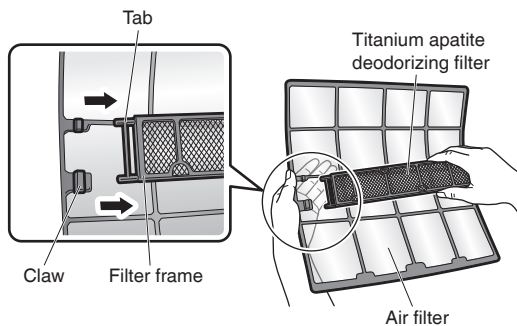
- Make sure that the front panel is securely fixed.

■ Titanium apatite deodorizing filter

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

2. Take off the titanium apatite deodorizing filters.

- Hold the recessed parts of the frame and unhook the 4 claws.
- Remove the filters from the tabs.

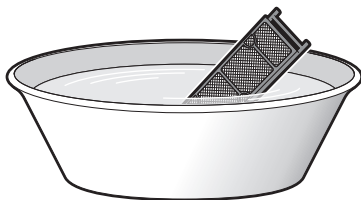


3. Clean or replace the titanium apatite deodorizing filters.

[Cleaning]

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

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



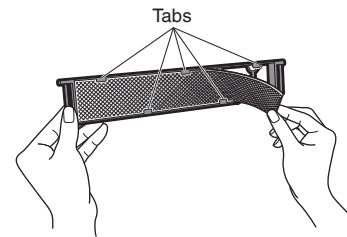
3-2 After washing, shake off remaining water and let them dry in the shade.

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

[Replacement]

Remove the filter from the filter frame and attach a new one.

- Do not throw away the filter frame. Reuse the filter frame when replacing the titanium apatite deodorizing filter.
- When attaching the filter, check that the filter is properly set in the tabs.



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

4. Set the titanium apatite deodorizing filters as they were.

- The titanium apatite deodorizing filter can be attached in any orientation.

5. Reattach the air filters. ▶Page 33

6. Close the front panel slowly.

▶Page 33

NOTE




- Operation with dirty filters:
 - cannot deodorize the air,
 - cannot clean the air,
 - results in poor heating or cooling,
 - may cause odor.
- Dispose of old filters as non-flammable waste.
- To order a titanium apatite deodorizing filter, contact the dealer where you bought the air conditioner.

Item	Titanium apatite deodorizing filter (without frame) 1 set (3 pieces)
Part No.	KAF970A48

Care and Cleaning

■ Prior to a long period of non-use

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

- 1) Press  and select “”.
- 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.

- When starting to use the air conditioner again, make sure that the drain hose outlet is not blocked, then turn on the circuit breaker.
An operational check of each component will be carried out automatically. (Also, put the batteries into 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 qualified contractor in addition to regular cleaning by the user.
- For qualified contractor maintenance, please contact the dealer where you bought the air conditioner.

FAQ

Indoor unit

The flaps do not start swinging immediately.

- The air conditioner is adjusting the position of the flaps. The flaps 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  was pressed soon after operation was stopped.
- When the mode was reselected.
 - This is to protect the air conditioner. You should wait for about 3 minutes.
- For COOLING ONLY models (outdoor unit: RK models) using facility settings
 - For the purposes of protecting the compressor, it can take up to 3 hours for operation to begin after the unit is turned on.

Outdoor unit

Operating sound is loud.

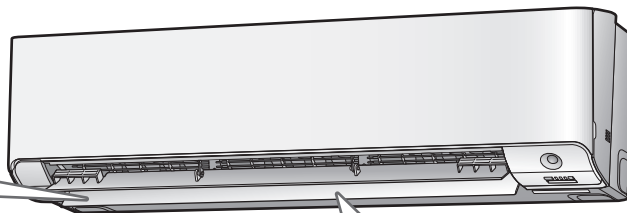
- When frost forms on the heat exchanger of the outdoor unit, the operating sound level increases slightly.

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.

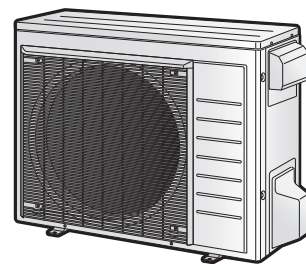
Blowing sound

- If the outdoor temperature is low, this sound is generated when the direction of the flow of the refrigerant in the piping changes at the start of defrost operation, after HEAT operation is stopped and the room temperature is stabilized.



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.
- **Blowing sound**
 - This sound is generated when the flow of the refrigerant in the air conditioner is switched over.
 - If the outdoor temperature is low, this sound is generated when the direction of the flow of the refrigerant in the piping changes at the start of defrost operation, after HEAT operation is stopped and the room temperature is stabilized.
- **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.
- **Rotating machinery causes sound**
 - Sound is heard when the vertical swing flaps and the horizontal swing flaps move.
 - When the air conditioner is operating in a quiet environment and the airflow rate of the indoor unit is set to Quiet Mode or Low Mode, the motion of the swing flaps may cause sound.



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. <p style="text-align: right;"> Page 41, 42</p>

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, 42

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"> <input checked="" type="checkbox"/> ■ In HEAT operation <ul style="list-style-type: none"> • To prevent the release of cold air, air does not come out directly after operation is started. Please wait 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 10 minutes. • When the outdoor temperature is below 40 °F (5 °C) and heating operation is started, the air conditioner is warming up. Wait for about 10 to 25 minutes.
Air does not come out / Air comes out.	<ul style="list-style-type: none"> <input type="checkbox"/> ■ 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? ■ Is the airflow rate set to AUTO in COOL operation? Or is the unit operating in DRY operation? <ul style="list-style-type: none"> • When the room temperature reaches the set temperature, the airflow rate will decrease to a gentle breeze in order to prevent over-cooling and overheating. When the room temperature deviates from the set temperature again, the gentle breeze will stop and the airflow will become stronger. Also, if the room temperature stabilizes near the set temperature, the airflow rate may repeatedly alter between strong and weak. (The unit may appear to be operating and stopping repeatedly, but this is not the case.)
Air comes out.	<ul style="list-style-type: none"> <input type="checkbox"/> • Is there any furniture directly under or beside the indoor unit? • Is the air conditioner in ECONO operation or QUIET OUTDOOR UNIT operation? ▶ Page 19 • 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? • Depending on the room conditions, number of occupants, or outdoor temperature and humidity, the set temperature may not be reached.
The room temperature does not reach the set temperature.	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> • If the air coming out of the air conditioner is blowing against a wall, the set temperature may not be reached correctly.

Water or mist comes out

Case	Description / what to check
Mist comes out of the indoor unit.	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> • This happens when the air in the room is cooled into mist by the cold airflow during COOL or other operation.
Water is leaking from the indoor unit.	<ul style="list-style-type: none"> <input type="checkbox"/> • If the drain hose is crushed or clogged, water from the indoor unit may be unable to drain and start leaking. Stop operation of the unit immediately and contact your dealer.

Troubleshooting

Remote controller

Case	Description / what to check
The unit does not receive signals from the remote controller or has a limited operating range.	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> • 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. • Is there a device in the room that redirects remote controller signals? Some appliances such as TV speakers are equipped with these devices. If there is such a device in the room, the signals it emits may interfere with signals from the remote controller, preventing reception. • Infrared rays from smartphones and game consoles may interfere with signals from the remote controller, preventing reception.
LCD is faint, is not working, or the display is erratic.	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> • The batteries may be exhausted. Replace both batteries with new dry batteries AAA.LR03 (alkaline). For details, refer to “Preparation Before Operation”. ▶Page 9
“  ” on the LCD is blinking and the remote controller cannot be operated.	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> • 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 the  is blinking, the OFF button remains functional.)
Other electric devices start operating.	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> • If the remote controller activates other electric devices, move them away or consult your dealer.







Air has an odor

Case	Description / what to check
The air conditioner gives off an odor.	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> • The room odor absorbed in the unit is discharged with the airflow. We recommend you to have the indoor unit cleaned. Please consult your dealer.
	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> • The indoor unit is blowing out room odor it has absorbed (the smell of walls or carpeting, furniture, clothes, and so on). If the air conditioner has been used for a long time, there is a chance that a dirty heat exchanger or fan are emitting an odor. We recommend you to have the indoor unit cleaned. Please consult your dealer. Do not spray the air conditioner unit with any deodorizers.

Display lamps

Case	Description / what to check
The OPERATION lamp is off, but the air conditioner is operating.	<ul style="list-style-type: none"> <input type="checkbox"/> • Is the display brightness set to “OFF”? ▶Page 30
The display lamps on the main unit are dark.	<ul style="list-style-type: none"> <input type="checkbox"/> • Is the display brightness set to “Dark”? ▶Page 30

Others

Case	Description / what to check
The air conditioner suddenly starts behaving strangely during operation.	 <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.
The WEEKLY TIMER does not operate according to the settings.	 <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 ON / OFF TIMER. ▶ Page 20, 21
HEAT operation cannot be selected, even though the unit is heat pump model.	 <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.	 <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 23
The ceiling and walls around the indoor unit are black and dirty.	 <ul style="list-style-type: none"> Due to the circulation pattern of the air and static electricity, the air conditioner is causing airborne dirt and dust to stick to walls and other surfaces. Depending on the wallpaper type, dirt may adhere more easily. A thorough cleaning of the area around the air conditioner is recommended.

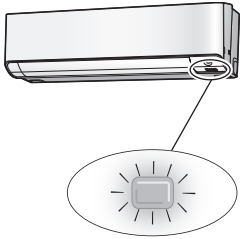
Notes on the operating conditions

- 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.
- *1, *2 Cutting the jumper on the outdoor unit PCB will extend the cooling operation range to 14 °F (–10.0 °C). Installing an air direction adjustment grille (sold separately) will further extend the operation range to –4 °F (–20.0 °C) for RX models or to –22 °F (–30.0 °C) for RK models. Please consult your dealer.

Mode	Operating conditions
COOL / DRY	Outdoor temperature: [RX models] : 50*1 -115 °F (10.0*1 - 46.0 °C) [RK models] : 50*2 -115 °F (10.0*2 - 46.0 °C) *1 –4 °F (–20.0 °C) *2 –22 °F (–30.0 °C) if an air direction adjustment grille (sold separately) is installed.
	Indoor temperature : 64 - 90 °F (18.0 - 32.0 °C) Indoor humidity : 80% max.
HEAT	Outdoor temperature: 5 - 75 °F (–15.0 - 24.0 °C) Indoor temperature : 50 - 86 °F (10.0 - 30.0 °C)

Troubleshooting

The OPERATION lamp blinks



■ Check the interval time between blinks of the OPERATION lamp.

[Blink interval of about 0.5 seconds]

This is a notification of an abnormality.

Check the error code following the procedure below, and respond according to the instructions in the table.



■ Fault diagnosis by remote controller




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

2. While pointing the remote controller at the indoor unit, press  repeatedly.

A beep indicates a non-corresponding error code.

A long beep indicates a corresponding error code.

3. When a long beep is produced, check the error code and respond according to the instructions in the table.

- To cancel the code display, hold down  for about 5 seconds (the code display also clears if no button is pressed for a while).

CODE	Cause	Description / what to check
E7	The fan of the outdoor unit is stopped. • Is there any foreign matter inside the outdoor unit?	After turning off the circuit breaker, remove the foreign matter, then turn the power on again and operate.
L3, L4, L5	The temperature inside the outdoor unit has become too high, so operation has stopped. • Is there anything blocking the air outlet of the outdoor unit?	After turning off the circuit breaker, remove the obstruction, then turn the power on again and operate.
Other error codes, or if the error code cannot be checked		An abnormality has occurred.

In the case of error code **U0**, **F3** or **F8**

	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
	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR
OUTDOOR UNIT	CC	FAULTY HUMIDITY SENSOR
	EA	COOLING-HEATING SWITCHING ERROR
	E1	CIRCUIT BOARD FAULT, ELECTRONIC EXPANSION VALVE COIL DRIVER FAULT
	E3	HIGH PRESSURE SWITCH (HPS) ACTIVATED
	E5	OL (COMPRESSOR OVERLOAD) STARTED, HIGH PRESSURE SWITCH (HPS) ACTIVATED
	E6	FAULTY COMPRESSOR START UP
	E7	DC FAN MOTOR FAULT
	E8	OVERCURRENT INPUT
	E9	ELECTRONIC EXPANSION VALVE COIL FAULT
	F3	HIGH TEMPERATURE DISCHARGE PIPE CONTROL
	F6	HIGH PRESSURE CONTROL (IN COOLING)
	F8	OPERATION HALT DUE TO COMPRESSOR INTERNAL TEMPERATURE ABNORMALITY
	H0	SENSOR FAULT
	H3	HIGH PRESSURE SENSOR ABNORMALITY
	H6	OPERATION HALT DUE TO FAULTY POSITION DETECTION SENSOR
	H7	FAN IPM TEMPERATURE ERROR
	H8	DC CURRENT SENSOR FAULT
	H9	FAULTY SUCTION AIR TEMPERATURE SENSOR
	J3	FAULTY DISCHARGE PIPE TEMPERATURE SENSOR
	J6	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	J8	FAULTY LIQUID PIPE TEMPERATURE SENSOR
	J9	FAULTY GAS PIPE TEMPERATURE SENSOR
	L3	ELECTRICAL PARTS HEAT FAULT
L4	HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK	
L5	OUTPUT OVERCURRENT	
P4	FAULTY INVERTER CIRCUIT HEATSINK TEMPERATURE SENSOR	

The OPERATION lamp is ON.
If the OPERATION lamp does not blink after operating for a while, continue to operate with no change.

If the OPERATION lamp blinks again

Turn off the circuit breaker and call your dealer.



Troubleshooting

■ 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 ground leakage protector 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 neighborhood, 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.

MEMO

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The two-dimensional bar code is a manufacturing code.

3P813537-1B M25B010B (2510) HT