



OPERATION MANUAL

DAIKIN ROOM AIR CONDITIONER

MODELS

- FTXF20TVMA
- FTXF25TVMA
- FTXF35TVMA
- FTXF46TVMA
- FTXF50TVMA



Features

Enhanced comfort, energy savings and rapid cooling



COMFORT AIRFLOW

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

▶Page 12



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 14



POWERFUL

POWERFUL operation quickly maximises the cooling (heating) effect in any operation mode. ▶Page 13



OUTDOOR UNIT QUIET

OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit. This function is useful when you need to consider the noise for your neighbourhood. ▶Page 15






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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 observe 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 floor area larger than $-^*m^2$ for 20/25/35 class, 1.5m² for 46/50 class.
* Since the maximum refrigerant charge of the models is below 1.22kg, it does not have any limitation for the minimum floor area. 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. For details refer to the WARNING list in the "Safety Precautions" section of the installation manual for the outdoor unit.
- 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 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.
- Do not sit or hang on the panel. The panel may fall, and injury or product malfunctioning may result.
- Do not sway the panel. The panel may hit people or objects, and injury or property damage may result.
- Do not let children play around the panel. Injury or property damage may result.
- Do not pull the wires. The wires may be broken and the panel may fall, and injury or property damage may result.
- Do not locate obstacles in the route. The panel may fall, and injury or property damage may result.
- Do not bend or damage the wires. The wires may be broken and the panel may fall, and injury or property damage may result.
- Do not put objects on the panel, or otherwise production malfunctioning may result.
- Do not use an unstable stand at the time of operating or maintaining the air conditioner, or otherwise you may topple over or injury yourself.
- Locate the remote controller in places out of reach of children. The wrong operation of the remote controller may result in injury.

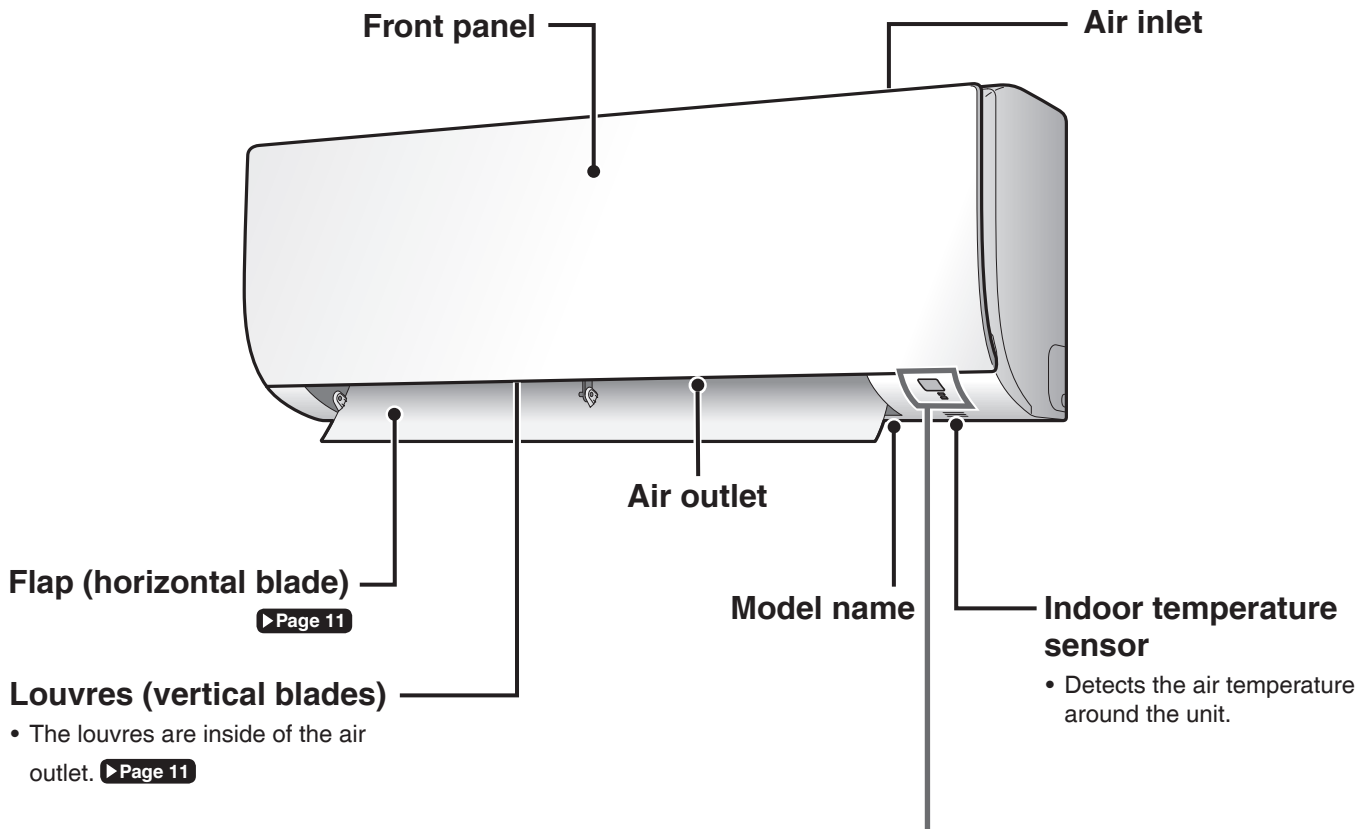
-  To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Before cleaning, be sure to stop unit operation and turn off the circuit breaker. Otherwise, an electric shock and injury may result.
- Only connect the 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.

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

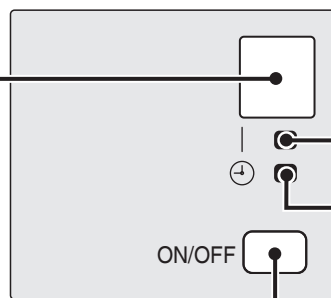


Display

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



OPERATION lamp (green)

TIMER lamp (orange)

▶Page 16,17

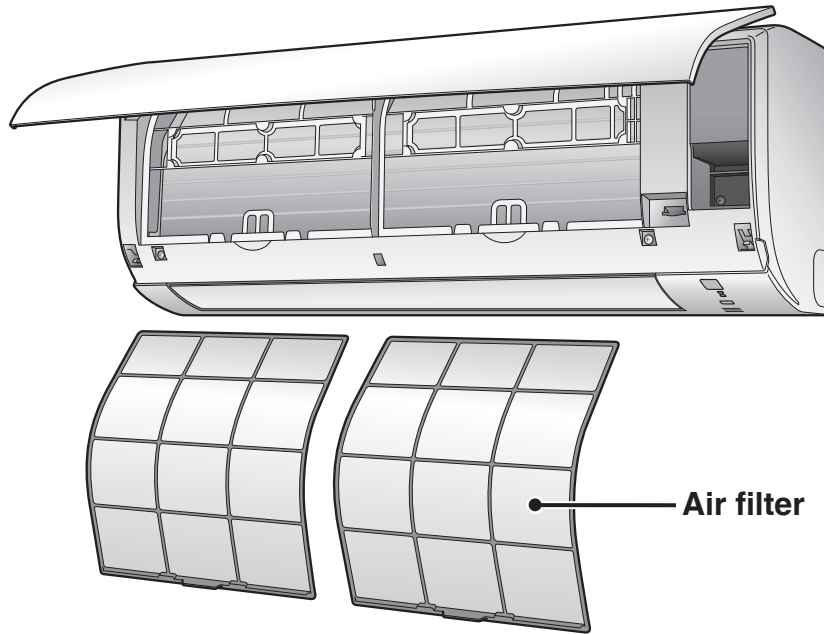
Indoor unit ON/OFF switch

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

Mode	Temperature setting	Airflow rate
AUTO	25.0°C	AUTO

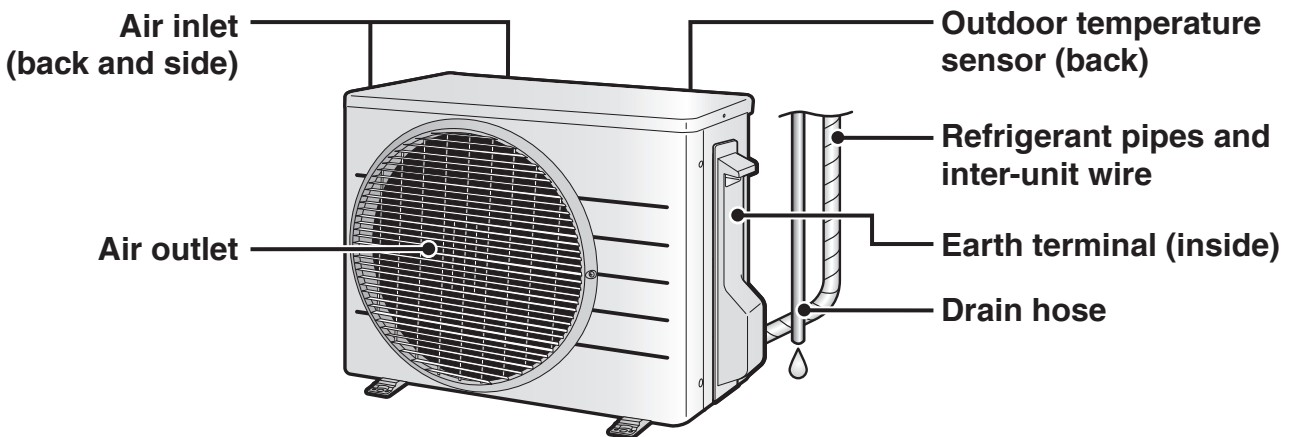
- This switch can be used when the remote controller is missing.

■ Open the front panel

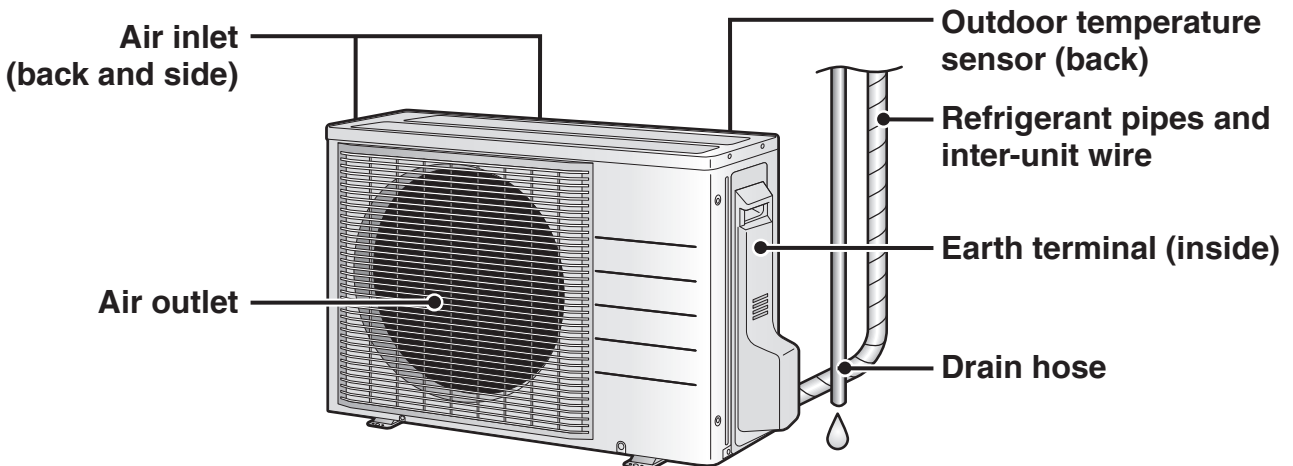


Outdoor Unit

■ RXF20/25/35

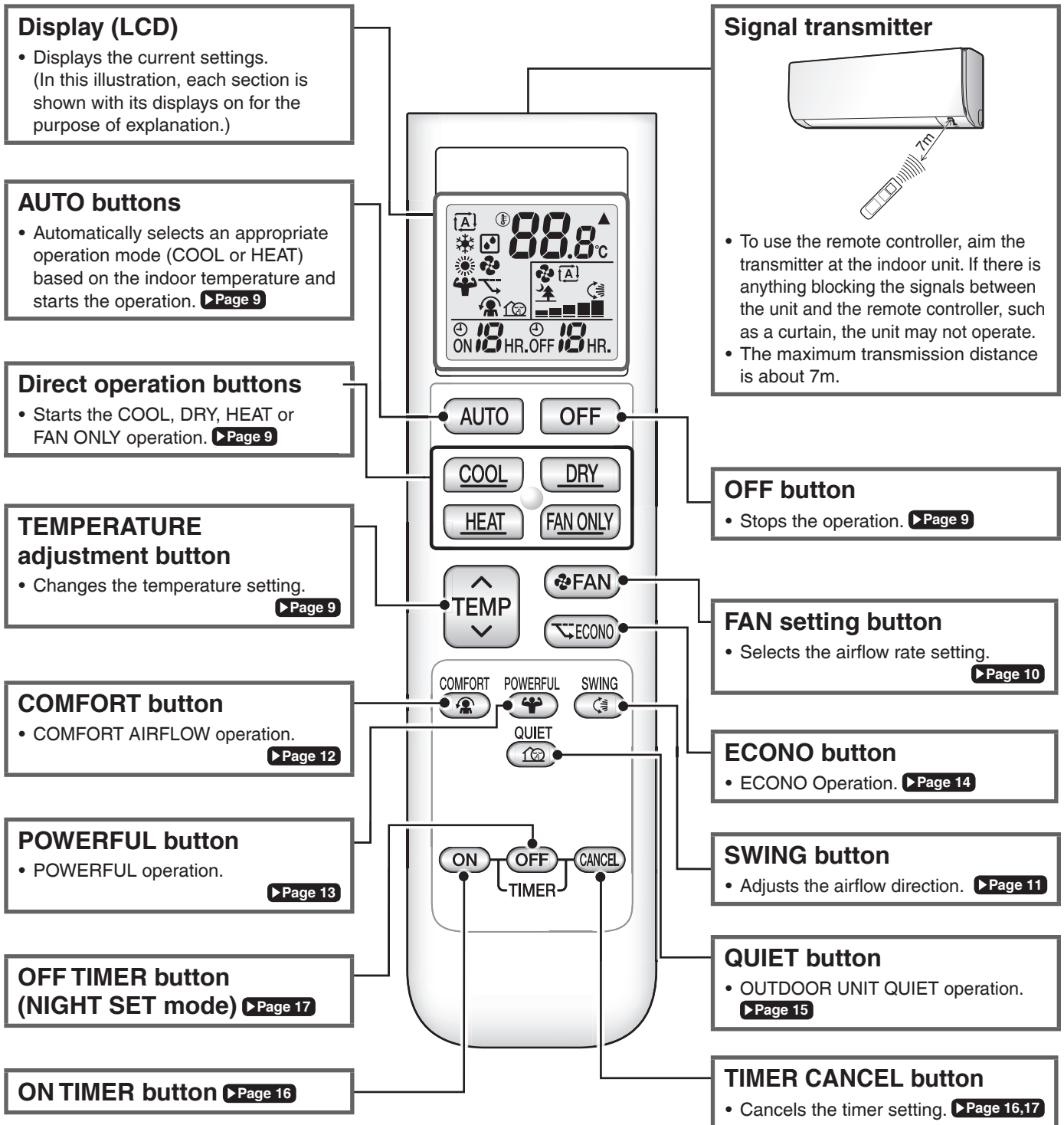


■ RXF46/50



Names of Parts

Remote Controller



Model name ARC480A55

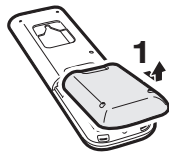
Preparation Before Operation

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.

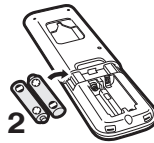
- If the alkaline solution from the batteries should get in the eyes, do not rub the eyes. Instead, immediately flush the eyes with tap water and seek the attention of a medical professional.
- Keep batteries out of reach of children. In the event that batteries are swallowed, seek the immediate attention 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

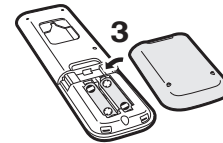


Slide the back cover to take it off.

Position \oplus
and \ominus
correctly!



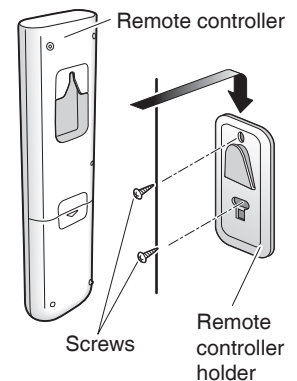
Set two dry batteries AAA.LR03 (alkaline).



Set the back cover as before.

■ To fix the remote controller holder to a wall

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



■ To attach the titanium apatite deodorizing filter (sold separately) and dust collection filter PM2.5 (sold separately)

- If attaching the separately sold filters, attach them before turning the power on. [▶ Page 20](#)

■ 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

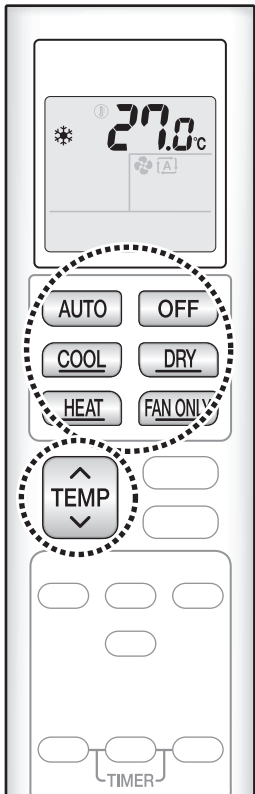
- To avoid possible injury or damage from battery leakage or rupturing, remove the batteries when not using the product for long periods of time.
- The standard replacement time is 1 year. Both batteries should be replaced at the same time. Be sure to replace them with new size AAA.LR03 (alkaline) batteries.
- When battery power has run out, the LCD will begin blinking 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.



AUTO · COOL · DRY · HEAT · FAN ONLY Operation



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

■ To start operation

▶ Press button of your desired operation mode.

AUTO operation

Press **AUTO** . “ **A** ” appears on the LCD.

COOL operation

Press **COOL** . “ ❄ ” appears on the LCD.

DRY operation

Press **DRY** . “ 💧 ” appears on the LCD.

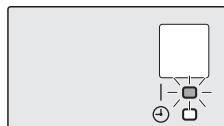
HEAT operation

Press **HEAT** . “ ☀ ” appears on the LCD.

FAN ONLY operation

Press **FAN ONLY** . “ 🌀 ” appears on the LCD.

- The OPERATION lamp lights green.



Display

■ To stop operation

▶ Press **OFF** .

- The OPERATION lamp goes off.

■ To change the temperature setting

▶ Press **TEMP** .

- Press **▲** to raise the temperature and press **▼** to lower the temperature. Each pressing of the button changes the temperature by 0.5°C.

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

NOTE

Notes on AUTO operation

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



Adjusting the Airflow Rate

You can adjust the airflow rate to increase your comfort.

■ To adjust the airflow rate setting

▶ Press **FAN**.

- Each pressing of **FAN** 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.
- At smaller airflow rates, the cooling (heating) effect is also smaller.



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.

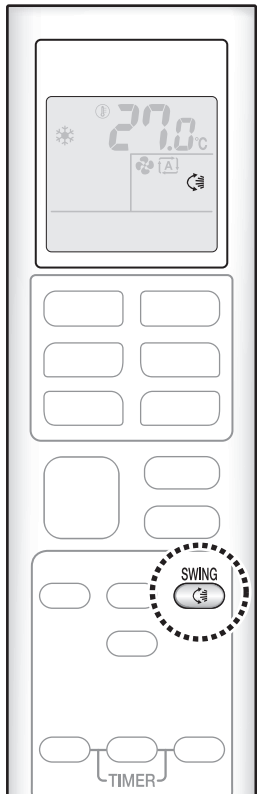
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks. [▶Page 19](#)

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.


⚠ CAUTION

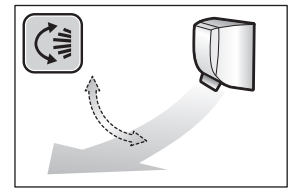
- Always use a remote controller to adjust the angle of the flap.
- If you attempt to move the flap forcibly by hand when it is swinging, the mechanism may be damaged.
- Be careful when adjusting the louvres.
- Inside the air outlet, a fan is rotating at a high speed.

Auto swing

For up and down airflow direction

1. Press  .

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



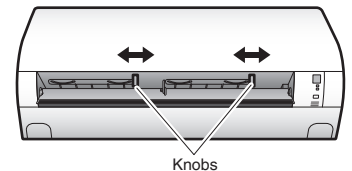
2. If you want to stop the movement of the flap, press  again when the flap reaches the desired position.

Manual adjustment

For right and left airflow direction

1. Hold the knobs and move the louvres (vertical blades) to the desired position.

- There are knobs in 2 places.

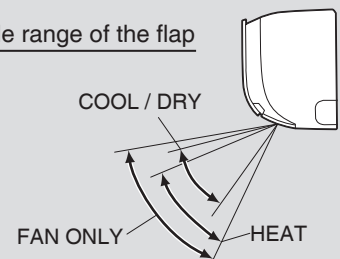


NOTE

Notes on airflow direction setting

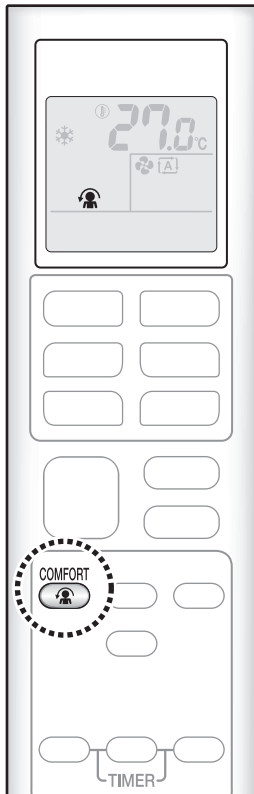
- The movable range of the flap varies according to the operation mode.
- The flap will stop at the upper position when the airflow rate is changed to low during the up and down swing setting.

Movable range of the flap






COMFORT AIRFLOW Operation



The air direction and flow rate are adjusted so that the air will not blow directly at people in the room.

■ To start

Press **COMFORT** .

- “” appears on the LCD.

	COOL operation	DRY operation	HEAT operation
Flap direction	Goes up		Goes down
Airflow rate	The airflow rate can be set to any level	AUTO	The airflow rate can be set to any level

- Not available in FAN ONLY mode.

■ To cancel

Press **COMFORT**  again.

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

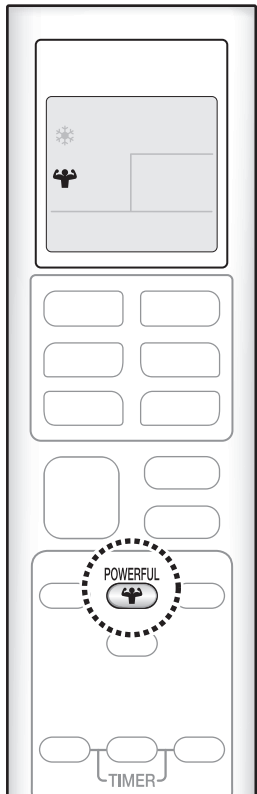
NOTE

Note on COMFORT AIRFLOW operation

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




POWERFUL Operation



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

■ To start

➤ Press **POWERFUL** .

- “” appears 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

➤ Press **POWERFUL**  again.

- “” disappears from the LCD.

NOTE

Notes on POWERFUL operation

- Pressing **OFF** causes the settings to be cancelled, 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 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 ONLY 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 + OUTDOOR UNIT QUIET	

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



ECONO 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.

■ To start

▶ Press  .

- “” appears on the LCD.
- Not available in FAN ONLY mode.



■ To cancel

▶ Press  again.

- “” disappears from the LCD.

NOTE

Notes on ECONO operation

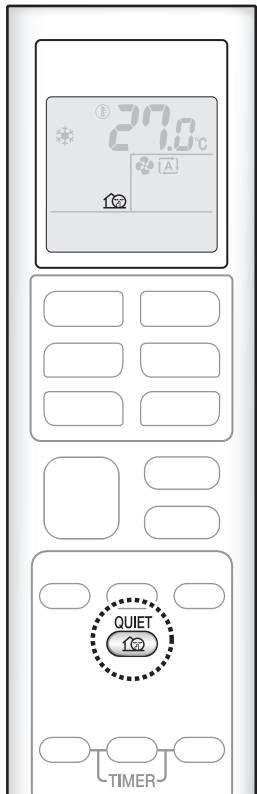
- This operation is performed with lower power and therefore may not provide a sufficient cooling (heating) effect.
- Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.

Some useful functions can be used together.

COMFORT AIRFLOW + ECONO	Available
OUTDOOR UNIT QUIET + ECONO	



OUTDOOR UNIT QUIET Operation



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

■ To start

▶ Press **QUIET** .

- “” appears on the LCD.


■ To cancel

▶ Press **QUIET**  again.

- “” disappears from the LCD.

NOTE

Notes on OUTDOOR UNIT QUIET operation

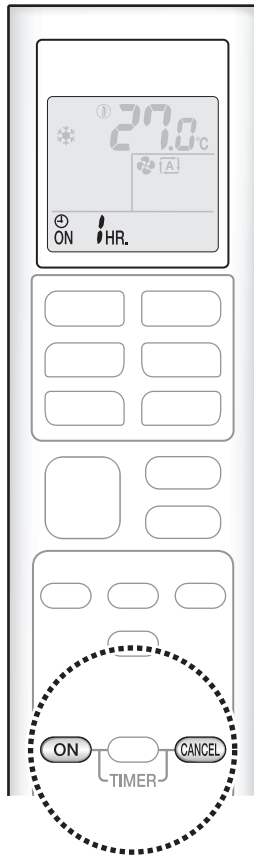
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- Even the operation is stopped by using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain on the remote controller display.
- OUTDOOR UNIT QUIET operation will drop neither the frequency nor fan speed if they have been already dropped low enough.

Possible combinations of OUTDOOR UNIT QUIET operation and basic operations

OUTDOOR UNIT QUIET	Operation mode				
	AUTO	DRY	COOL	HEAT	FAN
	√	-	√	√	-



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.

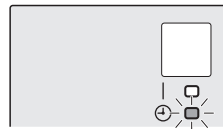
[ON TIMER operation]

■ To set

▶ Press **ON**.



- Each pressing of **ON** changes the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.



Display

■ To cancel

▶ Press **CANCEL**.

- “ON 1HR.” disappears from the LCD.
- The TIMER lamp goes off.

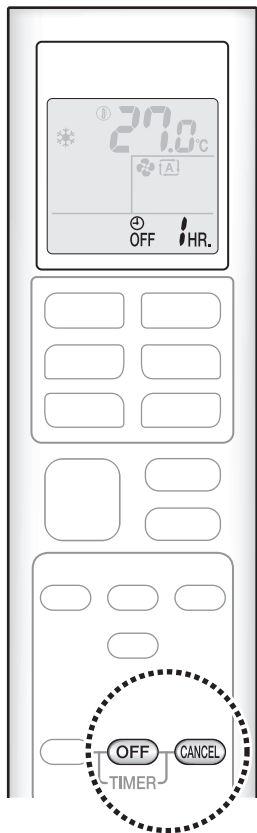
NOTE

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



[OFF TIMER operation]

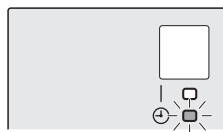
■ To set

▶ Press **OFF** .



“OFF 1HR.” appears on the LCD.

- Each pressing of **OFF** changes the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.



Display

■ To cancel

▶ Press **CANCEL** .

- “OFF 1HR.” disappears from the LCD.
- The TIMER lamp goes off.

[ON/OFF TIMER combination]

■ To combine

- A sample setting for combining the 2 timers is shown below.
- “ON” and “OFF” are appears on the LCD.

[Example]



When setting while the unit is operating

- Stops the unit 1 hour later and starts it 7 hours after that.



When setting while the unit is stopped

- Starts the unit 2 hours later and stops it 3 hours after that.

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.

Care and Cleaning

⚠ CAUTION

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

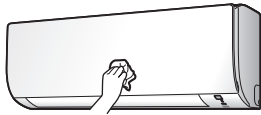
■ Quick reference

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.

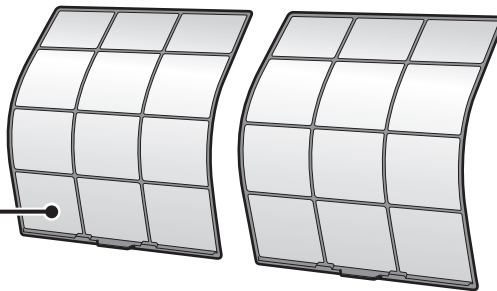
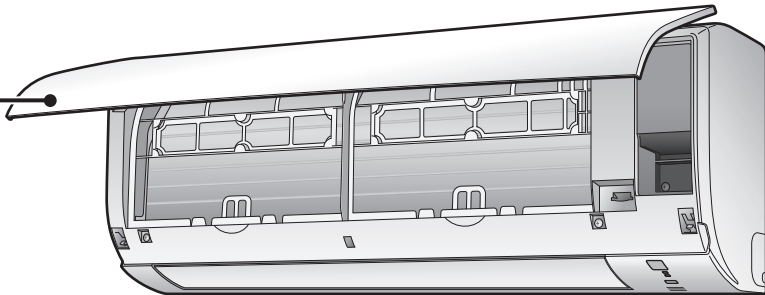
Once every 2 weeks

▶ Page 19

Indoor unit, outdoor unit and remote controller

- Wipe them with a soft cloth.

If dirty



Titanium apatite deodorizing filter (sold separately) and dust collection filter (PM2.5) (sold separately)

Titanium apatite deodorizing filters and dust collection filters are sold separately (not included with the air conditioner). To purchase, contact the dealer where you bought the air conditioner.

Item	Part No.
Titanium apatite deodorizing filter - without frame (set of 2)	KAF970A46
Dust collection filter (PM2.5) - without frame (set of 2)	BAFP046A41

Titanium apatite deodorizing filter

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

▶ Page 20

[Replacement]

Once every 3 years

▶ Page 20

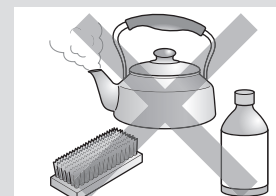
Dust collection filter (PM2.5)

- No cleaning is required. Please replace the filter every 6 months. ▶ Page 20

NOTE

For cleaning, do not use any of the following:

- Water hotter than 40°C
- Volatile liquid such as benzine, petrol and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush



Care and Cleaning

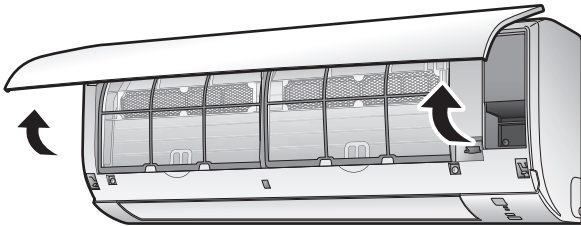
⚠ CAUTION

- Do not touch the aluminium fins by bare hand at the time of dismounting or mounting the filter.

■ Air filter

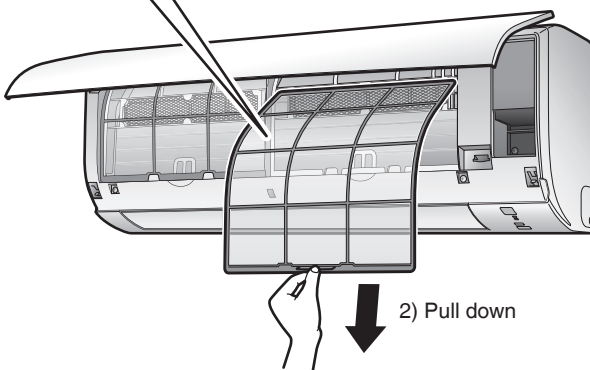
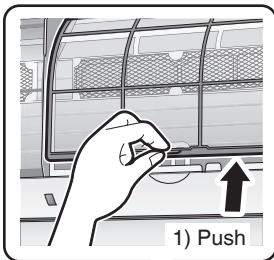
1. Open the front panel.

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



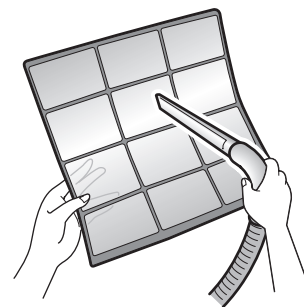
2. Pull out the air filters.

- 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 vacuum cleaner.

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



If the dust does not come off easily

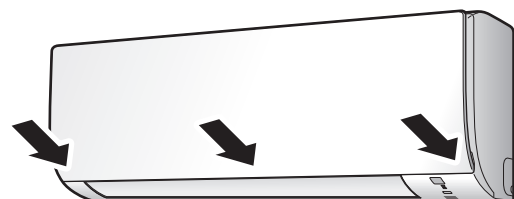
- Wash the air filters with neutral detergent thinned with lukewarm water, then dry them up in the shade.



4. Reattach the filters.

5. Close the front panel slowly.

- Press the panel at both sides and the centre.



- Make sure that the front panel is securely fixed.

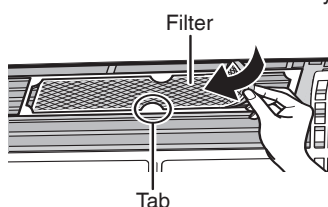
■ Titanium apatite deodorizing filter (sold separately) / dust collection filter (PM2.5) (sold separately)

Attaching

1. Open the front panel and pull out the air filters. ▶Page 19

2. Insert the titanium apatite deodorizing filters or dust collection filters (PM2.5).

- Check that the filters are inserted securely under the tabs.

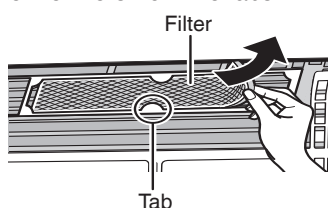


Cleaning and Replacement

1. Open the front panel and pull out the air filters. ▶Page 19

2. Take off the titanium apatite deodorizing filters or dust collection filters (PM2.5).

- Remove the filters from the tabs.



3. Clean or replace the titanium apatite deodorizing filters or dust collection filters (PM2.5).

[Cleaning for titanium apatite deodorizing filter (Blue-Black)]

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.

- This filter can be renewed by washing it with water once **every 6 months** and we recommend replacing it once **every 3 years**.
- Do not wring out the filter when removing water from it.

[Cleaning for dust collection filter (PM2.5) (White)]

- Do not wash the filters as this will reduce their efficiency.
- It is recommended to replace it once **every 6 months**.

[Replacement]

Remove each filter from the front grille by detaching them from the 6 tabs and then install the new filters.

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

4. Set the filters as they were and close the front panel.

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

NOTE

- Operation with dirty filters:
 - cannot deodorise the air,
 - cannot clean the air,
 - results in poor cooling,
 - may cause odour.
- Dispose of old filters as non-flammable waste.

Care and Cleaning

■ Prior to a long period of non-use

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

- Press  .

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.

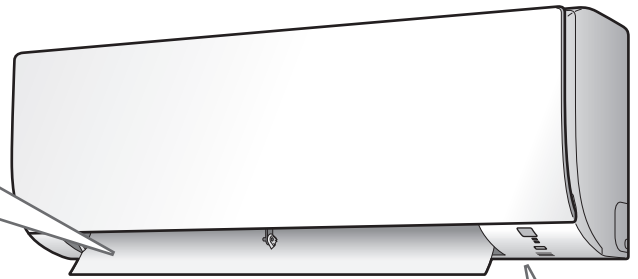
- Once the set temperature is reached, the airflow rate is reduced and operation stopped in order to avoid generating a cool airflow. Operation will resume automatically when the indoor temperature falls.

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 **AUTO** or any direct operation button was pressed soon after operation was stopped.
- When the mode was reselected.
 - This is to protect the air conditioner. You should wait for about 3 minutes.



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.
- Refrigerant flows inside the air conditioner even when one indoor unit is not in operation if the other indoor unit is 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

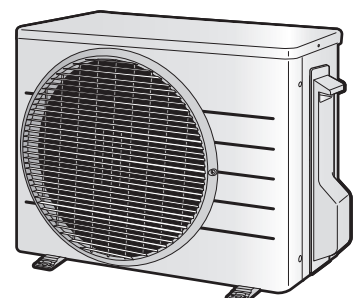
The outdoor unit emits water.

■ 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.



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

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 26

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 26

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 unit you are operating or another unit running in ECONO operation? ▶Page 14 • 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?

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 8 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 8
The LCD is blinking and the remote controller cannot be operated.	<input checked="" type="checkbox"/> <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 the LCD is blinking, the OFF button remains functional.)
Other electric devices start operating.	<input checked="" type="checkbox"/> <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 checked="" 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.

NOTE

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: -10-46°C Indoor temperature: 18-32°C Indoor humidity: 80% max.
HEAT	Outdoor temperature: -15-24°C Indoor temperature: 10-30°C

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 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. You should just 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.



■ Fault diagnosis by remote controller

- In case the air conditioner is malfunctioning, you can check the error code via the remote controller before consulting with service personnel and informing them of the malfunction code.

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

2. Press **CANCEL 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	FREEZE-UP PROTECTOR
	A6	FAN MOTOR FAULT
	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR
OUTDOOR UNIT	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 indicates non-corresponding codes.
- To cancel the code display, hold **CANCEL** down for about 5 seconds. The code display also clears if no button is pressed for 1 minute.

MEMO

MEMO

MEMO

MEMO

Quick Reference

MODES: AUTO, COOL, DRY, HEAT, FAN ONLY

TEMPERATURE: TEMP (up/down arrows)

FUNCTIONS: OFF, FAN, SWING

DISPLAY: 88.8°C, ON 18 HR. OFF 18 HR.

TEMPERATURE RANGES:

☀️	10.0°C ↔ 30.0°C
❄️	18.0°C ↔ 32.0°C
⌂	18.0°C ↔ 30.0°C

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



The two-dimensional bar code is a manufacturing code.

3P372379-11R M18N097A (1903)HT

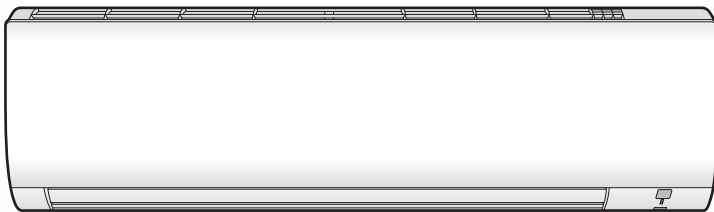


OPERATION MANUAL

DAIKIN ROOM AIR CONDITIONER

MODELS

- FTXF60TVMA
- FTXF71TVMA



Features

Enhanced comfort, energy savings and rapid cooling



COMFORT AIRFLOW

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

▶Page 12



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 14



POWERFUL

POWERFUL operation quickly maximises the cooling (heating) effect in any operation mode. ▶Page 13



OUTDOOR UNIT QUIET

OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit. This function is useful when you need to consider the noise for your neighbourhood. ▶Page 15






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Safety Precautions

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


- 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.


	<p>WARNING</p>	<p>Failure to follow these instructions properly may result in personal injury or loss of life.</p>
	<p>CAUTION</p>	<p>Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.</p>


	<p>Never attempt.</p>		<p>Be sure to follow the instructions.</p>		<p>Be sure to establish an earth connection.</p>
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- 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 floor area larger than 1.5m² for 60 class, 3.5m² for 71 class. 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. For details refer to the WARNING list in the "Safety Precautions" section of the installation manual for the outdoor unit.
- 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 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.
- Do not sit or hang on the panel. The panel may fall, and injury or product malfunctioning may result.
- Do not sway the panel. The panel may hit people or objects, and injury or property damage may result.
- Do not let children play around the panel. Injury or property damage may result.
- Do not pull the wires. The wires may be broken and the panel may fall, and injury or property damage may result.
- Do not locate obstacles in the route. The panel may fall, and injury or property damage may result.
- Do not bend or damage the wires. The wires may be broken and the panel may fall, and injury or property damage may result.
- Do not put objects on the panel, or otherwise production malfunctioning may result.
- Do not use an unstable stand at the time of operating or maintaining the air conditioner, or otherwise you may topple over or injury yourself.
- Locate the remote controller in places out of reach of children. The wrong operation of the remote controller may result in injury.

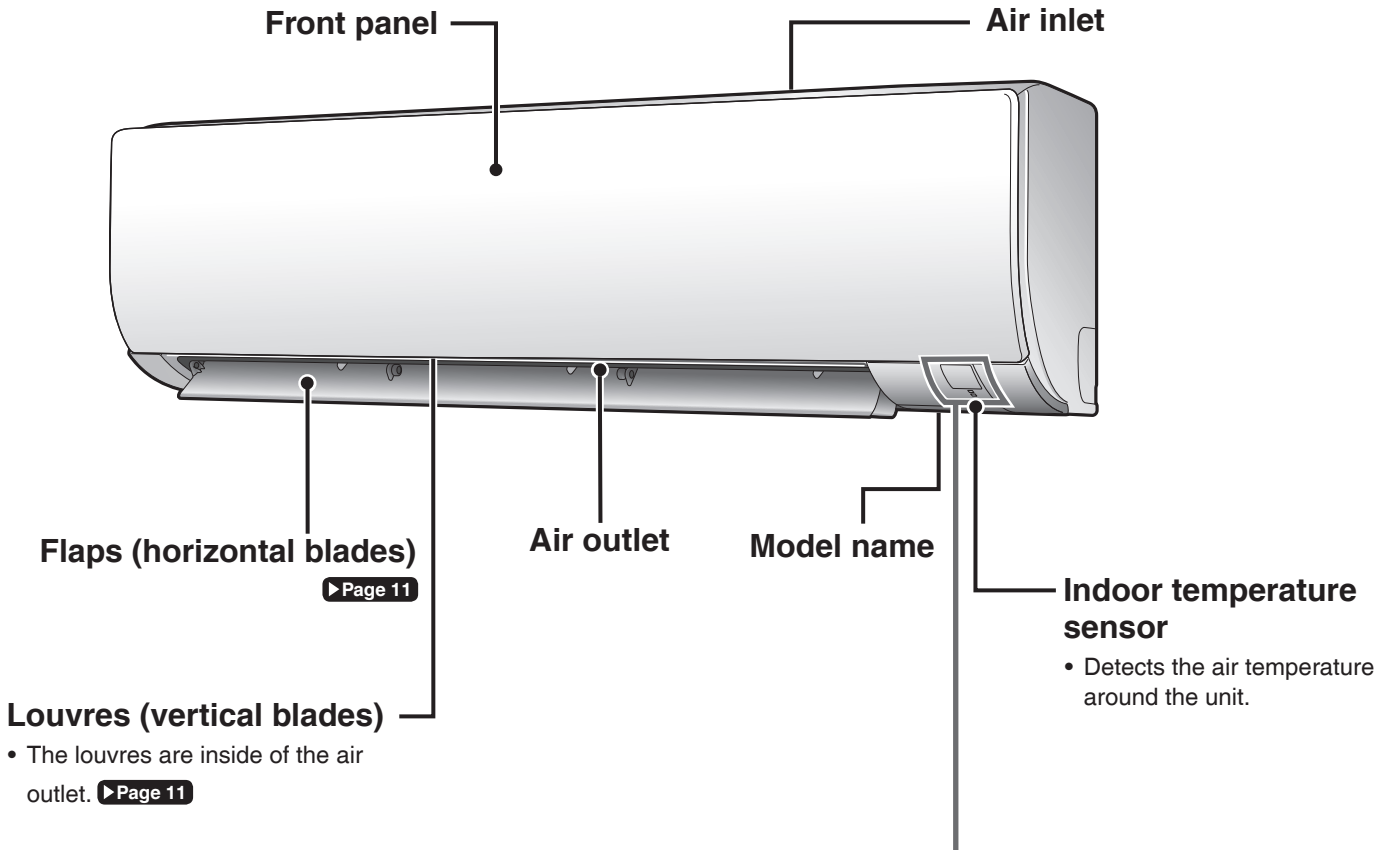
-  To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Before cleaning, be sure to stop unit operation and turn off the circuit breaker. Otherwise, an electric shock and injury may result.
- Only connect the 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.

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

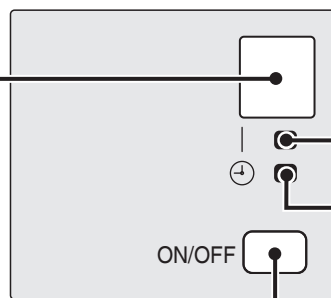


Display

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



▶ Page 16,17

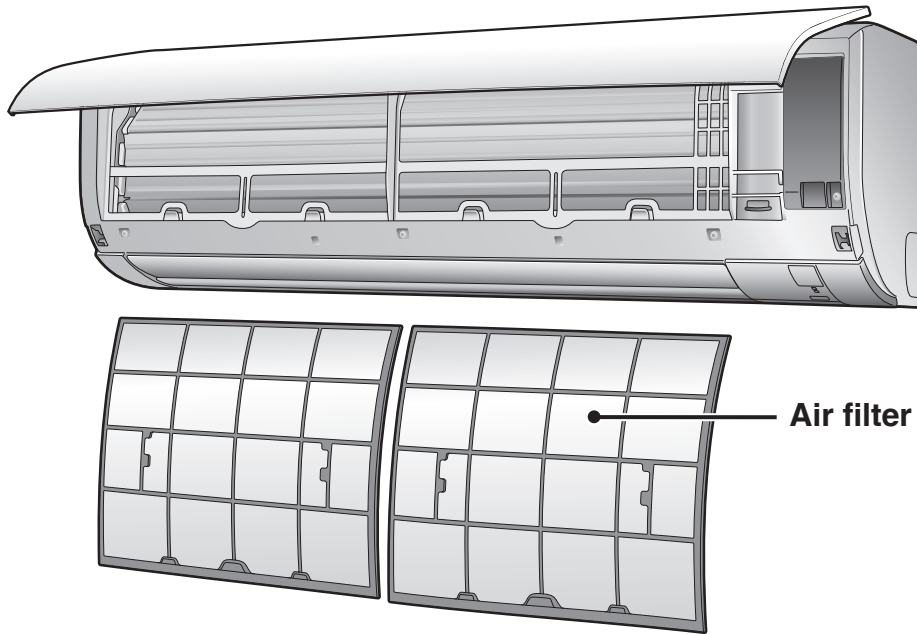
Indoor unit ON/OFF switch

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

Mode	Temperature setting	Airflow rate
AUTO	25.0°C	AUTO

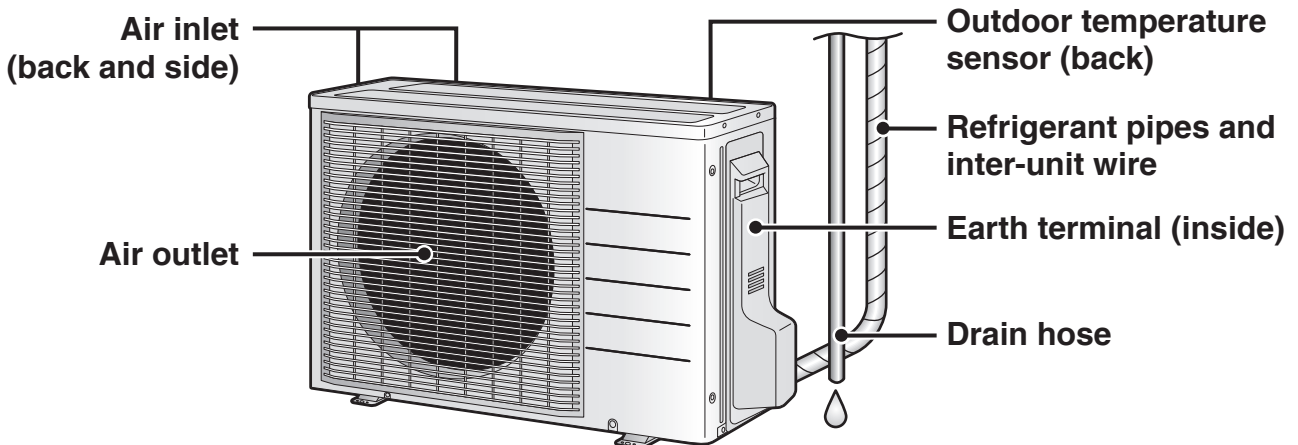
- This switch can be used when the remote controller is missing.

■ Open the front panel

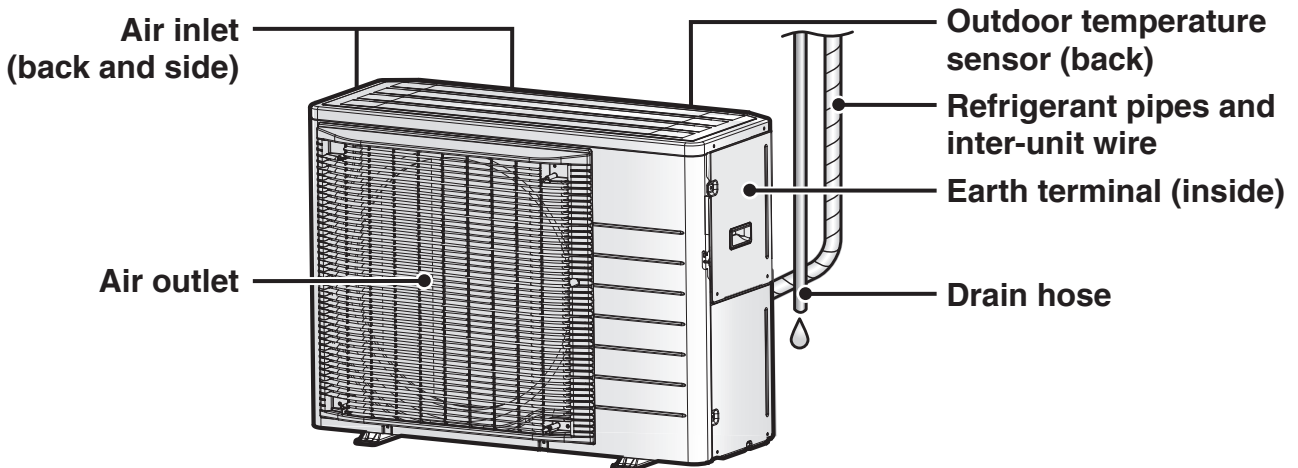


Outdoor Unit

■ RXF60

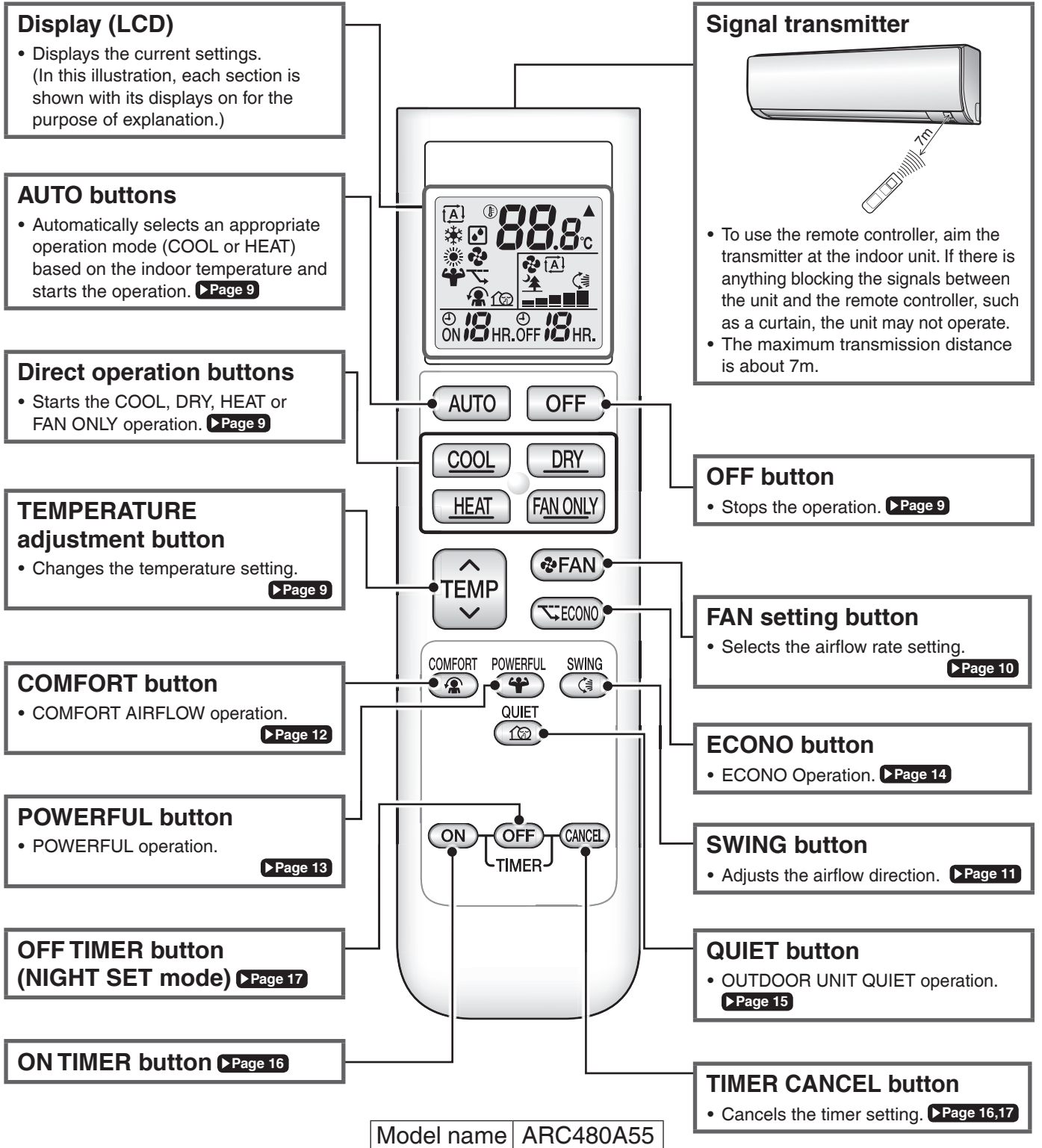


■ RXF71



Names of Parts

Remote Controller



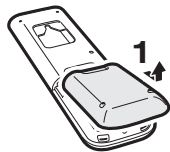
Preparation Before Operation

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.

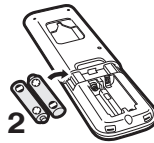
- If the alkaline solution from the batteries should get in the eyes, do not rub the eyes. Instead, immediately flush the eyes with tap water and seek the attention of a medical professional.
- Keep batteries out of reach of children. In the event that batteries are swallowed, seek the immediate attention 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

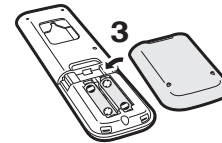


Slide the back cover to take it off.

Position \oplus
and \ominus
correctly!



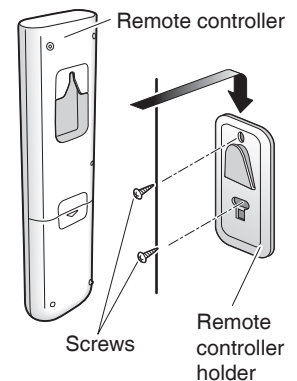
Set two dry batteries AAA.LR03 (alkaline).



Set the back cover as before.

■ To fix the remote controller holder to a wall

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



■ To attach the titanium apatite deodorizing filter (sold separately) and dust collection filter PM2.5 (sold separately)

- If attaching the separately sold filters, attach them before turning the power on. [▶ Page 20](#)

■ 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.

NOTE

Notes on batteries

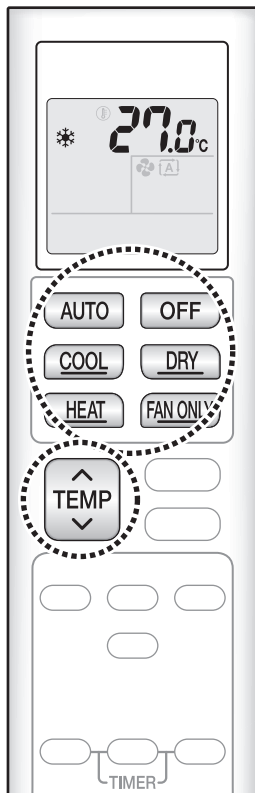
- To avoid possible injury or damage from battery leakage or rupturing, remove the batteries when not using the product for long periods of time.
- The standard replacement time is 1 year. Both batteries should be replaced at the same time. Be sure to replace them with new size AAA.LR03 (alkaline) batteries.
- When battery power has run out, the LCD will begin blinking 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.



AUTO · COOL · DRY · HEAT · FAN ONLY Operation



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

■ To start operation

▶ Press button of your desired operation mode.

AUTO operation

Press **AUTO** . “**A**” appears on the LCD.

COOL operation

Press **COOL** . “**❄**” appears on the LCD.

DRY operation

Press **DRY** . “**💧**” appears on the LCD.

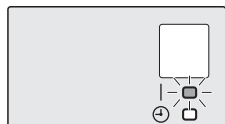
HEAT operation

Press **HEAT** . “**☀**” appears on the LCD.

FAN ONLY operation

Press **FAN ONLY** . “**🌀**” appears on the LCD.

- The OPERATION lamp lights green.



Display

■ To stop operation

▶ Press **OFF** .

- The OPERATION lamp goes off.

■ To change the temperature setting

▶ Press **TEMP** .

- Press **▲** to raise the temperature and press **▼** to lower the temperature. Each pressing of the button changes the temperature by 0.5°C.

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

NOTE

Notes on AUTO operation

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



Adjusting the Airflow Rate

You can adjust the airflow rate to increase your comfort.

■ To adjust the airflow rate setting

▶ Press **FAN** .

- Each pressing of **FAN** 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.
- At smaller airflow rates, the cooling (heating) effect is also smaller.



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.

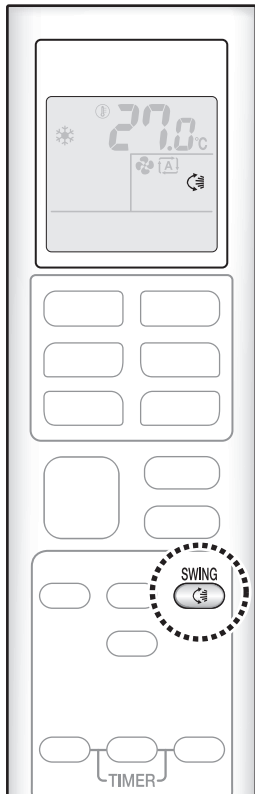
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks. [▶Page 19](#)

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.


⚠ CAUTION

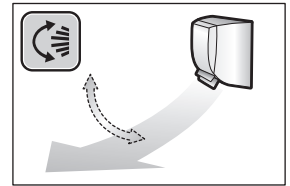
- Always use a remote controller to adjust the angle of the flaps.
- If you attempt to move the flaps forcibly by hand when they are swinging, the mechanism may be damaged.
- Be careful when adjusting the louvres.
- Inside the air outlet, a fan is rotating at a high speed.

Auto swing

For up and down airflow direction

1. Press  .

- “” appears on the LCD.
- The flaps (horizontal blade) will begin to swing.



2. If you want to stop the movement of the flaps, press

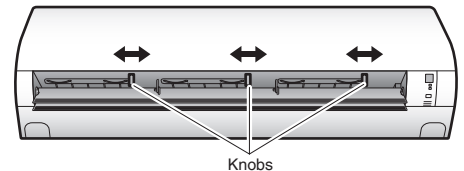
 again when the flaps reach the desired position.

Manual adjustment

For right and left airflow direction

► Hold the knobs and move the louvres (vertical blades) to the desired position.

- There are knobs in 3 places.

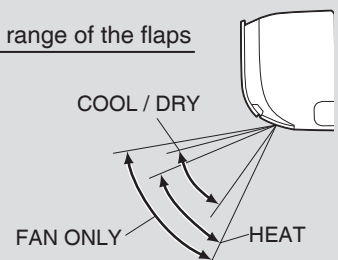


NOTE

Notes on airflow direction setting

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

Movable range of the flaps






COMFORT AIRFLOW Operation



The air direction and flow rate are adjusted so that the air will not blow directly at people in the room.

■ To start

▶ Press **COMFORT** .


- “” appears on the LCD.

	COOL operation	DRY operation	HEAT operation
Flaps direction	Goes up		Goes down
Airflow rate	The airflow rate can be set to any level	AUTO	The airflow rate can be set to any level

- Not available in FAN ONLY mode.

■ To cancel

▶ Press **COMFORT**  again.

- “” disappears from the LCD.
- The flaps 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.


POWERFUL Operation



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

■ To start

▶ Press  .

- “” appears 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

▶ Press  again.

- “” disappears from the LCD.

NOTE

Notes on POWERFUL operation

- Pressing  causes the settings to be cancelled, 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 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 ONLY 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 + OUTDOOR UNIT QUIET	

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



ECONO 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.

■ To start

▶ Press  .

- “” appears on the LCD.
- Not available in FAN ONLY mode.



■ To cancel

▶ Press  again.

- “” disappears from the LCD.

NOTE

Notes on ECONO operation

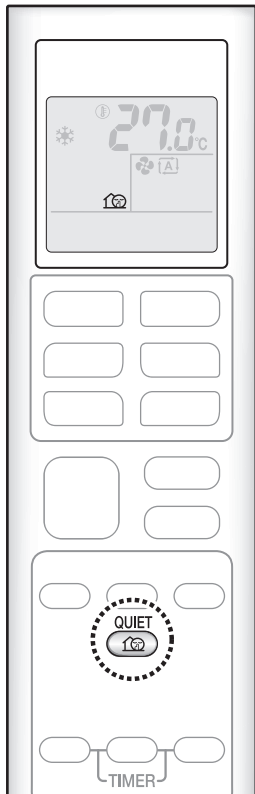
- This operation is performed with lower power and therefore may not provide a sufficient cooling (heating) effect.
- Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.

Some useful functions can be used together.

COMFORT AIRFLOW + ECONO	Available
OUTDOOR UNIT QUIET + ECONO	



OUTDOOR UNIT QUIET Operation



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

■ To start

▶ Press **QUIET** .

- “” appears on the LCD.


■ To cancel

▶ Press **QUIET**  again.

- “” disappears from the LCD.

NOTE

Notes on OUTDOOR UNIT QUIET operation

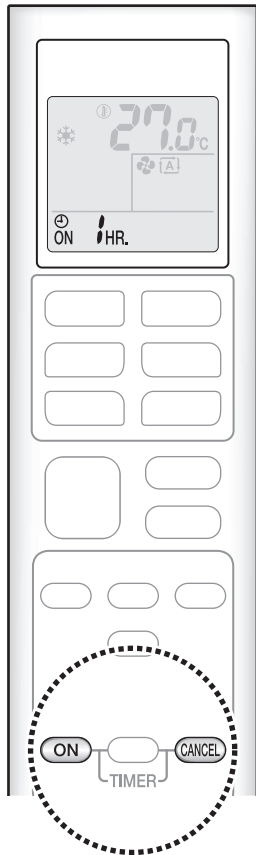
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- Even the operation is stopped by using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain on the remote controller display.
- OUTDOOR UNIT QUIET operation will drop neither the frequency nor fan speed if they have been already dropped low enough.

Possible combinations of OUTDOOR UNIT QUIET operation and basic operations

OUTDOOR UNIT QUIET	Operation mode				
	AUTO	DRY	COOL	HEAT	FAN
	√	-	√	√	-



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.

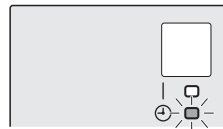
[ON TIMER operation]

■ To set

▶ Press **ON**.



- Each pressing of **ON** changes the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.



Display

■ To cancel

▶ Press **CANCEL**.

- “ON 1 HR.” disappears from the LCD.
- The TIMER lamp goes off.

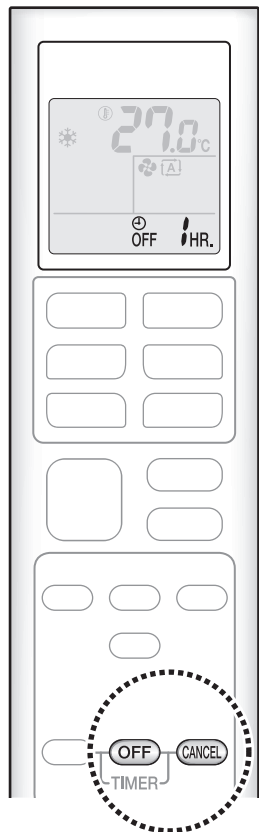
NOTE

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



[OFF TIMER operation]

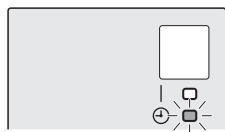
■ To set

▶ Press **OFF** .



“OFF 1HR.” appears on the LCD.

- Each pressing of **OFF** changes the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.



Display

■ To cancel

▶ Press **CANCEL** .

- “OFF 1HR.” disappears from the LCD.
- The TIMER lamp goes off.

[ON/OFF TIMER combination]

■ To combine

- A sample setting for combining the 2 timers is shown below.
- “ON” and “OFF” are appears on the LCD.

[Example]



When setting while the unit is operating

- Stops the unit 1 hour later and starts it 7 hours after that.



When setting while the unit is stopped

- Starts the unit 2 hours later and stops it 3 hours after that.

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.

Care and Cleaning

⚠ CAUTION

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

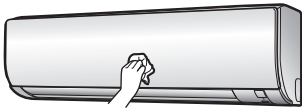
■ Quick reference

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.

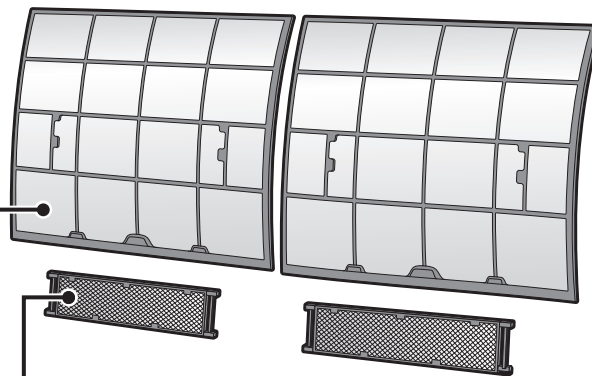
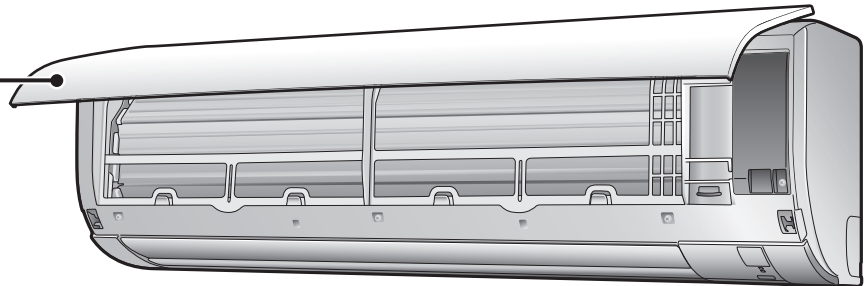
Once every 2 weeks

▶ Page 19

Indoor unit, outdoor unit and remote controller

- Wipe them with a soft cloth.

If dirty



Titanium apatite deodorizing filter (sold separately) and dust collection filter (PM2.5) (sold separately)

Titanium apatite deodorizing filters and dust collection filters are sold separately (not included with the air conditioner). To purchase, contact the dealer where you bought the air conditioner.

Item	Part No.
Titanium apatite deodorizing filter - with frame (set of 2)	KAF970A45
Dust collection filter (PM2.5) - with frame (set of 2)	BAFP046A42

Titanium apatite deodorizing filter

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

▶ Page 20

[Replacement]

Once every 3 years

▶ Page 20

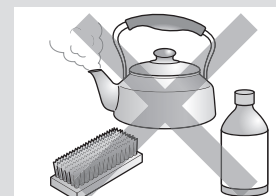
Dust collection filter (PM2.5)

- No cleaning is required. Please replace the filter every 6 months. ▶ Page 20

NOTE

For cleaning, do not use any of the following:

- Water hotter than 40°C
- Volatile liquid such as benzine, petrol and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush



Care and Cleaning

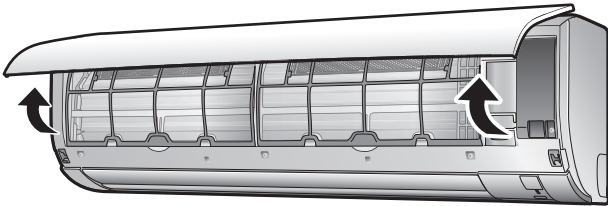
⚠ CAUTION

- Do not touch the aluminium fins by bare hand at the time of dismounting or mounting the filter.

■ Air filter

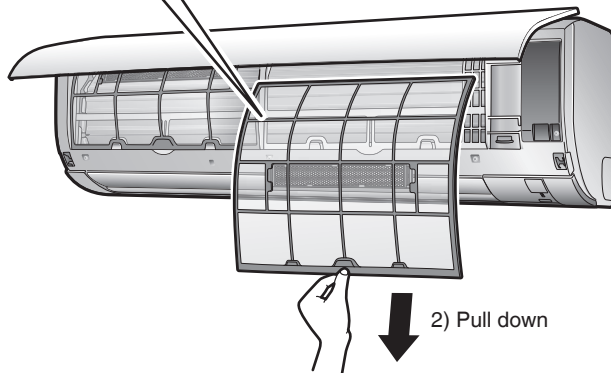
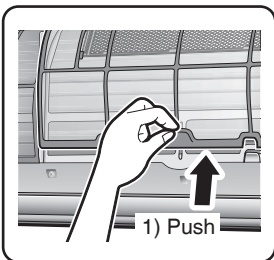
1. Open the front panel.

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



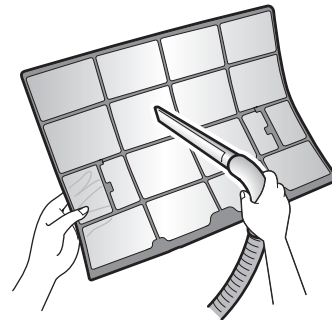
2. Pull out the air filters.

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



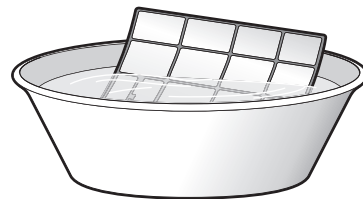
3. Wash the air filters with water or clean them with vacuum cleaner.

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



If the dust does not come off easily

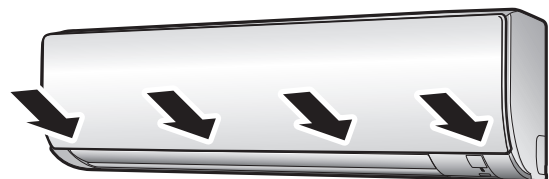
- Wash the air filters with neutral detergent thinned with lukewarm water, then dry them up in the shade.



4. Reattach the filters.

5. Close the front panel slowly.

- Press the panel at both sides and the centre.



- Make sure that the front panel is securely fixed.

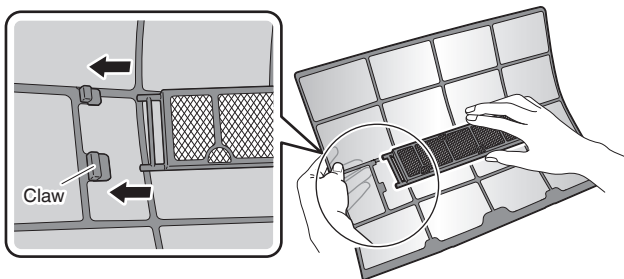
■ Titanium apatite deodorizing filter (sold separately) / dust collection filter (PM2.5) (sold separately)

Attaching

1. Open the front panel and pull out the air filters. ▶Page 19

2. Insert the titanium apatite deodorizing filters or dust collection filters (PM2.5).

- Check that the filters are inserted securely under the tabs.

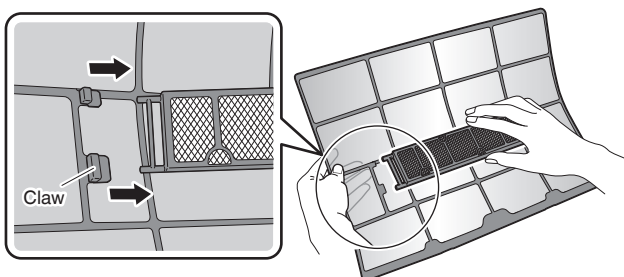


Cleaning and Replacement

1. Open the front panel and pull out the air filters. ▶Page 19

2. Take off the titanium apatite deodorizing filters or dust collection filters (PM2.5).

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



NOTE

- Operation with dirty filters:
 - cannot deodorise the air,
 - cannot clean the air,
 - results in poor cooling,
 - may cause odour.
- Dispose of old filters as non-flammable waste.

3. Clean or replace the titanium apatite deodorizing filters or dust collection filters (PM2.5).

[Cleaning for titanium apatite deodorizing filter (Blue-Black)]

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.

- This filter can be renewed by washing it with water once **every 6 months** and we recommend replacing it once **every 3 years**.
- Do not wring out the filter when removing water from it.

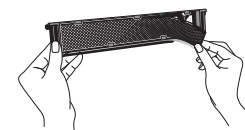
[Cleaning for dust collection filter (PM2.5) (White)]

- Do not wash the filters as this will reduce their efficiency.
- It is recommended to replace it once **every 6 months**.

[Replacement]

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

- Do not throw away the filter frame. Reuse the filter frame when replacing the titanium apatite deodorizing filter and dust collection filter (PM2.5).



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

4. Set the filters as they were and close the front panel.

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

Care and Cleaning

■ Prior to a long period of non-use

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

- Press  .

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 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 **AUTO** or any direct operation button was pressed soon after operation was stopped.
- When the mode was reselected.
 - This is to protect the air conditioner. You should wait for about 3 minutes.



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.
- Refrigerant flows inside the air conditioner even when one indoor unit is not in operation if the other indoor unit is 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.

■ Clipping 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

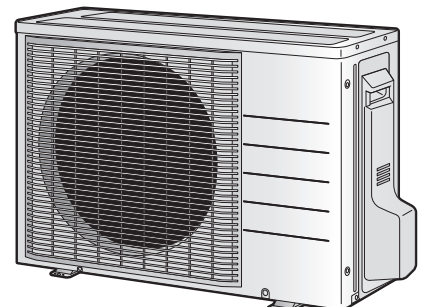
The outdoor unit emits water.

■ 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.



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

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 26

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 26

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 unit you are operating or another unit running in ECONO operation? ▶Page 14 • 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?

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 8 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 8
The LCD is blinking and the remote controller cannot be operated.	<input checked="" type="checkbox"/> <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 the LCD is blinking, the OFF button remains functional.)
Other electric devices start operating.	<input checked="" type="checkbox"/> <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 checked="" 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.

NOTE

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: -10-46°C Indoor temperature: 18-32°C Indoor humidity: 80% max.
HEAT	Outdoor temperature: -15-24°C Indoor temperature: 10-30°C

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 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

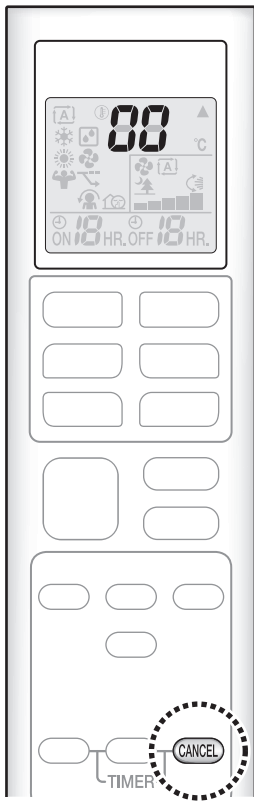
- The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.

■ 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.



■ Fault diagnosis by remote controller

- In case the air conditioner is malfunctioning, you can check the error code via the remote controller before consulting with service personnel and informing them of the malfunction code.

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

2. Press **CANCEL 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	FREEZE-UP PROTECTOR
	A6	FAN MOTOR FAULT
	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR
OUTDOOR UNIT	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 indicates non-corresponding codes.
- To cancel the code display, hold **CANCEL** down for about 5 seconds. The code display also clears if no button is pressed for 1 minute.

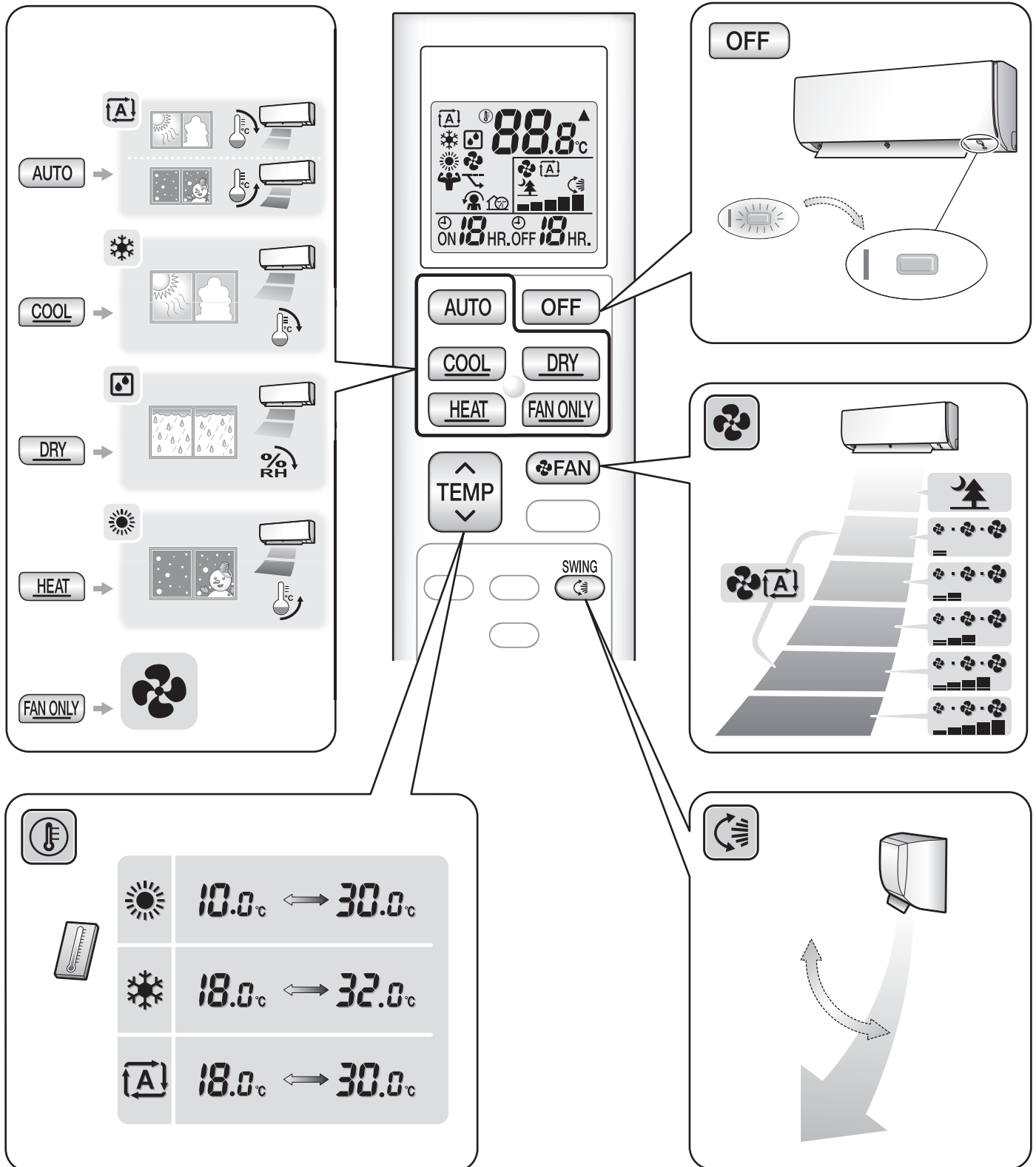
MEMO

MEMO

MEMO

MEMO

Quick Reference



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



The two-dimensional bar code is a manufacturing code.

3P372379-12Q M18N098A (1902) HT



OPERATION MANUAL

DAIKIN ROOM AIR CONDITIONER

MODELS

- FTKF20TVMA
- FTKF25TVMA
- FTKF35TVMA
- FTKF46TVMA
- FTKF50TVMA



Features

Enhanced comfort, energy savings and rapid cooling



COMFORT AIRFLOW

The airflow direction is upward while in COOL and DRY operation. This function prevents cold air from blowing directly on your body.

▶Page 12



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 14



POWERFUL

POWERFUL operation quickly maximises the cooling effect in any operation mode. ▶Page 13



OUTDOOR UNIT QUIET

OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit. This function is useful when you need to consider the noise for your neighbourhood. ▶Page 15






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Safety Precautions

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


- 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 observe 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.
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- 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 floor area larger than $-^*m^2$ for 20/25/35 class, 1.5m² for 46/50 class.
 - * Since the maximum refrigerant charge of the models is below 1.22kg, it does not have any limitation for the minimum floor area. 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. For details refer to the WARNING list in the "Safety Precautions" section of the installation manual for the outdoor unit.
- 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 air from the air conditioner, or to air that is too cool, 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 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.
- Do not sit or hang on the panel. The panel may fall, and injury or product malfunctioning may result.
- Do not sway the panel. The panel may hit people or objects, and injury or property damage may result.
- Do not let children play around the panel. Injury or property damage may result.
- Do not pull the wires. The wires may be broken and the panel may fall, and injury or property damage may result.
- Do not locate obstacles in the route. The panel may fall, and injury or property damage may result.
- Do not bend or damage the wires. The wires may be broken and the panel may fall, and injury or property damage may result.
- Do not put objects on the panel, or otherwise production malfunctioning may result.
- Do not use an unstable stand at the time of operating or maintaining the air conditioner, or otherwise you may topple over or injury yourself.
- Locate the remote controller in places out of reach of children. The wrong operation of the remote controller may result in injury.

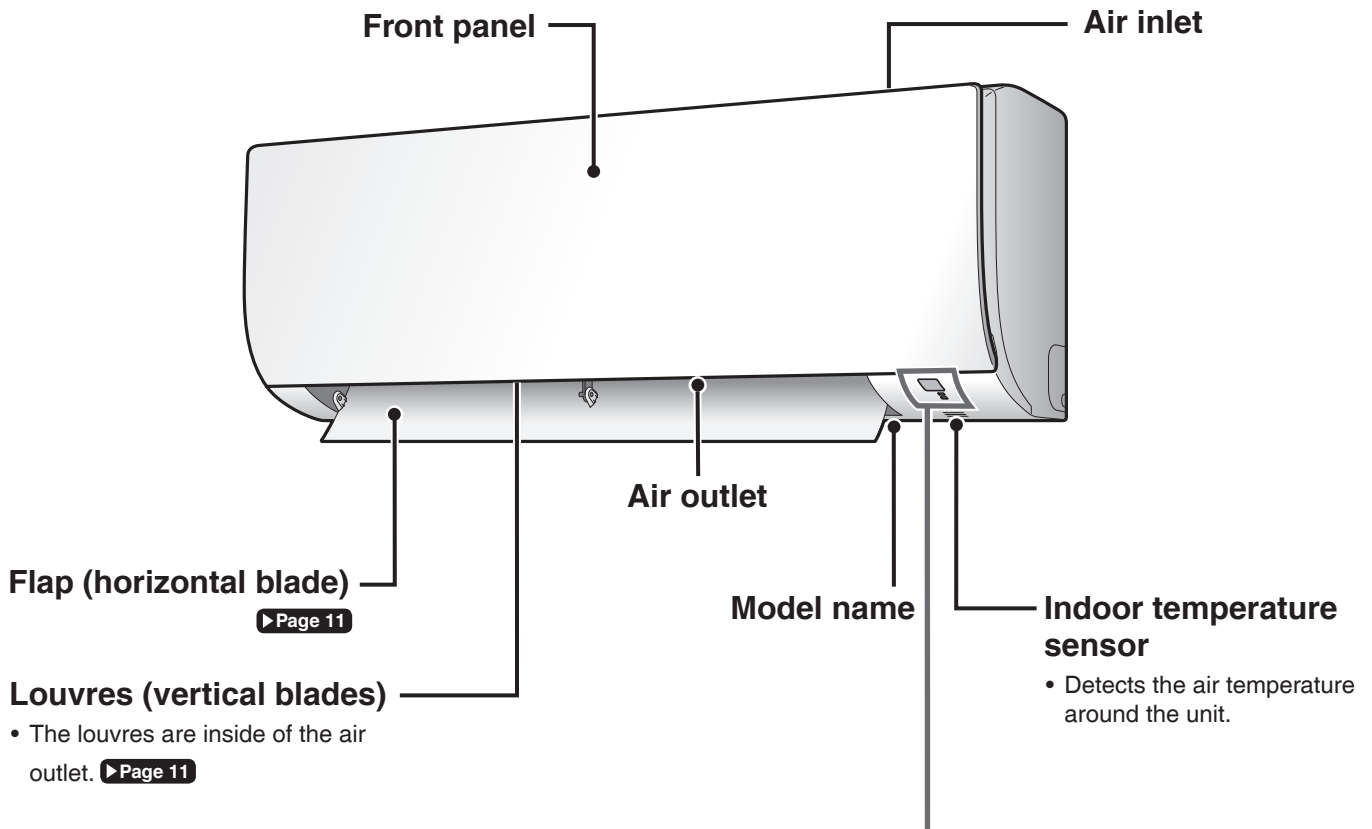
-  To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Before cleaning, be sure to stop unit operation and turn off the circuit breaker. Otherwise, an electric shock and injury may result.
- Only connect the 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.

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

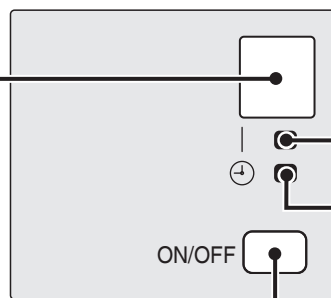


Display

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



▶Page 16,17

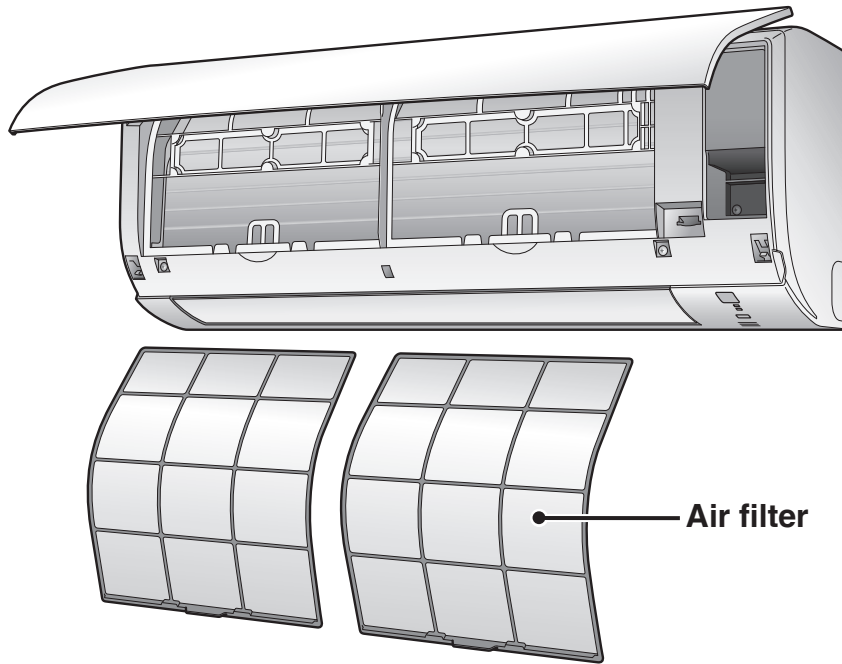
Indoor unit ON/OFF switch

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

Mode	Temperature setting	Airflow rate
COOL	22.0°C	AUTO

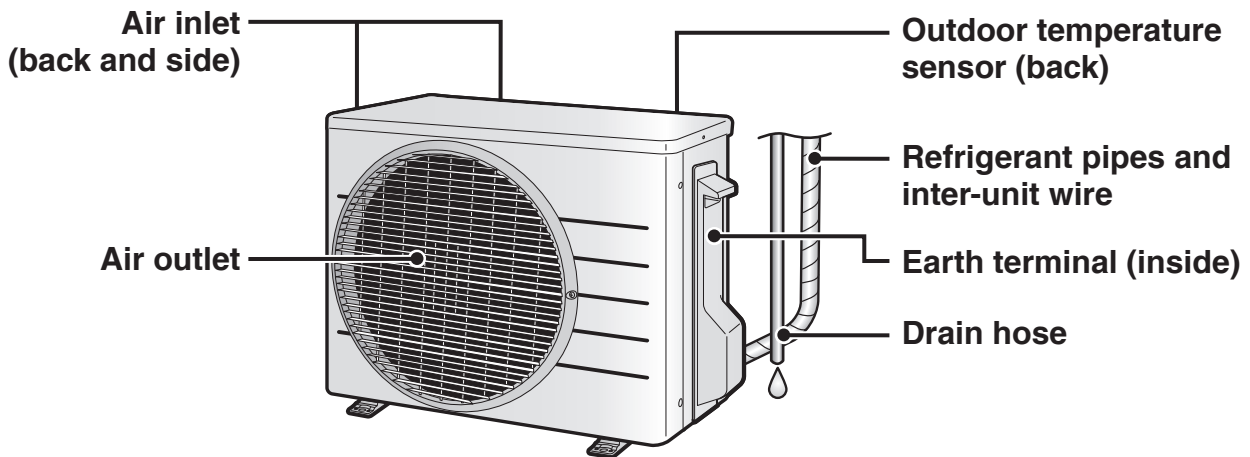
- This switch can be used when the remote controller is missing.

■ Open the front panel

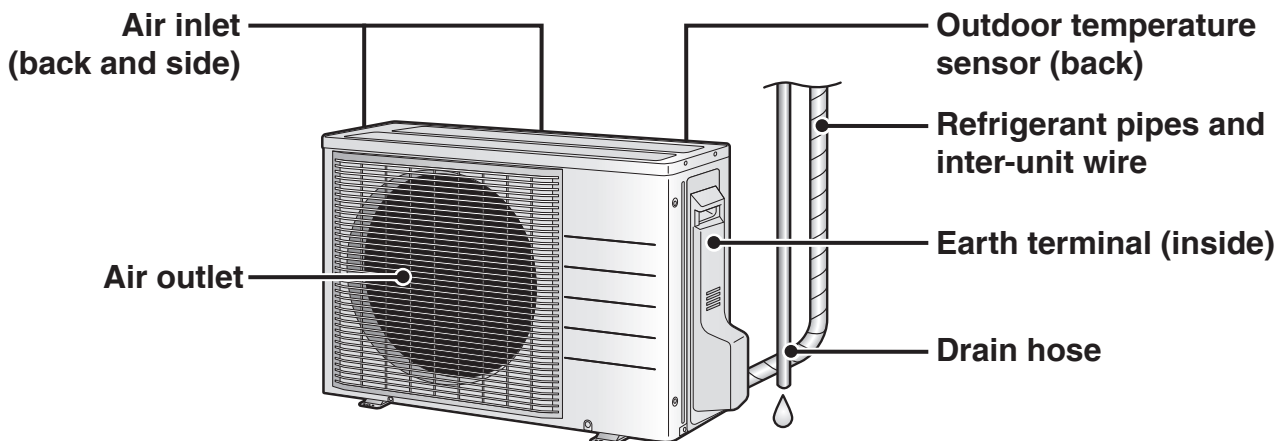


Outdoor Unit

■ RKF20/25/35

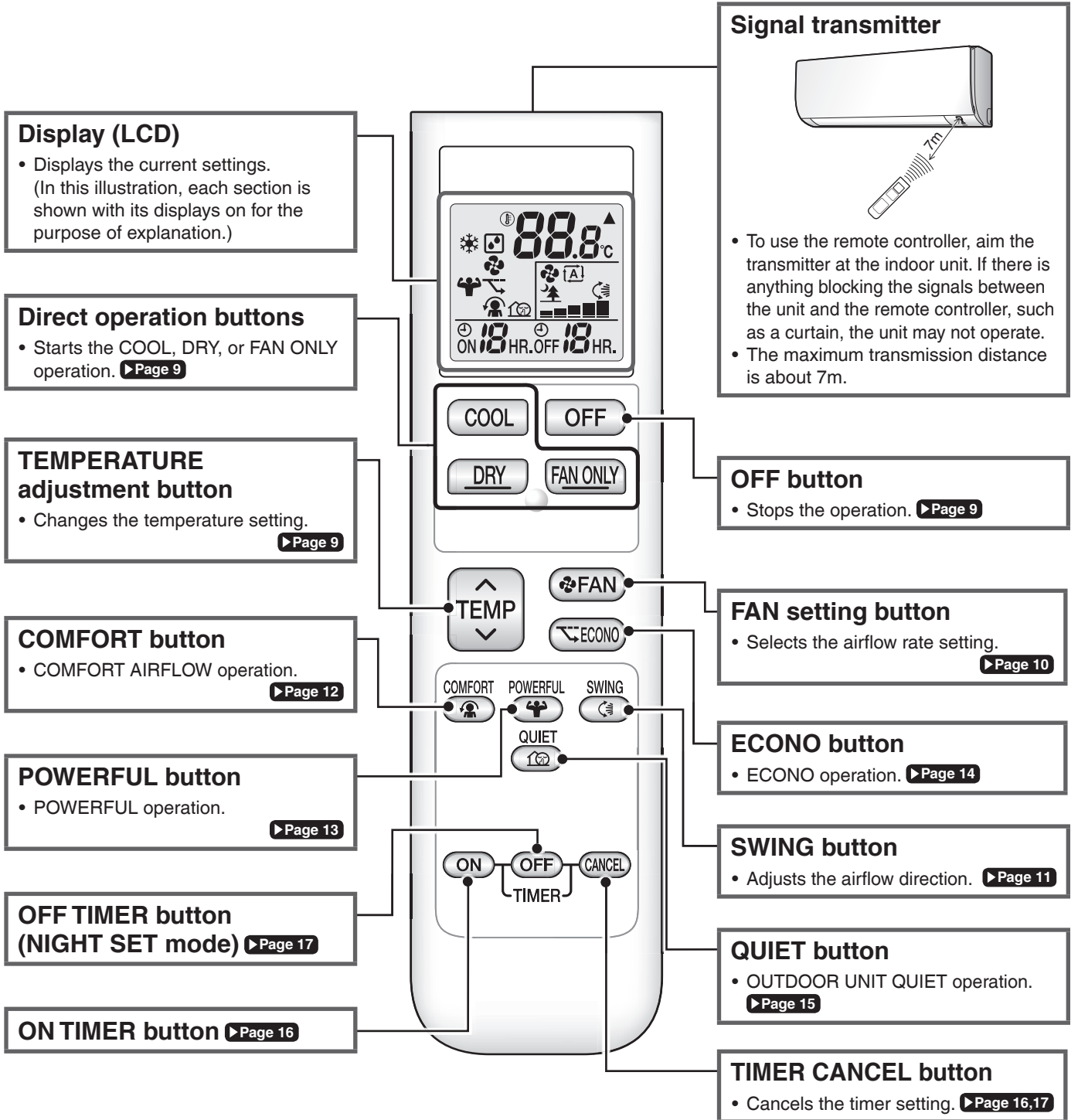


■ RKF46/50



Names of Parts

Remote Controller



Model name ARC480A49

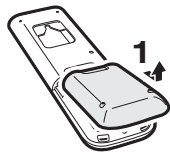
Preparation Before Operation

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.

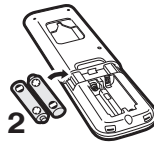
- If the alkaline solution from the batteries should get in the eyes, do not rub the eyes. Instead, immediately flush the eyes with tap water and seek the attention of a medical professional.
- Keep batteries out of reach of children. In the event that batteries are swallowed, seek the immediate attention 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

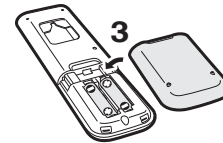


Slide the back cover to take it off.

Position \oplus
and \ominus
correctly!



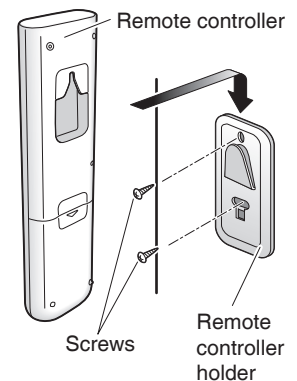
Set two dry batteries AAA.LR03 (alkaline).



Set the back cover as before.

■ To fix the remote controller holder to a wall

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



■ To attach the titanium apatite deodorizing filter (sold separately) and dust collection filter PM2.5 (sold separately)

- If attaching the separately sold filters, attach them before turning the power on. [▶ Page 20](#)

■ 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

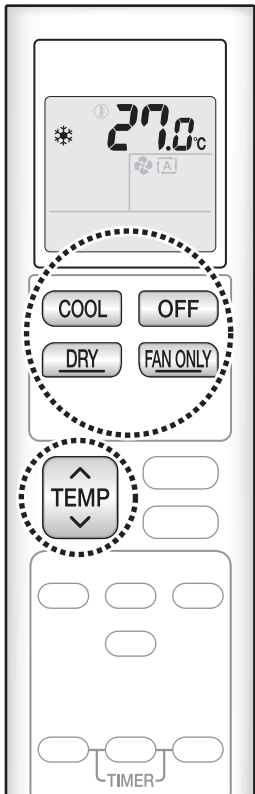
- To avoid possible injury or damage from battery leakage or rupturing, remove the batteries when not using the product for long periods of time.
- The standard replacement time is 1 year. Both batteries should be replaced at the same time. Be sure to replace them with new size AAA.LR03 (alkaline) batteries.
- When battery power has run out, the LCD will begin blinking 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.



COOL · DRY · FAN ONLY Operation



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

■ To start operation

▶ Press button of your desired operation mode.

COOL operation

Press **COOL** . “❄️” appears on the LCD.

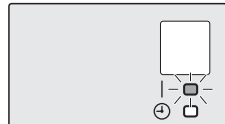
DRY operation

Press **DRY** . “💧” appears on the LCD.

FAN ONLY operation

Press **FAN ONLY** . “🌀” appears on the LCD.

- The OPERATION lamp lights green.



Display

■ To stop operation

▶ Press **OFF** .

- The OPERATION lamp goes off.

■ To change the temperature setting

▶ Press **TEMP** .

- Press **▲** to raise the temperature and press **▼** to lower the temperature. Each pressing of the button changes the temperature by 0.5°C.

COOL operation	DRY or FAN ONLY operation
18.0-32.0°C	The temperature setting cannot be changed.

NOTE

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.



Adjusting the Airflow Rate


You can adjust the airflow rate to increase your comfort.

■ To adjust the airflow rate setting

▶ Press **FAN** .

- Each pressing of **FAN** 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.
- At smaller airflow rates, the cooling effect is also smaller.



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

Cover windows with a blind or a curtain.

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

Keep the air filters clean.

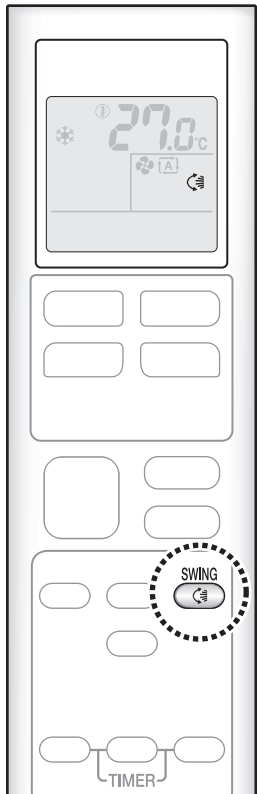
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks. [▶Page 19](#)

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.


⚠ CAUTION

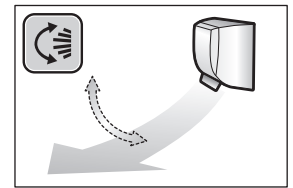
- Always use a remote controller to adjust the angle of the flap.
- If you attempt to move the flap forcibly by hand when it is swinging, the mechanism may be damaged.
- Be careful when adjusting the louvres.
- Inside the air outlet, a fan is rotating at a high speed.

Auto swing

For up and down airflow direction

1. Press  .

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



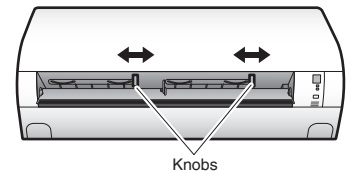
2. If you want to stop the movement of the flap, press  again when the flap reaches the desired position.

Manual adjustment

For right and left airflow direction

1. Hold the knobs and move the louvres (vertical blades) to the desired position.

- There are knobs in 2 places.

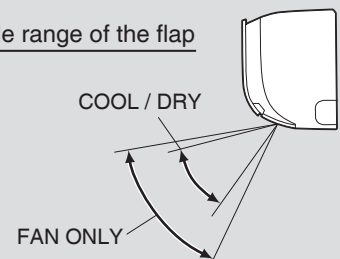


NOTE

Notes on airflow direction setting

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

Movable range of the flap





COMFORT AIRFLOW Operation



The air direction and flow rate are adjusted so that the air will not blow directly at people in the room.

■ To start

▶ Press  .


- “” appears on the LCD.

	COOL operation	DRY operation
Flap direction	Goes up	
Airflow rate	The airflow rate can be set to any level	AUTO

- Not available in FAN ONLY mode.

■ To cancel

▶ Press  again.

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

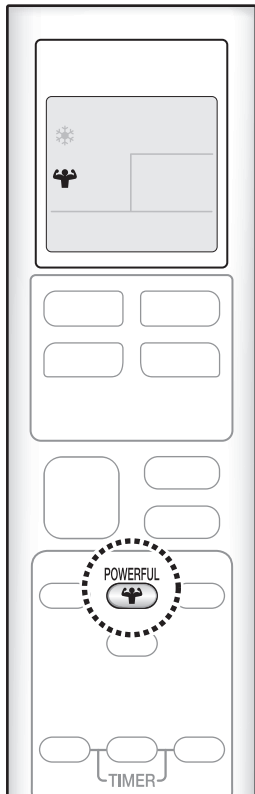
NOTE

Note on COMFORT AIRFLOW operation

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




POWERFUL Operation



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

■ To start

Press **POWERFUL** .

- “” appears 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

Press **POWERFUL**  again.

- “” disappears from the LCD.

NOTE

Notes on POWERFUL operation

- Pressing **OFF** causes the settings to be cancelled, 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 operation**
To maximise the cooling 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 operation.
 - **In DRY operation**
The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
 - **In FAN ONLY 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 + OUTDOOR UNIT QUIET	

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



ECONO 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.

■ To start

▶ Press  .

- “” appears on the LCD.
- Not available in FAN ONLY mode.



■ To cancel

▶ Press  again.

- “” disappears from the LCD.

NOTE

Notes on ECONO operation

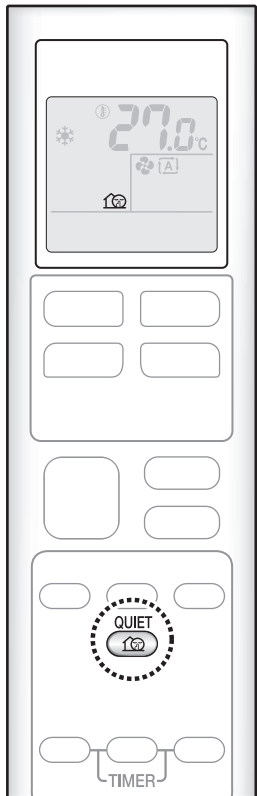
- This operation is performed with lower power and therefore may not provide a sufficient cooling effect.
- Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.

Some useful functions can be used together.

COMFORT AIRFLOW + ECONO	Available
OUTDOOR UNIT QUIET + ECONO	



OUTDOOR UNIT QUIET Operation



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


■ To start

▶ Press **QUIET** .

- “” appears on the LCD.


■ To cancel

▶ Press **QUIET**  again.

- “” disappears from the LCD.

NOTE

Notes on OUTDOOR UNIT QUIET operation

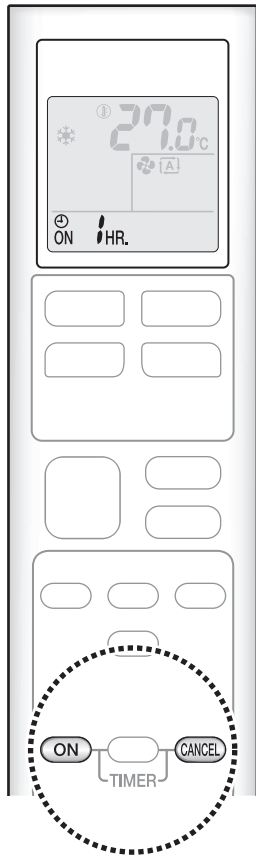
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- Even the operation is stopped by using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain on the remote controller display.
- OUTDOOR UNIT QUIET operation will drop neither the frequency nor fan speed if they have been already dropped low enough.

Possible combinations of OUTDOOR UNIT QUIET operation and basic operations

OUTDOOR UNIT QUIET	Operation mode		
	DRY	COOL	FAN
	–	√	–



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.

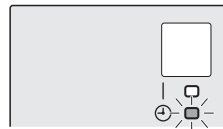
[ON TIMER operation]

■ To set

▶ Press **ON**.



- Each pressing of **ON** changes the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.



Display

■ To cancel

▶ Press **CANCEL**.

- “ON 1HR.” disappears from the LCD.
- The TIMER lamp goes off.

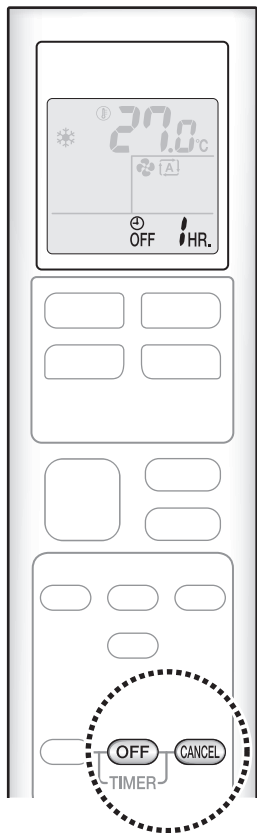
NOTE

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



[OFF TIMER operation]

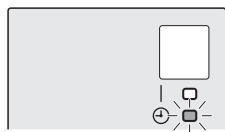
■ To set

▶ Press **OFF** .



“OFF 1HR.” appears on the LCD.

- Each pressing of **OFF** changes the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.



Display

■ To cancel

▶ Press **CANCEL** .

- “OFF 1HR.” disappears from the LCD.
- The TIMER lamp goes off.

[ON/OFF TIMER combination]

■ To combine

- A sample setting for combining the 2 timers is shown below.
- “ON” and “OFF” are appears on the LCD.

[Example]



When setting while the unit is operating

- Stops the unit 1 hour later and starts it 7 hours after that.



When setting while the unit is stopped

- Starts the unit 2 hours later and stops it 3 hours after that.

NOTE

NIGHT SET mode

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

Care and Cleaning

⚠ CAUTION

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

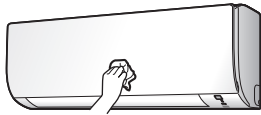
■ Quick reference

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.

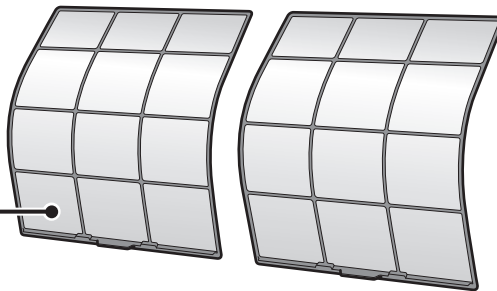
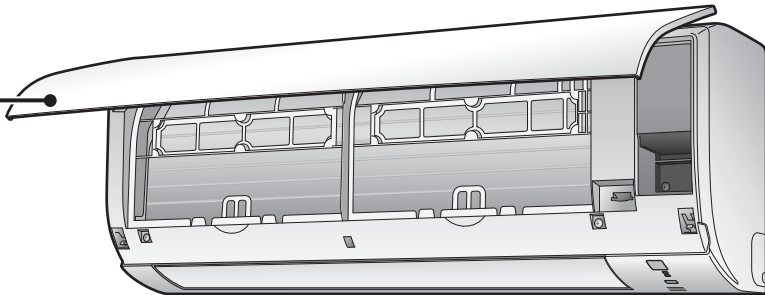
Once every 2 weeks

▶ Page 19

Indoor unit, outdoor unit and remote controller

- Wipe them with a soft cloth.

If dirty



Titanium apatite deodorizing filter (sold separately) and dust collection filter (PM2.5) (sold separately)

Titanium apatite deodorizing filters and dust collection filters are sold separately (not included with the air conditioner).

To purchase, contact the dealer where you bought the air conditioner.

Item	Part No.
Titanium apatite deodorizing filter - without frame (set of 2)	KAF970A46
Dust collection filter (PM2.5) - without frame (set of 2)	BAFP046A41

Titanium apatite deodorizing filter

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

▶ Page 20

[Replacement]

Once every 3 years

▶ Page 20

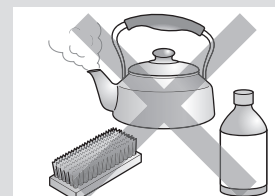
Dust collection filter (PM2.5)

- No cleaning is required. Please replace the filter every 6 months. ▶ Page 20

NOTE

For cleaning, do not use any of the following:

- Water hotter than 40°C
- Volatile liquid such as benzene, petrol and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush



Care and Cleaning

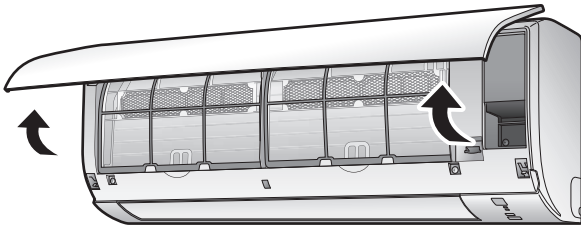
⚠ CAUTION

- Do not touch the aluminium fins by bare hand at the time of dismounting or mounting the filter.

■ Air filter

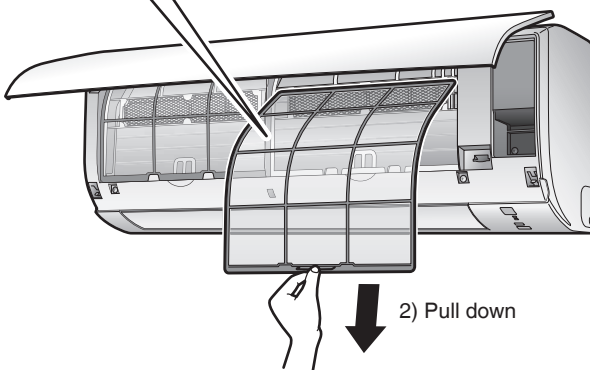
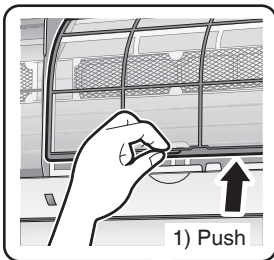
1. Open the front panel.

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



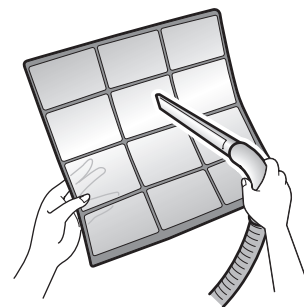
2. Pull out the air filters.

- 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 vacuum cleaner.

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



If the dust does not come off easily

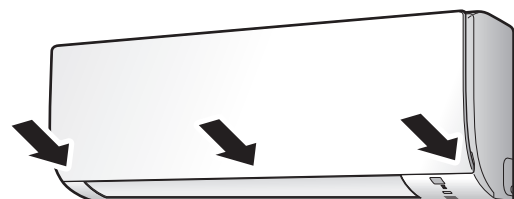
- Wash the air filters with neutral detergent thinned with lukewarm water, then dry them up in the shade.



4. Reattach the filters.

5. Close the front panel slowly.

- Press the panel at both sides and the centre.



- Make sure that the front panel is securely fixed.

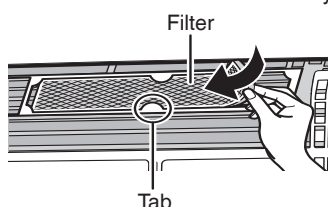
■ Titanium apatite deodorizing filter (sold separately) / dust collection filter (PM2.5) (sold separately)

Attaching

1. Open the front panel and pull out the air filters. ▶Page 19

2. Insert the titanium apatite deodorizing filters or dust collection filters (PM2.5).

- Check that the filters are inserted securely under the tabs.

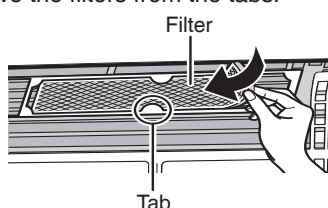


Cleaning and Replacement

1. Open the front panel and pull out the air filters. ▶Page 19

2. Take off the titanium apatite deodorizing filters or dust collection filters (PM2.5).

- Remove the filters from the tabs.



3. Clean or replace the titanium apatite deodorizing filters or dust collection filters (PM2.5).

[Cleaning for titanium apatite deodorizing filter (Blue-Black)]

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.

- This filter can be renewed by washing it with water once **every 6 months** and we recommend replacing it once **every 3 years**.
- Do not wring out the filter when removing water from it.

[Cleaning for dust collection filter (PM2.5) (White)]

- Do not wash the filters as this will reduce their efficiency.
- It is recommended to replace it once **every 6 months**.

[Replacement]

Remove each filter from the front grille by detaching them from the 6 tabs and then install the new filters.

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

4. Set the filters as they were and close the front panel.

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

NOTE

- Operation with dirty filters:
 - cannot deodorise the air,
 - cannot clean the air,
 - results in poor cooling,
 - may cause odour.
- Dispose of old filters as non-flammable waste.

Care and Cleaning

■ Prior to a long period of non-use

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

- Press  .

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

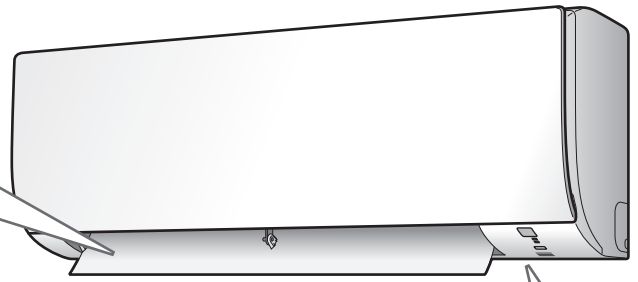
- In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist in addition to regular cleaning by the user.
- For specialist maintenance, please contact the 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.



Operation does not start soon.

- **When any direct operation button was pressed soon after operation was stopped.**
- **When the mode was reselected.**
 - This is to protect the air conditioner. You should wait for about 3 minutes.

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.
- Refrigerant flows inside the air conditioner even when one indoor unit is not in operation if the other indoor unit is in operation.

■ 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.

■ Clicking sound during operation or idle time

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

■ Clopping sound

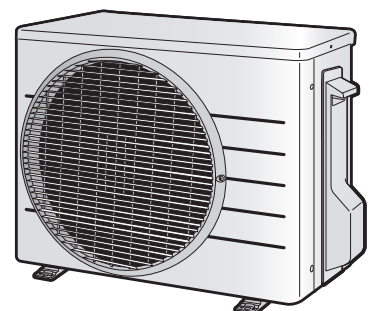
- This sound is heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.

Outdoor unit

The outdoor unit emits water.

■ In COOL or DRY operation

- Moisture in the air condenses into water on the cool surface of the outdoor unit piping and drips.



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

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 26

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 26

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

Case	Description / what to check
Air does not come out.	<ul style="list-style-type: none"> 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 unit you are operating or another unit running in ECONO operation? ▶Page 14 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?

Mist comes out

Case	Description / what to check
Mist comes out of the indoor unit.	<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.

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"/> • The batteries may be exhausted. Replace both batteries with new dry batteries AAA.LR03 (alkaline). For details, refer to "Preparation Before Operation". ▶ Page 8 <input checked="" type="checkbox"/> • 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. <input checked="" type="checkbox"/> • 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"/> • The batteries may be exhausted. Replace both batteries with new dry batteries AAA.LR03 (alkaline). For details, refer to "Preparation Before Operation". ▶ Page 8
The LCD is blinking and the remote controller cannot be operated.	<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 LCD is blinking, the OFF button remains functional.)
Other electric devices start operating.	<input checked="" type="checkbox"/> • 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"/> • 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 checked="" type="checkbox"/> • 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.

NOTE

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: 10-46°C Indoor temperature: 18-32°C Indoor humidity: 80% max.

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 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

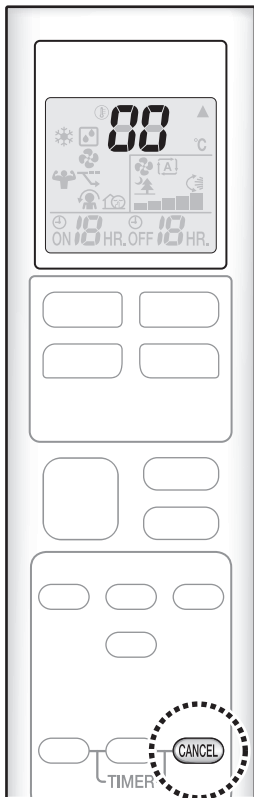
- The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.

■ 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.



■ Fault diagnosis by remote controller

- In case the air conditioner is malfunctioning, you can check the error code via the remote controller before consulting with service personnel and informing them of the malfunction code.

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

2. Press **CANCEL repeatedly until a long beep is produced.**

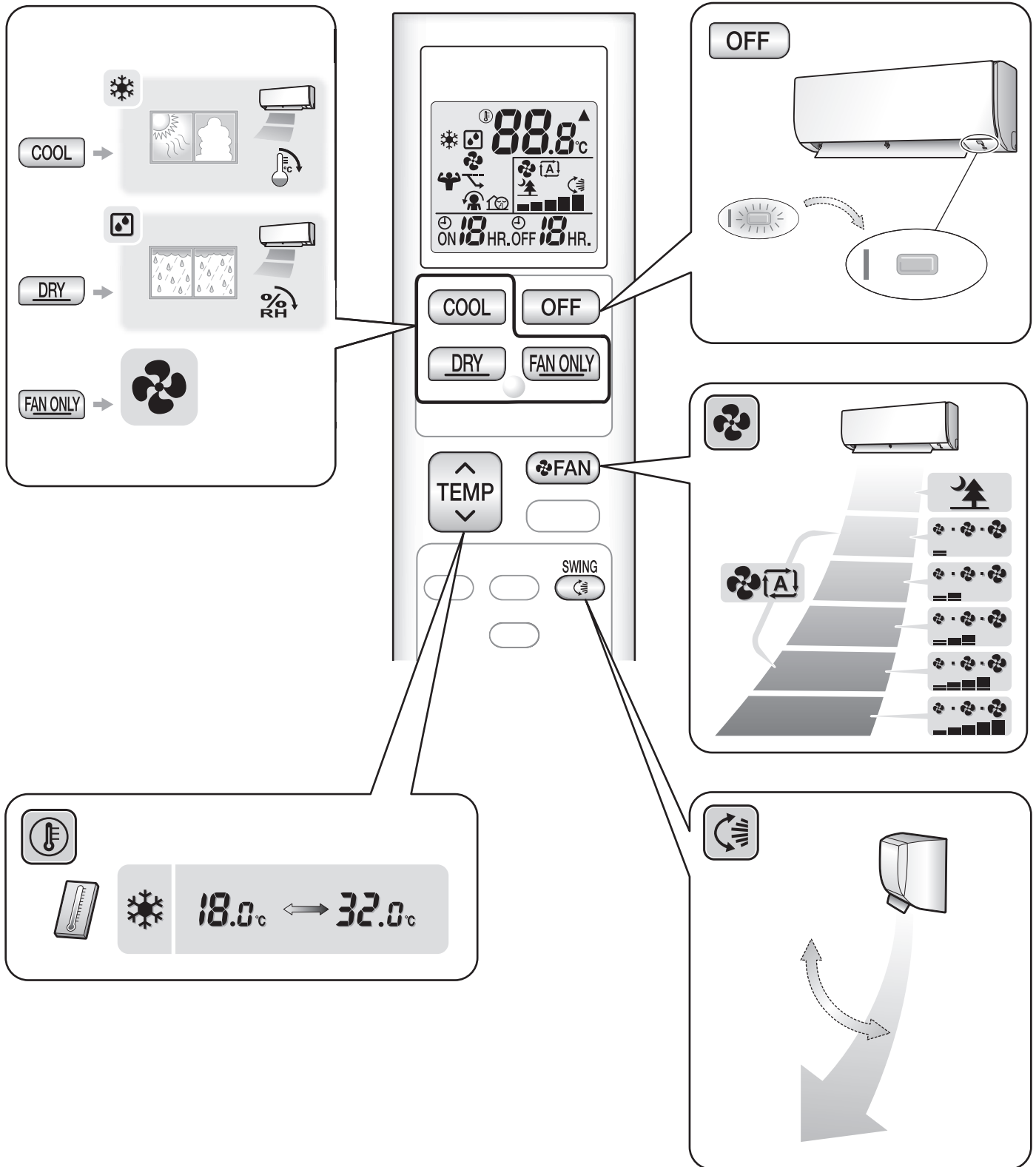
- The code indication changes as shown below, and notifies you with a long beep.

	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	FREEZE-UP PROTECTOR
	A6	FAN MOTOR FAULT
	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR
OUTDOOR UNIT	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 indicates non-corresponding codes.
- To cancel the code display, hold **CANCEL** down for about 5 seconds. The code display also clears if no button is pressed for 1 minute.

Quick Reference



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The two-dimensional bar code is a manufacturing code.

3P372379-16N M18N117 (1906)HT



OPERATION MANUAL

DAIKIN ROOM AIR CONDITIONER

MODELS

- FTKF60TVMA
- FTKF71TVMA



Features

Enhanced comfort, energy savings and rapid cooling



COMFORT AIRFLOW

The airflow direction is upward while in COOL and DRY operation. This function prevents cold air from blowing directly on your body. ▶Page 12



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 14



POWERFUL

POWERFUL operation quickly maximises the cooling effect in any operation mode. ▶Page 13



OUTDOOR UNIT QUIET

OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit. This function is useful when you need to consider the noise for your neighbourhood. ▶Page 15






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Safety Precautions

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


- 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.


	<p>WARNING</p>	<p>Failure to follow these instructions properly may result in personal injury or loss of life.</p>
	<p>CAUTION</p>	<p>Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.</p>


	<p>Never attempt.</p>		<p>Be sure to follow the instructions.</p>		<p>Be sure to establish an earth connection.</p>
---	-----------------------	---	--	---	--

- 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 floor area larger than 1.9m² for 60 class, 2.1m² for 71 class.
 - * Since the maximum refrigerant charge of the models is below 1.22kg, it does not have any limitation for the minimum floor area. 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. For details refer to the WARNING list in the "Safety Precautions" section of the installation manual for the outdoor unit.
- 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 air from the air conditioner, or to air that is too cool, 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 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.
- Do not sit or hang on the panel. The panel may fall, and injury or product malfunctioning may result.
- Do not sway the panel. The panel may hit people or objects, and injury or property damage may result.
- Do not let children play around the panel. Injury or property damage may result.
- Do not pull the wires. The wires may be broken and the panel may fall, and injury or property damage may result.
- Do not locate obstacles in the route. The panel may fall, and injury or property damage may result.
- Do not bend or damage the wires. The wires may be broken and the panel may fall, and injury or property damage may result.
- Do not put objects on the panel, or otherwise production malfunctioning may result.
- Do not use an unstable stand at the time of operating or maintaining the air conditioner, or otherwise you may topple over or injury yourself.
- Locate the remote controller in places out of reach of children. The wrong operation of the remote controller may result in injury.

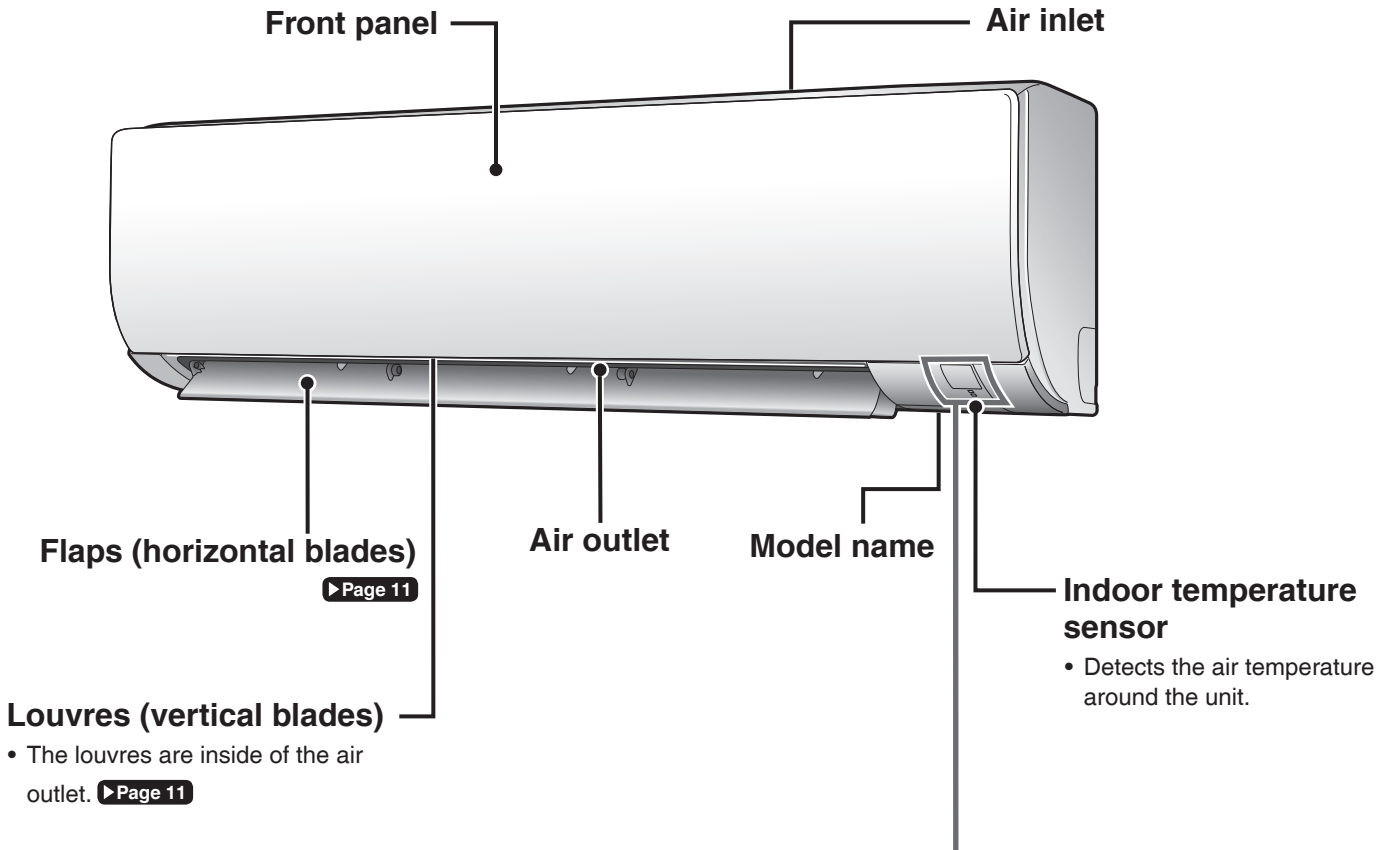
-  To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Before cleaning, be sure to stop unit operation and turn off the circuit breaker. Otherwise, an electric shock and injury may result.
- Only connect the 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.

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

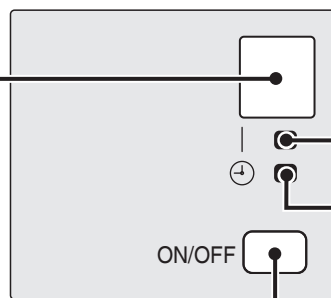


Display

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



▶ Page 16,17

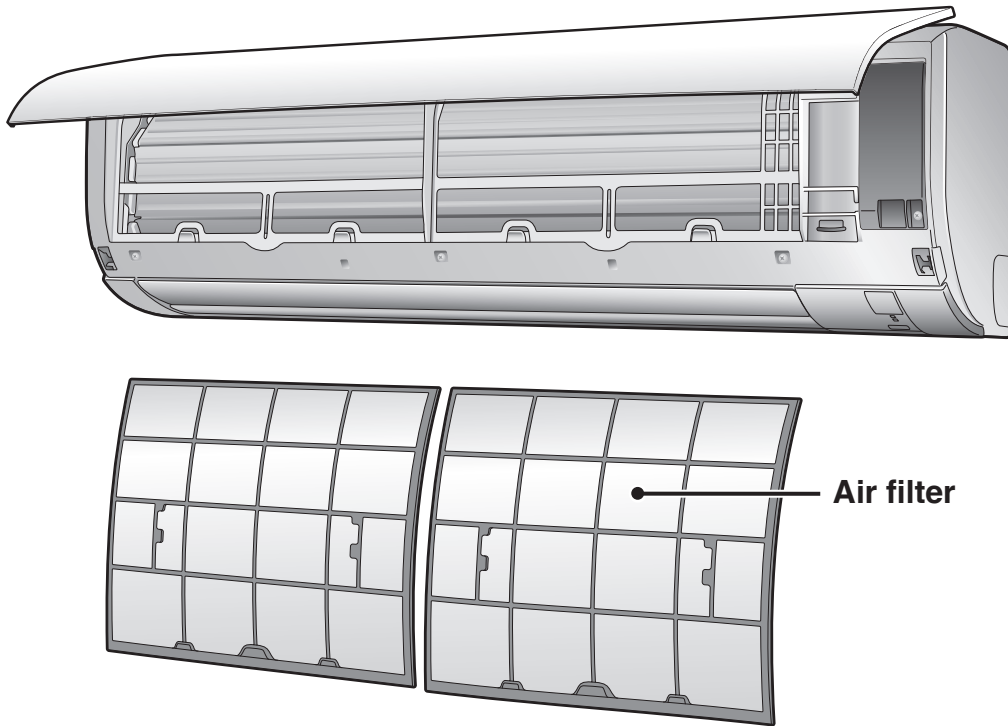
Indoor unit ON/OFF switch

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

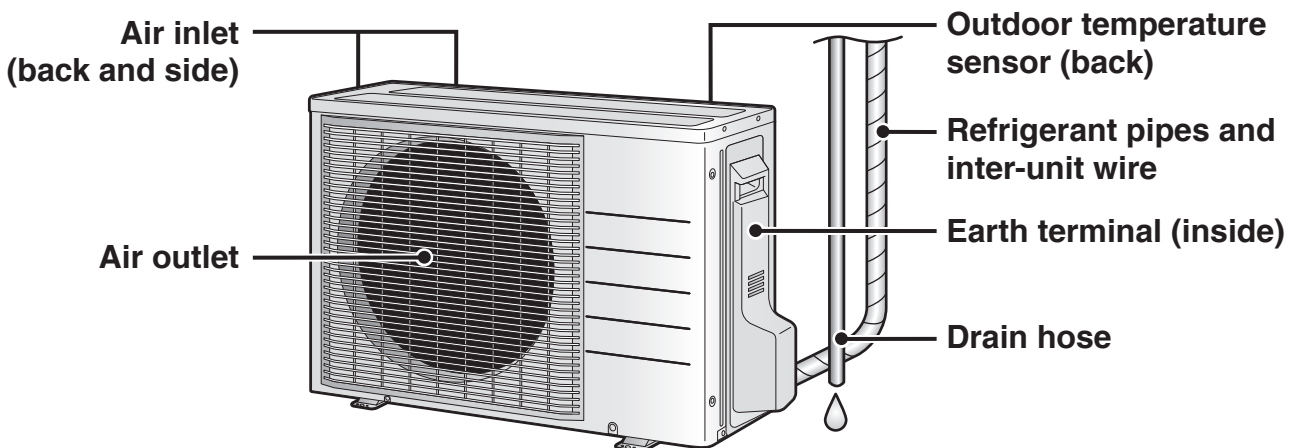
Mode	Temperature setting	Airflow rate
COOL	22.0°C	AUTO

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

■ Open the front panel

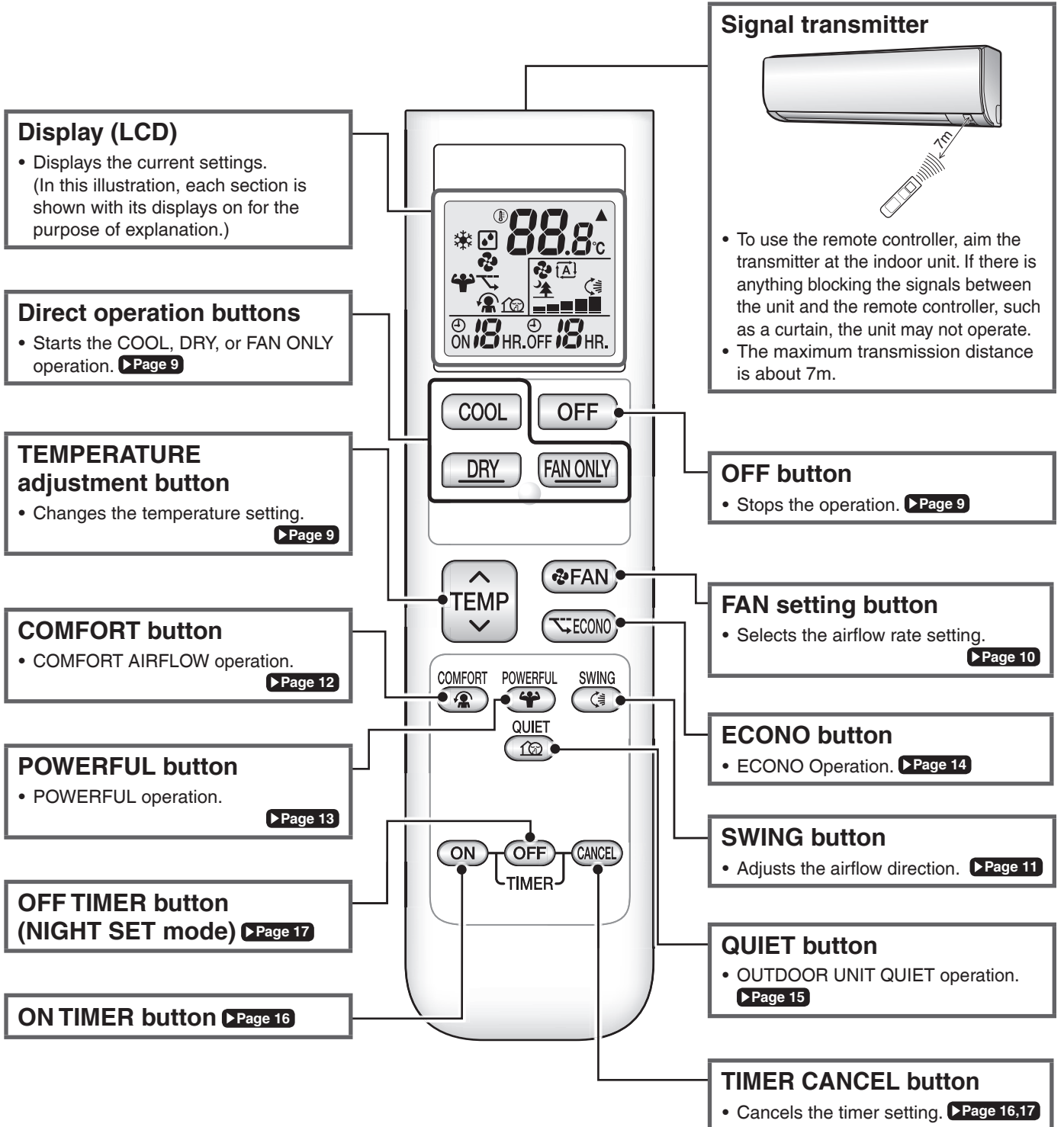


Outdoor Unit



Names of Parts

Remote Controller



Model name | ARC480A49

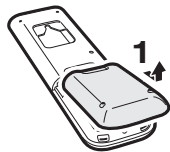
Preparation Before Operation

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.

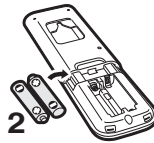
- If the alkaline solution from the batteries should get in the eyes, do not rub the eyes. Instead, immediately flush the eyes with tap water and seek the attention of a medical professional.
- Keep batteries out of reach of children. In the event that batteries are swallowed, seek the immediate attention 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

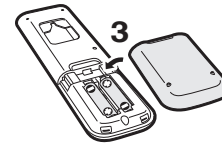


Slide the back cover to take it off.

Position \oplus
and \ominus
correctly!



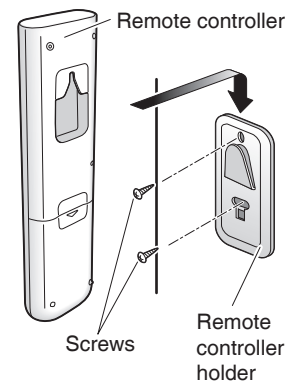
Set two dry batteries AAA.LR03 (alkaline).



Set the back cover as before.

■ To fix the remote controller holder to a wall

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



■ To attach the titanium apatite deodorizing filter (sold separately) and dust collection filter PM2.5 (sold separately)

- If attaching the separately sold filters, attach them before turning the power on. [▶ Page 20](#)

■ 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.

NOTE

Notes on batteries

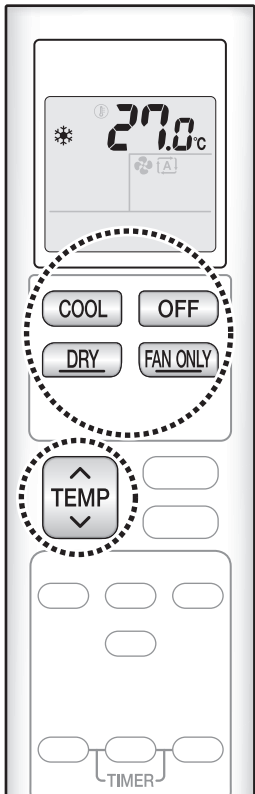
- To avoid possible injury or damage from battery leakage or rupturing, remove the batteries when not using the product for long periods of time.
- The standard replacement time is 1 year. Both batteries should be replaced at the same time. Be sure to replace them with new size AAA.LR03 (alkaline) batteries.
- When battery power has run out, the LCD will begin blinking 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.



COOL · DRY · FAN ONLY Operation



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

■ To start operation

▶ Press button of your desired operation mode.

COOL operation

Press **COOL** . “❄️” appears on the LCD.

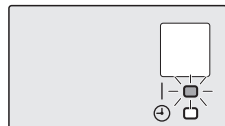
DRY operation

Press **DRY** . “💧” appears on the LCD.

FAN ONLY operation

Press **FAN ONLY** . “🌀” appears on the LCD.

- The OPERATION lamp lights green.



Display

■ To stop operation

▶ Press **OFF** .

- The OPERATION lamp goes off.

■ To change the temperature setting

▶ Press **TEMP** .

- Press **▲** to raise the temperature and press **▼** to lower the temperature. Each pressing of the button changes the temperature by 0.5°C.

COOL operation	DRY or FAN ONLY operation
18.0-32.0°C	The temperature setting cannot be changed.

NOTE

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.



Adjusting the Airflow Rate

You can adjust the airflow rate to increase your comfort.

■ To adjust the airflow rate setting

▶ Press **FAN** .

- Each pressing of **FAN** 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.
- At smaller airflow rates, the cooling effect is also smaller.



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

Cover windows with a blind or a curtain.

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

Keep the air filters clean.

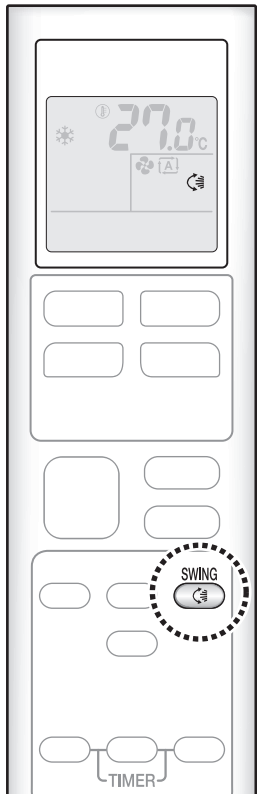
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks. [▶Page 19](#)

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.


⚠ CAUTION

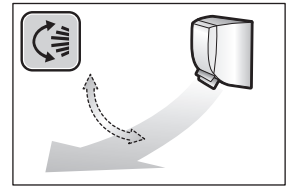
- Always use a remote controller to adjust the angle of the flaps.
- If you attempt to move the flaps forcibly by hand when they are swinging, the mechanism may be damaged.
- Be careful when adjusting the louvres.
- Inside the air outlet, a fan is rotating at a high speed.

Auto swing

For up and down airflow direction

1. Press  .

- “” appears on the LCD.
- The flaps (horizontal blade) will begin to swing.



2. If you want to stop the movement of the flaps, press

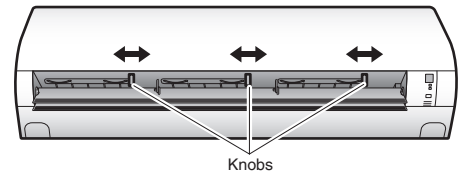
 again when the flaps reach the desired position.

Manual adjustment

For right and left airflow direction

► Hold the knobs and move the louvres (vertical blades) to the desired position.

- There are knobs in 3 places.

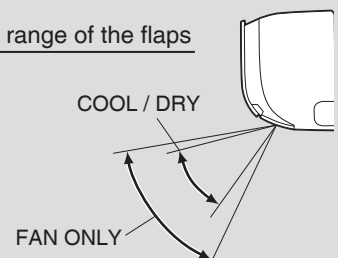


NOTE

Notes on airflow direction setting

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

Movable range of the flaps





COMFORT AIRFLOW Operation



The air direction and flow rate are adjusted so that the air will not blow directly at people in the room.

■ To start

▶ Press  .


- “” appears on the LCD.

	COOL operation	DRY operation
Flaps direction	Goes up	
Airflow rate	The airflow rate can be set to any level	AUTO

- Not available in FAN ONLY mode.

■ To cancel

▶ Press  again.

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

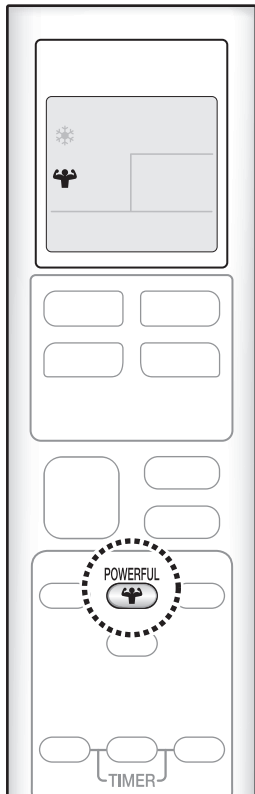
NOTE

Note on COMFORT AIRFLOW operation

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




POWERFUL Operation



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

■ To start

▶ Press **POWERFUL** .

- “” appears 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

▶ Press **POWERFUL**  again.

- “” disappears from the LCD.

NOTE

Notes on POWERFUL operation

- Pressing **OFF** causes the settings to be cancelled, 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 operation**
To maximise the cooling 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 operation.
 - In **DRY operation**
The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
 - In **FAN ONLY 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 + OUTDOOR UNIT QUIET	

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



ECONO 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.


■ To start

▶ Press  .

- “” appears on the LCD.
- Not available in FAN ONLY mode.



■ To cancel

▶ Press  again.

- “” disappears from the LCD.

NOTE

Notes on ECONO operation

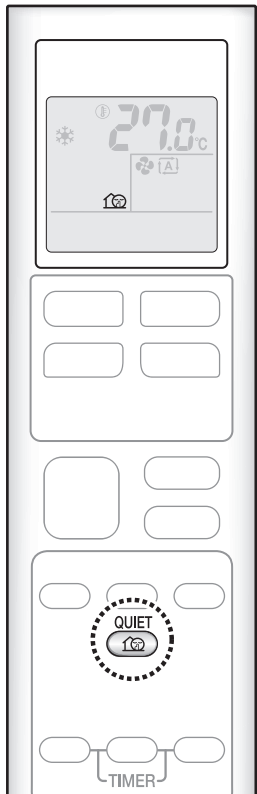
- This operation is performed with lower power and therefore may not provide a sufficient cooling effect.
- Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.

Some useful functions can be used together.

COMFORT AIRFLOW + ECONO	Available
OUTDOOR UNIT QUIET + ECONO	



OUTDOOR UNIT QUIET Operation



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

■ To start

▶ Press **QUIET** .

- “” appears on the LCD.


■ To cancel

▶ Press **QUIET**  again.

- “” disappears from the LCD.

NOTE

Notes on OUTDOOR UNIT QUIET operation

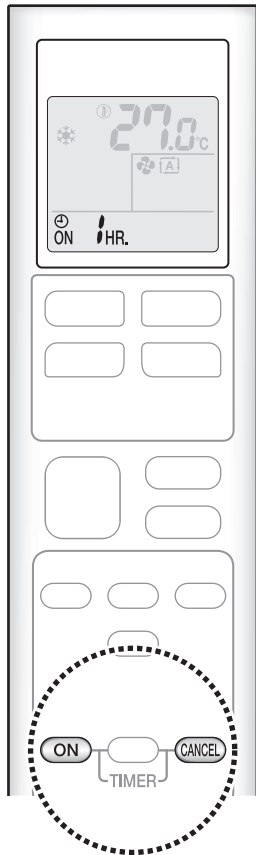
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- Even the operation is stopped by using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain on the remote controller display.
- OUTDOOR UNIT QUIET operation will drop neither the frequency nor fan speed if they have been already dropped low enough.

Possible combinations of OUTDOOR UNIT QUIET operation and basic operations

OUTDOOR UNIT QUIET	Operation mode		
	DRY	COOL	FAN
	-	√	-



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.

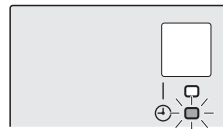
[ON TIMER operation]

■ To set

▶ Press **ON**.



- Each pressing of **ON** changes the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.



Display

■ To cancel

▶ Press **CANCEL**.

- "ON 1HR." disappears from the LCD.
- The TIMER lamp goes off.

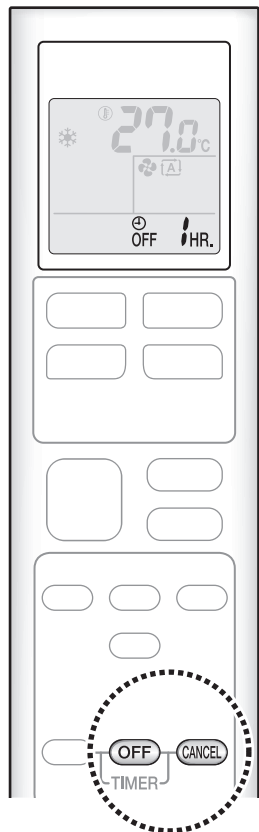
NOTE

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



[OFF TIMER operation]

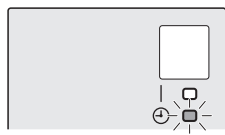
■ To set

▶ Press **OFF** .



“OFF 1HR.” appears on the LCD.

- Each pressing of **OFF** changes the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.



Display

■ To cancel

▶ Press **CANCEL** .

- “OFF 1HR.” disappears from the LCD.
- The TIMER lamp goes off.

[ON/OFF TIMER combination]

■ To combine

- A sample setting for combining the 2 timers is shown below.
- “ON” and “OFF” are appears on the LCD.

[Example]



When setting while the unit is operating

- Stops the unit 1 hour later and starts it 7 hours after that.



When setting while the unit is stopped

- Starts the unit 2 hours later and stops it 3 hours after that.

NOTE

NIGHT SET mode

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

Care and Cleaning

⚠ CAUTION

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

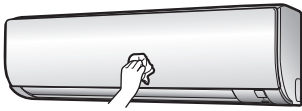
■ Quick reference

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.

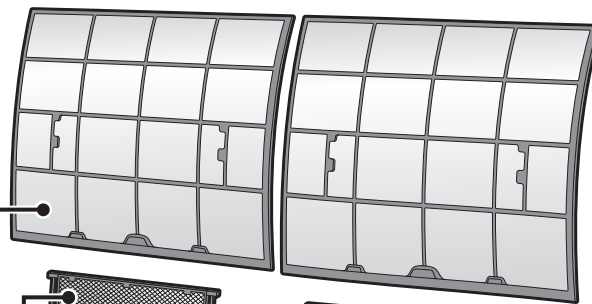
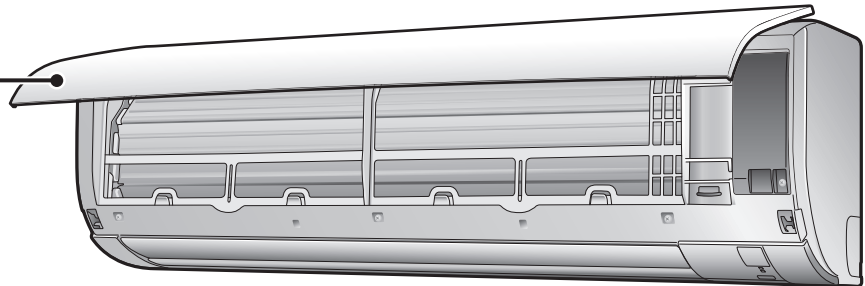
Once every 2 weeks

▶ Page 19

Indoor unit, outdoor unit and remote controller

- Wipe them with a soft cloth.

If dirty



Titanium apatite deodorizing filter (sold separately) and dust collection filter (PM2.5) (sold separately)

Titanium apatite deodorizing filters and dust collection filters are sold separately (not included with the air conditioner).

To purchase, contact the dealer where you bought the air conditioner.

Item	Part No.
Titanium apatite deodorizing filter - with frame (set of 2)	KAF970A45
Dust collection filter (PM2.5) - with frame (set of 2)	BAFP046A42

Titanium apatite deodorizing filter

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

▶ Page 20

[Replacement]

Once every 3 years

▶ Page 20

Dust collection filter (PM2.5)

- No cleaning is required. Please replace the filter every 6 months. ▶ Page 20

NOTE

For cleaning, do not use any of the following:

- Water hotter than 40°C
- Volatile liquid such as benzine, petrol and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush



Care and Cleaning

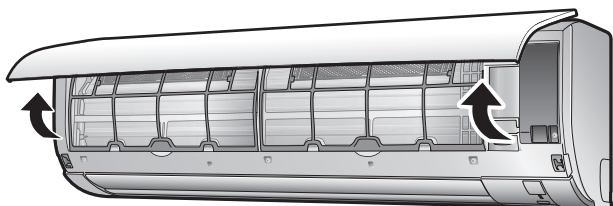
⚠ CAUTION

- Do not touch the aluminium fins by bare hand at the time of dismounting or mounting the filter.

■ Air filter

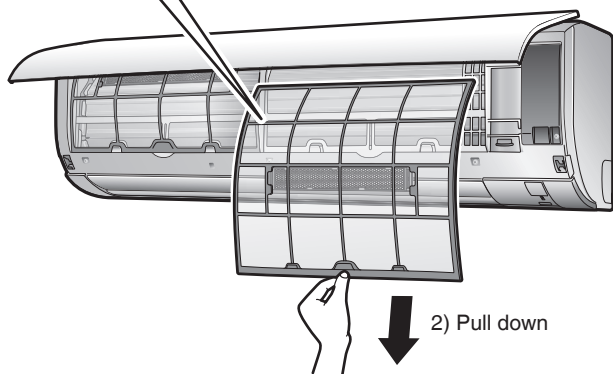
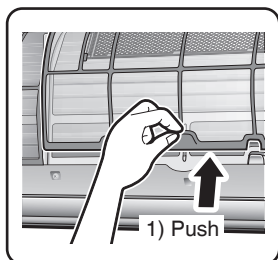
1. Open the front panel.

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



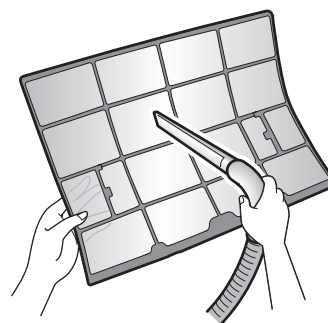
2. Pull out the air filters.

- 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 vacuum cleaner.

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



If the dust does not come off easily

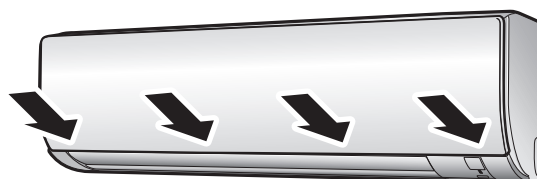
- Wash the air filters with neutral detergent thinned with lukewarm water, then dry them up in the shade.



4. Reattach the filters.

5. Close the front panel slowly.

- Press the panel at both sides and the centre.



- Make sure that the front panel is securely fixed.

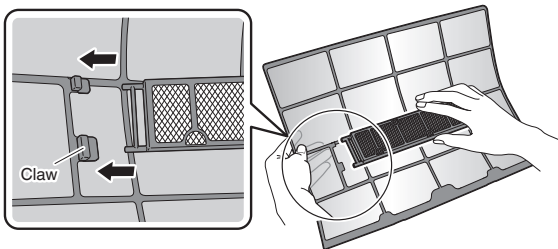
■ Titanium apatite deodorizing filter (sold separately) / dust collection filter (PM2.5) (sold separately)

Attaching

1. Open the front panel and pull out the air filters. ▶Page 19

2. Insert the titanium apatite deodorizing filters or dust collection filters (PM2.5).

- Check that the filters are inserted securely under the tabs.

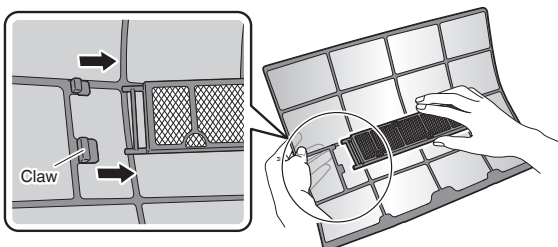


Cleaning and Replacement

1. Open the front panel and pull out the air filters. ▶Page 19

2. Take off the titanium apatite deodorizing filters or dust collection filters (PM2.5).

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



NOTE

- Operation with dirty filters:
 - cannot deodorise the air,
 - cannot clean the air,
 - results in poor cooling,
 - may cause odour.
- Dispose of old filters as non-flammable waste.

3. Clean or replace the titanium apatite deodorizing filters or dust collection filters (PM2.5).

[Cleaning for titanium apatite deodorizing filter (Blue-Black)]

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.

- This filter can be renewed by washing it with water once **every 6 months** and we recommend replacing it once **every 3 years**.
- Do not wring out the filter when removing water from it.

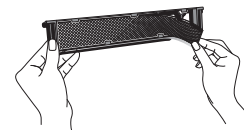
[Cleaning for dust collection filter (PM2.5) (White)]

- Do not wash the filters as this will reduce their efficiency.
- It is recommended to replace it once **every 6 months**.

[Replacement]

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

- Do not throw away the filter frame. Reuse the filter frame when replacing the titanium apatite deodorizing filter and dust collection filter (PM2.5).



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

4. Set the filters as they were and close the front panel.

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

Care and Cleaning

■ Prior to a long period of non-use

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

- Press  .

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 flaps do not start swinging immediately.

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

Operation does not start soon.

- **When any direct operation button was pressed soon after operation was stopped.**
- **When the mode was reselected.**
 - This is to protect the air conditioner. You should wait for about 3 minutes.



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.
- Refrigerant flows inside the air conditioner even when one indoor unit is not in operation if the other indoor unit is in operation.

■ 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.

■ Clicking sound during operation or idle time

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

■ Clopping sound

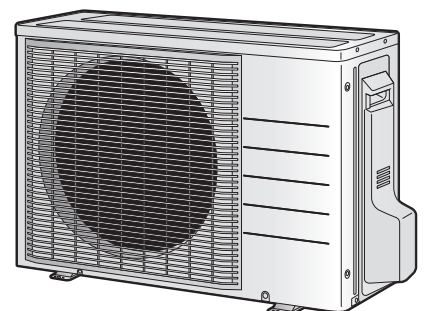
- This sound is heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.

Outdoor unit

The outdoor unit emits water.

■ 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 26

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 26

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

Case	Description / what to check
Air does not come out	<ul style="list-style-type: none"> ■ 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 unit you are operating or another unit running in ECONO operation? ▶Page 14 • 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?

Mist comes out

Case	Description / what to check
Mist comes out of the indoor unit.	<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.

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"/> • The batteries may be exhausted. Replace both batteries with new dry batteries AAA.LR03 (alkaline). For details, refer to "Preparation Before Operation". ▶ Page 8 <input checked="" type="checkbox"/> • 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. <input checked="" type="checkbox"/> • 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"/> • The batteries may be exhausted. Replace both batteries with new dry batteries AAA.LR03 (alkaline). For details, refer to "Preparation Before Operation". ▶ Page 8
The LCD is blinking and the remote controller cannot be operated.	<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 LCD is blinking, the OFF button remains functional.)
Other electric devices start operating.	<input checked="" type="checkbox"/> • 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"/> • 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 checked="" type="checkbox"/> • 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.

NOTE

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: 10-46°C Indoor temperature: 18-32°C Indoor humidity: 80% max.

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 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

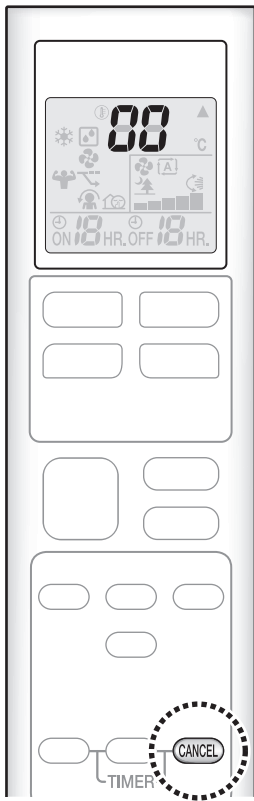
- The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.

■ 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.



■ Fault diagnosis by remote controller

- In case the air conditioner is malfunctioning, you can check the error code via the remote controller before consulting with service personnel and informing them of the malfunction code.

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

2. Press **CANCEL repeatedly until a long beep is produced.**

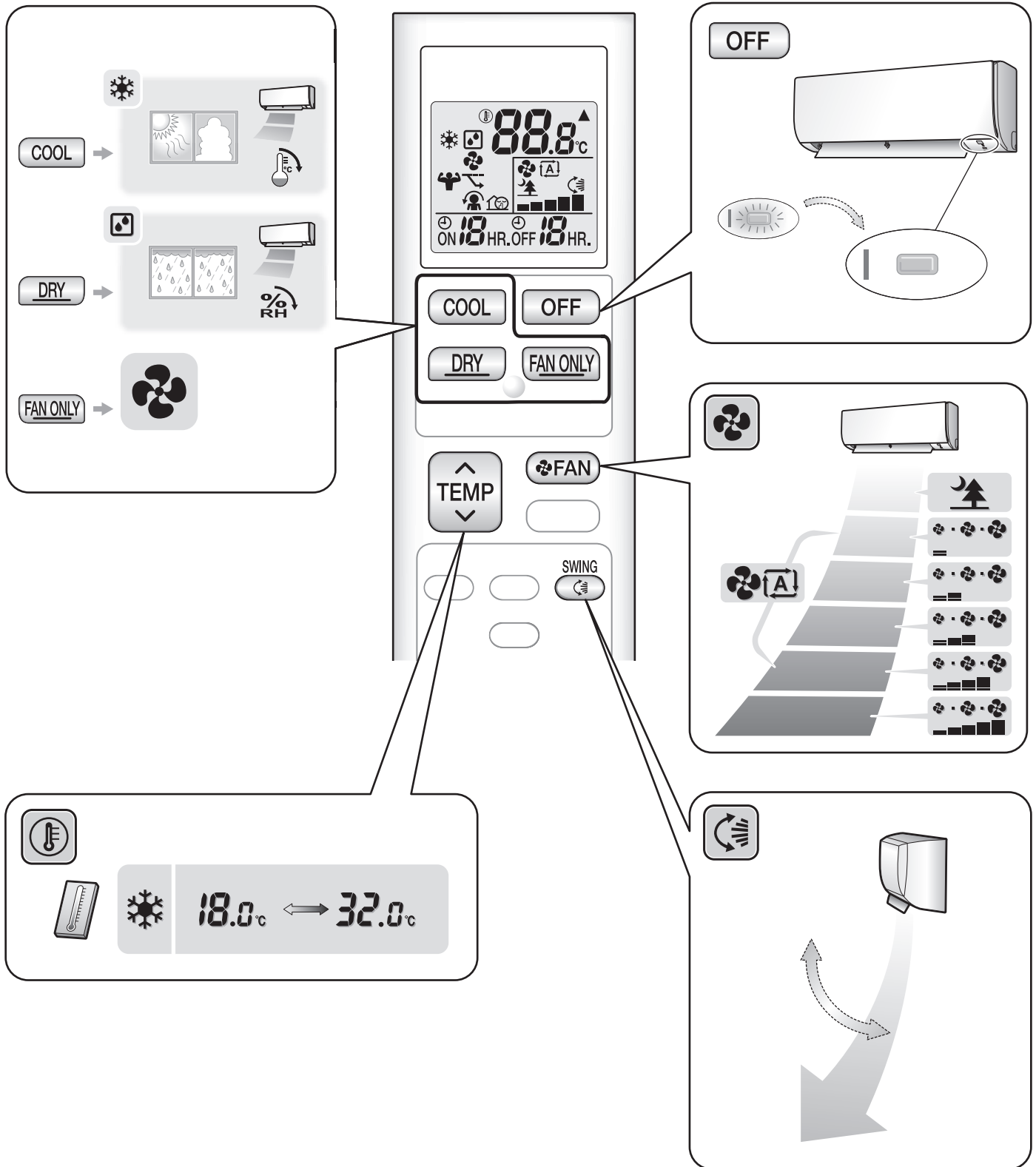
- The code indication changes as shown below, and notifies you with a long beep.

	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	FREEZE-UP PROTECTOR
	A6	FAN MOTOR FAULT
	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR
OUTDOOR UNIT	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 indicates non-corresponding codes.
- To cancel the code display, hold **CANCEL** down for about 5 seconds. The code display also clears if no button is pressed for 1 minute.

Quick Reference



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<http://www.daikin.com>



The two-dimensional bar code is a manufacturing code.

3P372379-17N M18N118 (1906) HT