

DAIKIN ROOM AIR CONDITIONER

OPERATION MANUAL

INVERTER

MODELS

- ☒ GTHT50TV16UZ+RHTG50TV16UZ
- ☒ GTHT60TV16UZ+RHTG60TV16UZ



Features

Enhanced comfort and energy savings



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

Other functions



COANDA












The airflow direction is upward while in COOL operation, and downward while in HEAT operation. This function prevents cold or warm air from blowing directly on your body. ▶Page 13

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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.
- Read the precautions in this manual carefully before operating the unit.
- The precautions described herein are classified as WARNING and CAUTION. They both contain important information regarding safety. Be sure to observe all precautions without fail.

WARNING

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

CAUTION

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



Never attempt.




Be sure to follow the instructions.





Be sure to establish an earth connection.

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


WARNING


- 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 may result due to contact with the air conditioner's high-speed fan blades.
- Do not attempt to repair, dismantle, reinstall or modify the air conditioner yourself as this may result in water leakage, electric shock or fire hazards.
- Do not use flammable spray near the air conditioner, or otherwise fire may result.
- Do not use a refrigerant other than the one indicated on the outdoor unit (R32) when installing, moving or repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.
- To avoid electric shock, do not operate with wet hands.

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

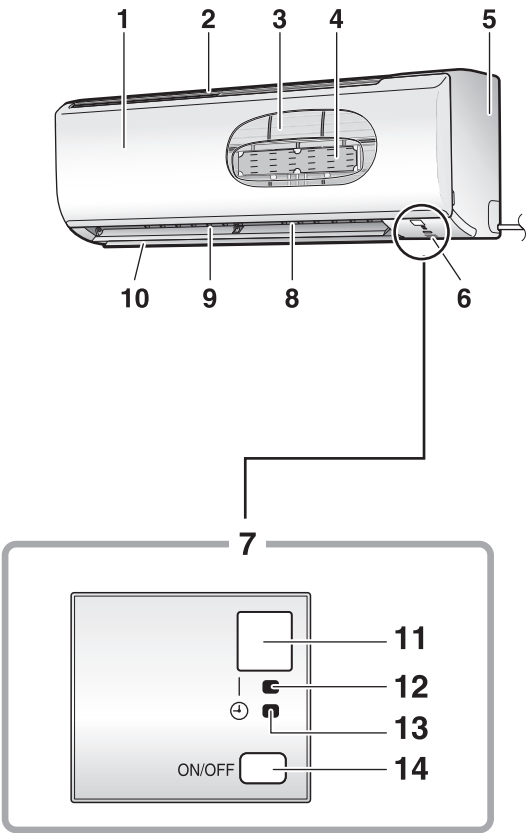
- Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner for cooling precision instruments, food, plants, animals or works of art as this may adversely affect the performance, quality and/or longevity of the object concerned. 
- Do not expose 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.

- 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.

P007

Name of Parts

Indoor Unit



- 1. Front panel
- 2. Air inlet
- 3. Air filter
- 4. Accessory filter
- 5. Model name plate
- 6. Indoor temperature sensor:
 - It senses the air temperature around the unit.
- 7. Display
- 8. Air outlet
- 9. Louvers (vertical blades):
 - The louvers are inside of the air outlet. [▶Page 10](#)
- 10. Dual Flap (horizontal blade) [▶Page 10](#)
- 11. Signal receiver:
 - It 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
Settings changed	beep
Operation stop	long beep

- 12. OPERATION lamp (green)
- 13. TIMER lamp (yellow) [▶Page 15-17](#)
- 14. Indoor unit ON/OFF switch:

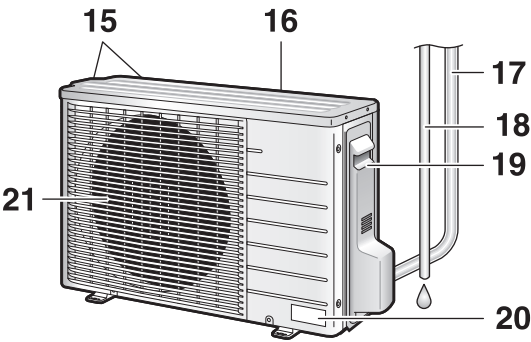
- Press this switch once to start operation. Press once again to stop it.
- The operation mode refers to the following table.

Mode	Temperature setting	Airflow rate
AUTO	25°C	AUTO

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

- 15. Air inlet (back and side)
- 16. Outdoor temperature sensor (back)
- 17. Refrigerant piping and inter-unit wiring
- 18. Drain hose
- 19. Earth terminal:
 - It is inside of this cover.
- 20. Model name plate
- 21. Air outlet

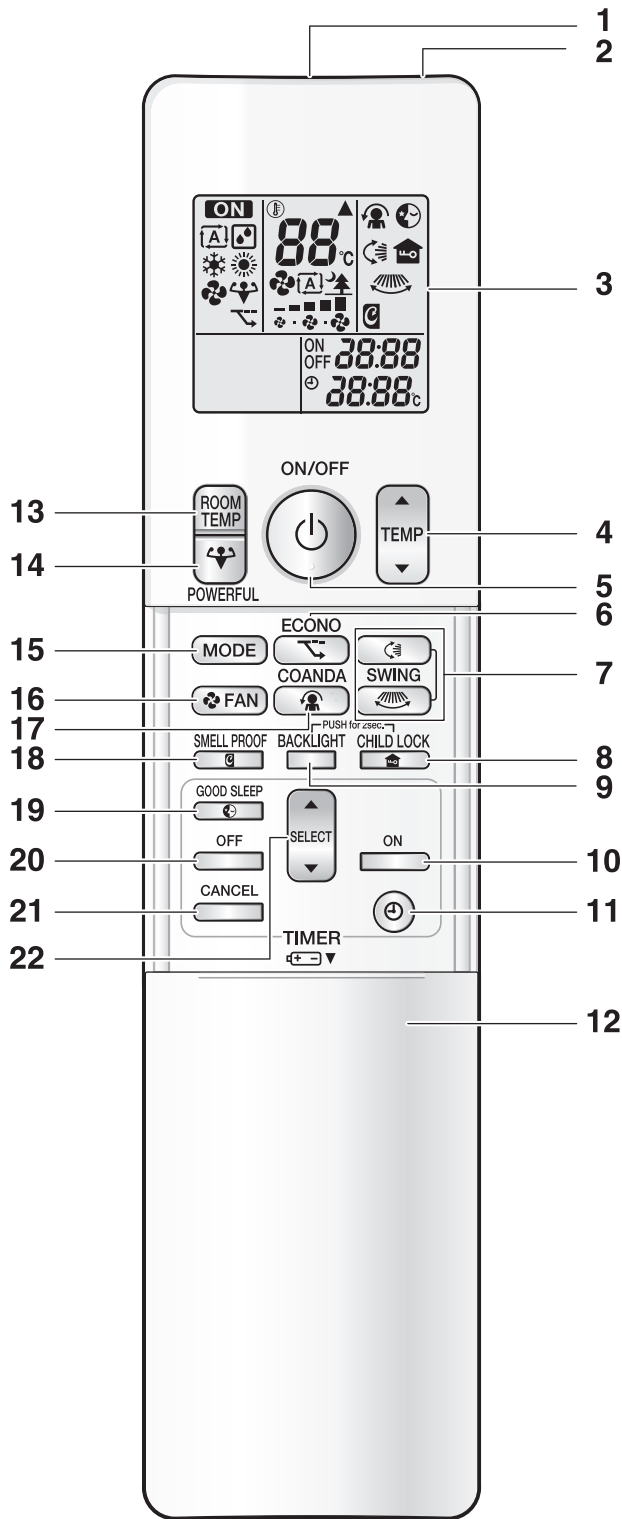
Outdoor Unit



Appearance of the indoor/outdoor unit may differ from some models.

Names of Parts

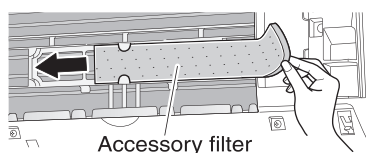
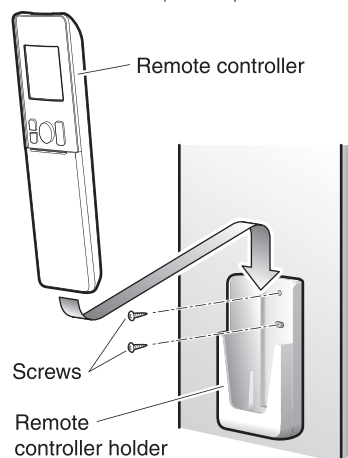
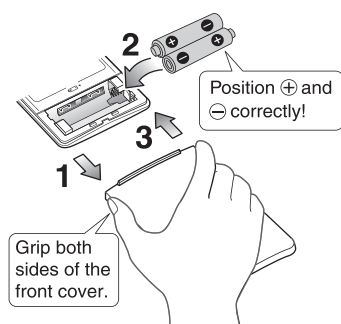
■ Remote Controller



[Model: ARC479A21]

- 1. Signal transmitter:**
 - It sends signals to the indoor unit.
- 2. Room temperature sensor** ▶Page 9
- 3. Display (LCD):**
 - Displays the current settings.
(In this illustration, each section is shown with its displays on for the purpose of explanation.)
- 4. TEMPERATURE adjustment button:**
 - Changes the temperature setting. ▶Page 9
- 5. ON/OFF button:**
 - Press this button once to start operation.
Press once again to stop it. ▶Page 8
- 6. ECONO button** ▶Page 14
- 7. SWING button:**
 - Adjusts the airflow direction. ▶Page 10
- 8. CHILD LOCK button** ▶Page 18
- 9. BACKLIGHT button** ▶Page 7
- 10. ON TIMER button** ▶Page 16
- 11. CLOCK button** ▶Page 7
- 12. Front cover:**
 - Open the front cover.
- 13. ROOM TEMPERATURE button** ▶Page 9
- 14. POWERFUL button** ▶Page 12
- 15. MODE selector button:**
 - Selects the operation mode.
(AUTO/DRY/COOL/HEAT/FAN) ▶Page 8
- 16. FAN setting button:**
 - Selects the airflow rate setting. ▶Page 11
- 17. COANDA button** ▶Page 13
- 18. SMELL PROOF button** ▶Page 11
- 19. GOOD SLEEP OFF TIMER button** ▶Page 17
- 20. OFF TIMER button (NIGHT SET mode)** ▶Page 15
- 21. TIMER CANCEL button:**
 - Cancels the timer setting. ▶Page 15-17
- 22. SELECT button:**
 - Changes the clock, ON/OFF TIMER and
GOOD SLEEP OFF TIMER settings. ▶Page 15-17

Preparation before Operation



■ To set the batteries

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

■ To fix the remote controller holder on the wall

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

■ To install the Accessory filter

- Set the Accessory filters under the tabs of the filter frame on the indoor unit.
- When installing the Accessory filter refer to “Care and Cleaning”, and pull out the air filters.

► Page 19, 20, 21

■ Turn on the circuit breaker

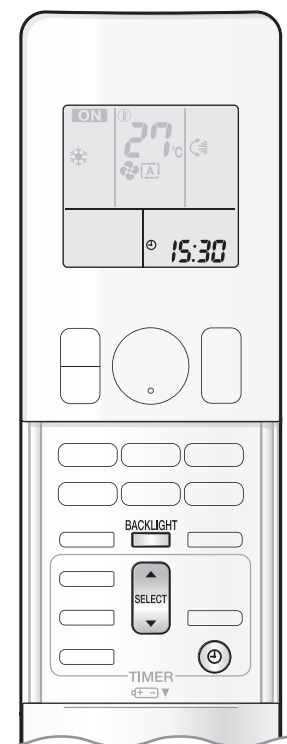
After the power is turned on, the flap of the indoor unit opens and closes once to set the reference position.

NOTE

■ Notes on batteries

- Do not use a leaking battery.
- When replacing the batteries, use batteries of the same type, and replace both old batteries together.
- When the system is not used for a long time, take the batteries out.
- If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both batteries with new, dry batteries (AAA).
- The attached batteries are provided for the initial use of the system.
The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

Preparation before Operation



■ To set the clock

1. Press .



• “⌚” blinks.

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

• Holding down ▲ or ▼ rapidly increases or decreases the displayed time.

3. Press .



• “:” blinks.

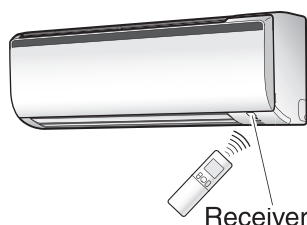
■ To set the BACKLIGHT

Turning off the LCD backlight reduces battery consumption. (Default: on)

BACKLIGHT

1. Press  for about 2 seconds.

- Pressing the button for about 2 seconds switches the backlight ON/OFF. When it is switched off, the backlight goes out. When it is switched on, the backlight comes on.



■ To operate the remote controller

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

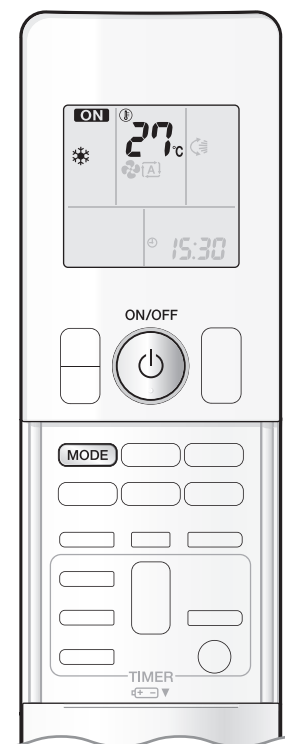
NOTE

■ Notes on remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult your dealer if that is the case.
- If the remote controller activates other electric devices, move them away or consult your dealer.



AUTO · DRY · COOL · HEAT · FAN Operation

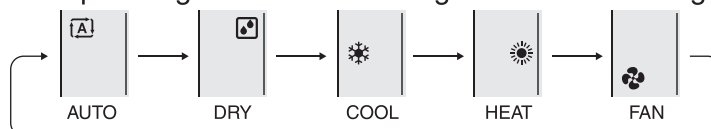


The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

■ To start operation

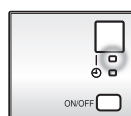
1. Press **MODE** and select an operation mode.

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



2. Press .

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



Display

■ To stop operation

1. Press again.

- “**ON**” disappears from the LCD.
- The OPERATION lamp goes off.
- All the indications disappear from the LCD. When the timer is set, the timer indication remains on the LCD.

NOTE

■ Notes on AUTO operation

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

■ Note on COOL operation

- This air conditioner cools the room by releasing heat in the room outdoors. Therefore, cooling performance may fall in higher outdoor temperatures.

■ Note on HEAT operation

- This air conditioner heats the room by bringing outdoor heat indoors. Therefore, heating performance may fall in lower outdoor temperatures.

■ Note on DRY operation

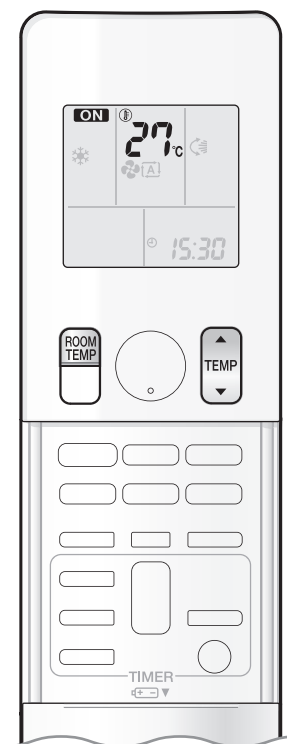
- Eliminates humidity while maintaining the indoor temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.

■ Note on FAN operation

- This mode is valid for fan only.



Adjusting the Temperature / Checking the Room Temperature



■ Adjusting the temperature

■ To change the temperature setting

1. Press .

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

COOL operation	HEAT operation	AUTO operation	DRY or FAN operation
18-32°C	10-30°C	18-30°C	The temperature setting cannot be changed.

■ Checking the room temperature

You can check the current room temperature.

■ To check the room temperature

1. Press .



- The current room temperature is displayed.
- The temperature sensor on the remote controller detects the ambient temperature around the remote controller.
- The LCD shows the room temperature for about 5 seconds before returning to the set temperature display.
- The indications other than the measured temperature disappear from the LCD.
- If you press the button while the operation is stopped, “**ON**” is not displayed.

NOTE

■ Recommended temperature setting

- For cooling: 26-28°C
- For heating: 20-24°C

■ Notes on the room temperature display

- If the temperature changes suddenly, the displayed temperature may be different from the actual ambient temperature.
- The sensor cannot correctly detect the temperature in a place exposed to sunlight or around windows or cooling/heating appliances.
- If pressing the ROOM TEMPERATURE button does not show the temperature (“- -” is displayed), this means the temperature sensor on the remote controller has malfunctioned.
Consult your dealer where you bought the air conditioner.
- If the ROOM TEMPERATURE button is pressed in a place exposed to cool air from the air conditioner, the sensor may show a temperature lower than the actual room temperature.
- Do not insert a needle or tapered object into the opening in the temperature sensor on the remote controller.

■ Notes on the operating conditions

- The air conditioner always consumes a small amount of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, turn off the circuit breaker.
- Operation outside the humidity or temperature range described in the table may cause a safety device to disable the system.

Mode	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature: 19.4-50°C	• 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.
DRY	Indoor temperature: 18-32°C Indoor humidity: 80% max.	
HEAT	Outdoor temperature: 4-24°C Indoor temperature: 10-30°C	

■ Tips for saving energy

- Be careful not to cool (heat) the room too much. Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling (heating) effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks.



Adjusting the Airflow Direction




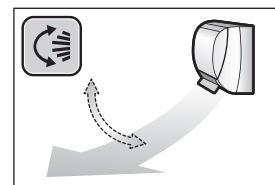
You can adjust the airflow direction to increase your comfort.

■ To start auto swing

Up and down airflow direction


1. Press .

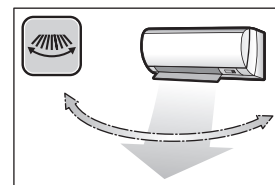
- “” is displayed on the LCD.
- The flap (horizontal blade) will begin to swing.



Right and left airflow direction





1. Press .

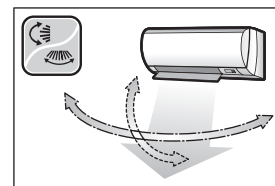
- “” is displayed on the LCD.
- The louvres (vertical blades) will begin to swing.



The 3-D airflow direction

1. Press  and .



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



■ To set the flap or louvres at desired position

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

1. Press  and  when the flap or louvres reaches the desired position.

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

NOTE

■ Note on 3-D airflow

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

⚠ CAUTION

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



Adjusting the Airflow Rate / SMELL PROOF Operation




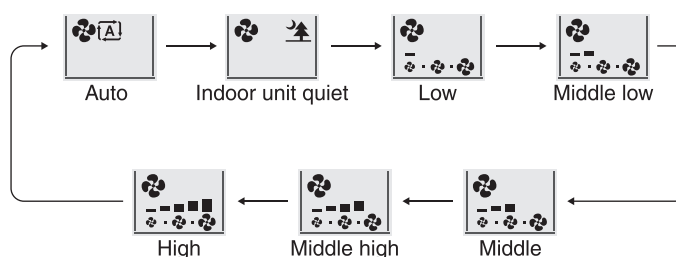
■ Adjusting the airflow rate


You can adjust the airflow rate to increase your comfort.

■ To change the airflow rate setting

1. Press .

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




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

■ SMELL PROOF operation

The SMELL PROOF operation prevents unpleasant odour inside the indoor unit. This function is available in both DRY and COOL operation.

■ To use SMELL PROOF operation

1. Before starting the operation, press .

- “” is displayed on the LCD.
- Air starts circulating about 1 minute after the operation is started. However, if the POWERFUL operation is started, air starts circulating immediately.

■ To cancel SMELL PROOF operation

1. Press again.

- “” disappears from the LCD.

NOTE

■ Note on airflow rate setting

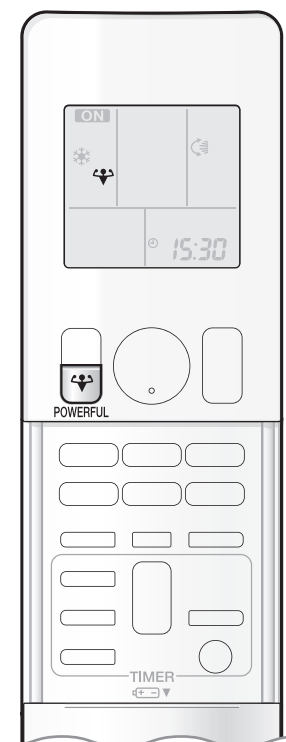
- At smaller airflow rates, the cooling (heating) effect is also smaller.

■ Note on SMELL PROOF operation

- SMELL PROOF operation can prevent some odours, but not all.




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 POWERFUL operation

1. Press  **POWERFUL** during operation.

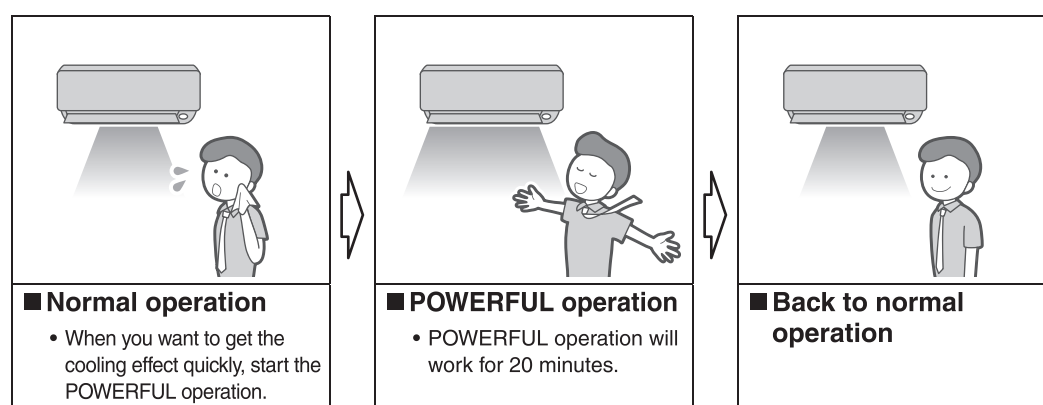
- “” is displayed on the LCD.
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.

■ To cancel POWERFUL operation

1. Press  **POWERFUL** again.



- “” disappears from the LCD.

[Example]



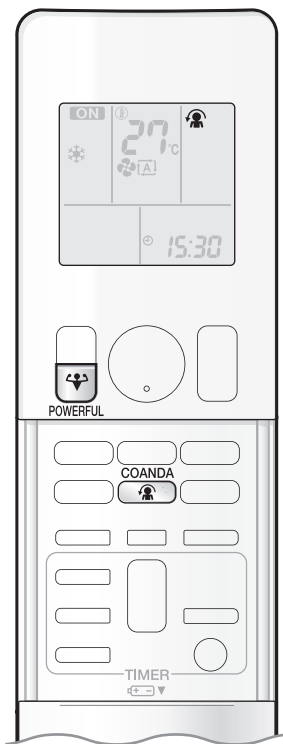
NOTE

■ Notes on POWERFUL operation

- When POWERFUL operation is started, the flap turns downward, allowing the air to blow directly onto people (cooling only). When the up and down airflow direction is set to auto swing, the flap moves in auto swing mode.
- When using POWERFUL operation, there are some functions which are not available.
- POWERFUL operation cannot be used together with ECONO operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL operation can only be set when the unit is running. Pressing  causes the settings to be 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 is increased and the airflow rate becomes fixed at the maximum setting.
The temperature and airflow settings cannot be changed.
- **In DRY operation**
The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
- **In FAN operation**
The airflow rate is fixed at the maximum setting.




COANDA Operation



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

■ To start COANDA operation


1. Press  .

- The flap position will change, preventing air from blowing directly on the occupants of the room.
- “” is displayed on the LCD.

	COOL and DRY operation	HEAT operation
Flap direction	Up	Down

■ To cancel COANDA operation

1. Press  again.


- The flap will return to the memory position from before COANDA mode.
- “” disappears from the LCD.

■ To combine COANDA and POWERFUL operation

When POWERFUL operation is started during COANDA operation, the flap turns downward, allowing the air to blow directly at people. The combination of COANDA and POWERFUL operations provides sufficient cooling (heating) performance to quickly cool down (warm up) the room.

1. Press  during COANDA operation.

- After POWERFUL operation is finished, the air conditioner automatically returns to COANDA operation.

- Pressing  during POWERFUL operation prevents the air from blowing directly onto people while keeping POWERFUL operation running.

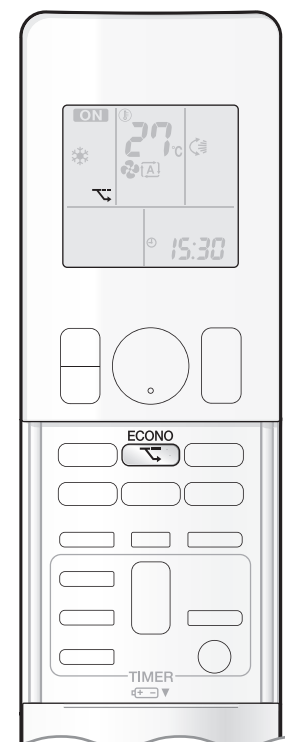
NOTE

■ Notes on COANDA operation

- The flap position will change, preventing air from blowing directly on the occupants of the room.
- If the up and down airflow direction is selected, the COANDA operation will be cancelled.
- The airflow rate can be set to any level. However, a low airflow rate may result in the downward flow of cold air (and upward flow of warm air), and in air blowing at people.



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 operation

1. Press  during operation.

- “” is displayed on the LCD.

■ To cancel operation

1. Press  again.

- “” disappears from the LCD.

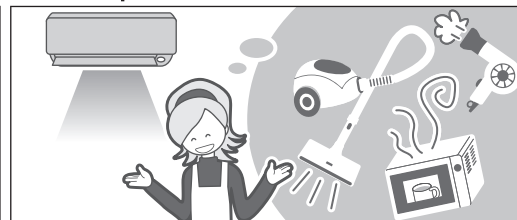
[Example]

Normal operation



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



ECONO operation



- The maximum power consumption of the air conditioner is limited by using ECONO operation. The circuit breaker will hardly trip even if the air conditioner and other appliances are used at same time.

NOTE

■ Notes on ECONO operation

- ECONO operation can only be set when the unit is running. Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- ECONO operation is a function which enables efficient operation by limiting the power consumption of the outdoor unit.
- ECONO operation functions in AUTO, COOL, DRY, and HEAT operation.
- POWERFUL and ECONO operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.
- This operation is performed with lower power and therefore may not provide a sufficient cooling (heating) effect.



OFF TIMER Operation

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

■ To use OFF TIMER operation

- Check that the clock is correct.
If not, set the clock to the present time. [▶Page 7](#)

1. Press .



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

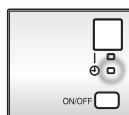
- “⊕” disappears from the LCD.

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

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

3. Press  again.

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



Display

■ To cancel OFF TIMER operation

1. Press .

- “OFF” and setting time disappear from the LCD.
- “⊕” is displayed on the LCD.
- The TIMER lamp goes off.

NOTE

■ Notes on TIMER operation

- When TIMER is set, the present time is not displayed.
- Once you set ON/OFF TIMER, the time setting is kept in the memory.
The memory is cleared when the remote controller batteries are replaced.
- When using the ON/OFF TIMER to start/stop operation, the actual operation start/stop time may differ from the time set.
(Maximum of about 10 minutes)

■ In the following cases, set the timer again.

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



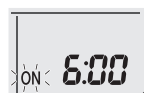
ON TIMER Operation



■ To use ON TIMER operation

- Check that the clock is correct.
If not, set the clock to the present time. ▶Page 7

1. Press .



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

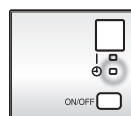
- “⊕” disappears from the LCD.

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

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

3. Press  again.

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



Display

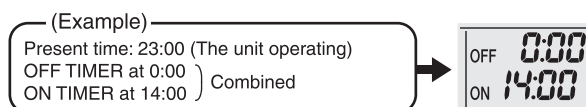
■ To cancel ON TIMER operation

1. Press .

- “ON” and setting time disappear from the LCD.
- “⊕” is displayed on the LCD.
- The TIMER lamp goes off.

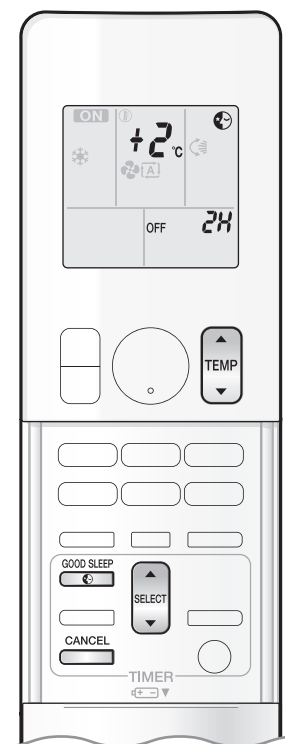
■ To combine ON TIMER and OFF TIMER

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






GOOD SLEEP OFF TIMER Operation

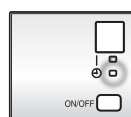


You can prevent excessive cooling of the room during sleep by setting a temperature shift value. The air conditioner automatically stops after the preset time has elapsed, thereby conserving electricity.

■ To use GOOD SLEEP OFF TIMER operation

1. Press during COOL operation.

- “°C” blinks for a few seconds.
- The temperature shift value (default: +2) is displayed on the LCD for a few seconds.
- “”, “OFF”, and the stop time (default: 2H), are displayed on the LCD.
- The TIMER lamp lights orange. ▶Page 4



Display

2. Press while “°C” is blinking.


- Each pressing of the button changes the temperature shift value by 1°C. You can specify a temperature shift value between +1°C and +5°C.

3. Press or “” while “°C” is blinking.

- Each pressing of the button changes the time setting. The time can be set between 1 and 9 hours.
1 hour ... → 9 hours → OFF

■ To cancel GOOD SLEEP OFF TIMER operation

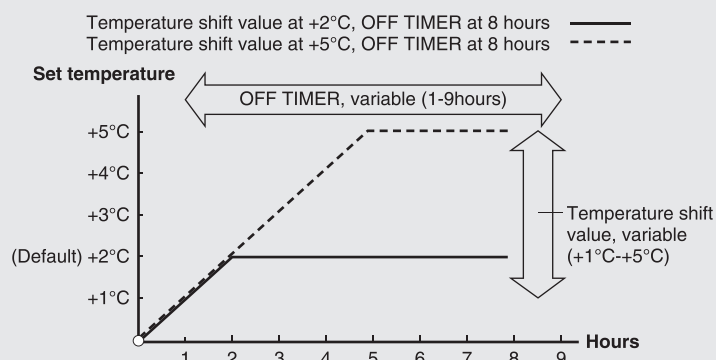
1. Press .

- “”, “OFF”, and the stop time indication disappear from the LCD.
- The TIMER lamp goes off.

NOTE

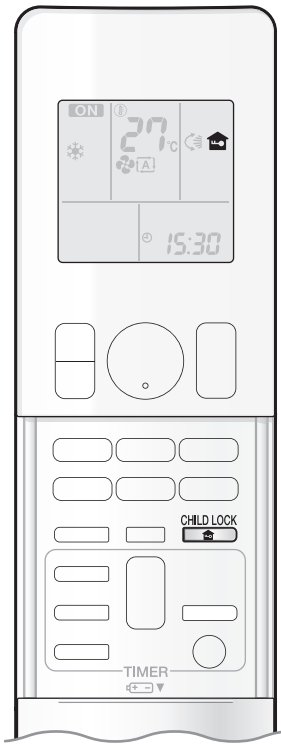
■ Notes on GOOD SLEEP OFF TIMER operation [Example]

- The set temperature increases by 0.5°C in 30 minutes until the total increase reaches the specified shift value. There is no function for heating the room.





CHILD LOCK





Setting the CHILD LOCK disables all the buttons except the CHILD LOCK button and the ROOM TEMPERATURE button.

This function prevents children from operating the remote controller by mistake.

■ To set the CHILD LOCK

1. Press  for about 2 seconds.

- “” is displayed on the LCD.
- If a button is pressed while CHILD LOCK is on, “” blinks.

■ To cancel the CHILD LOCK

1. Press  for about 2 seconds again.

- “” disappears from the LCD.

Care and Cleaning



CAUTION

Before cleaning, be sure to stop the operation and turn off the circuit breaker.

Units

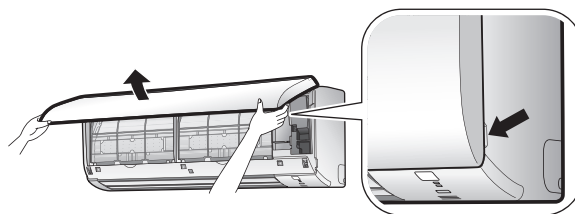
■ Indoor unit and remote controller

1. Wipe them with a dry soft cloth.

■ Front panel

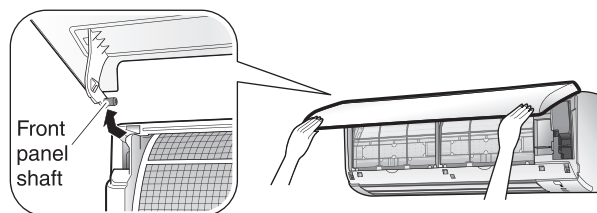
1. Open the front panel.

- Hold the front panel by the indentations in the main unit and open the front panel.



2. Remove the front panel.

- Slide the front panel to either the left or right and pulling it toward you. This will disconnect the front panel shaft on one side.
- Disconnect the front panel shaft on the other side in the same manner.
- You can also remove the front panel by pushing it open until the front panel shaft is disconnected.

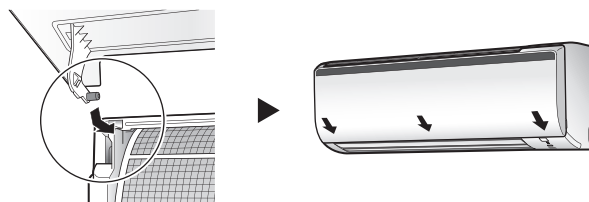


3. Clean the front panel.

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

4. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.
- Close the front panel slowly.
- Press the front panel at both sides and the centre.



CAUTION

- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40°C, benzene, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hard stuff.
- After cleaning, make sure that the front panel is securely fixed.

Care and Cleaning

Air filter

1. Pull out the air filters.

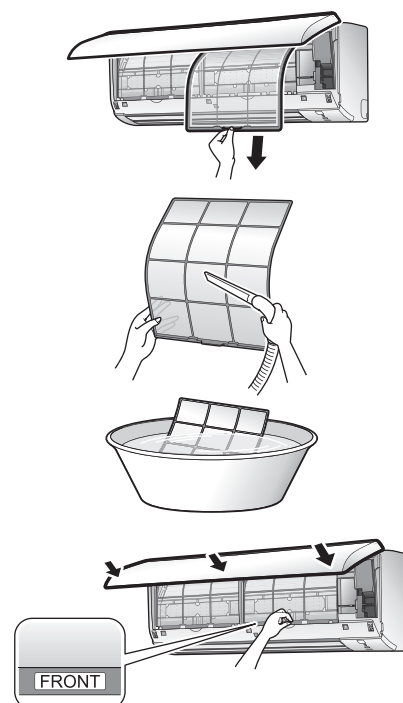
- Open the front panel.
- Push the filter tab at the center of each air filter a little upwards, then pull it down.

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

- Be sure to remove the accessory filter (optional part).
- It is recommended to clean the air filters every 2 weeks.
- If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.

3. Set the air filter as they were and close the front panel.

- Insert claws of the filters into slots of the front panel. Close the front panel slowly and push the panel at the 3 points.
- Press the front panel at both sides and the centre.



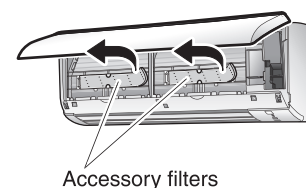
Titanium apatite photocatalytic/Multi fuction/Air-purifying filter/Anti Microbial filter

[Maintenance]

Filter can be renewed by washing it with water once every 6 months.
We recommend replacing it once every 3 years.

1. Take off the filter.

- 1) Open the front panel and pull out the air filters.
- 2) Take of the accessory filters.
 - Remove the accessory filters from the tabs.



2. Vacuum dust, and soak in lukewarm water or water for about 10 to 15 minutes if dirt is heavy.

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

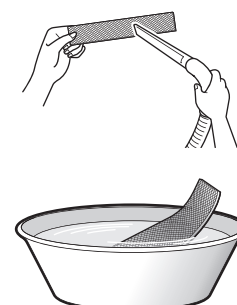
3. After washing, shake off remaining water and dry in the shade.

- Do not wring out the filter when removing water from it.

[Replacement]

1. Replace the old filter with a new one.

- If you replace only the filter, check that the filter is set in the tabs when attaching it.



Care and Cleaning

Ag-ion filter / Micro filter PM 2.5 & 0.1

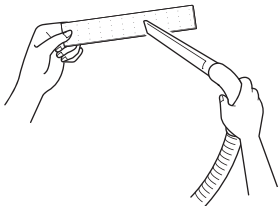
[Maintenance]

The filter can be renewed by cleaning it with a vacuum cleaner. We recommend replacing it once every 6.5 years.

1. Take off the filter.

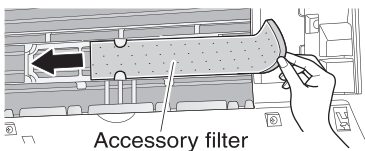
2. Vacuum dust.

- Do not wash the filter as this will reduce its efficiency.



[Replacement]

1. Replace the old filter with a new one.



NOTE


- Dispose of the old filter as non-flammable waste.
- To order an optional filter, contact the service shop where you bought the air conditioner.

Item	Part No.
Titanium apatite photocatalytic air-purifying filter (with frame) 1 set	KAF970A45
Ag-ion filter (with frame) 1 set	KAF057A41
Anti Microbial filter (with frame) 1 set	KAF500A504
Micro-filter-PM 2.5 (with frame) 1 set	KAF250A502
Micro-filter-PM 0.1 (with frame) 1 set	KAF010A503

- Operation with dirty filters: (1)cannot deodorise the air. (2)cannot clean the air.
(3)results in poor cooling. (4)may cause odour.

■ Before a long idle period

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

- Press **MODE** and select FAN operation.
- Press  and start the operation.

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

3. Clean the air filters and set them again.

4. Take out 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 aside from regular cleaning by the user. For specialist maintenance, contact the service shop where you bought the air conditioner.

The maintenance cost must be born by the user.

Troubleshooting

These cases are not problems.

The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

Case	Explanation
The air conditioner stops generating airflow during HEAT operation.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> The outdoor unit is defrosting. HEAT operation starts after the frost on the outdoor unit has been removed. This can take about 20 minutes. In HEAT operation mode, if the outdoor temperature is above/below the temperature range indicated under "Operating conditions", a safety device will trip disabling operation. ▶Page 9
Operation does not start soon. <ul style="list-style-type: none"> When "ON/OFF" button was pressed soon after operation was stopped. When the mode was reselected. 	<ul style="list-style-type: none"> This is to protect the air conditioner. You should wait for about 3 minutes.
Air does not come out.	<ul style="list-style-type: none"> If the operation is started when the SMELL PROOF operation is set, the SMELL PROOF operation starts running to prevent unpleasant odour inside the indoor unit. Wait for about 1 minute. (Except when POWERFUL operation is set.) ▶Page 11 <p>■ In HEAT operation</p> <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.
The flap does not start swinging immediately.	<ul style="list-style-type: none"> The air conditioner is adjusting the position of the flap. The flap will start moving soon.
Operation stopped suddenly. (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. Voltage range protection: 160V-265V
A sound is heard.	<p>■ A sound like flowing water</p> <ul style="list-style-type: none"> 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. <p>■ Blowing sound</p> <ul style="list-style-type: none"> This sound is generated when the flow of the refrigerant in the air conditioner is switched over. <p>■ Ticking sound</p> <ul style="list-style-type: none"> This sound is generated when the cabinet and frame of the air conditioner slightly expand or shrink as a result of temperature changes. <p>■ Whistling sound</p> <ul style="list-style-type: none"> This sound is generated when refrigerant flows during defrosting operation. <p>■ Clopping sound</p> <ul style="list-style-type: none"> 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.
The outdoor unit emits water or steam.	<p>■ In HEAT operation</p> <ul style="list-style-type: none"> The frost on the outdoor unit melts into water or steam when the air conditioner is in defrosting operation. <p>■ In COOL or DRY operation</p> <ul style="list-style-type: none"> Moisture in the air condenses into water on the cool surface of the outdoor unit piping and drips.

Troubleshooting

Case	Explanation
Mist comes out of the indoor unit.	<ul style="list-style-type: none">• This happens when the air in the room is cooled into mist by the cold airflow during COOL operation.
The indoor unit gives out odour.	<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.
The outdoor fan rotates while the air conditioner is not in operation.	<p>■ Immediately after the air conditioner is stopped:</p> <ul style="list-style-type: none">• The outdoor unit fan continues rotating for about another 1 minute to protect the system. <p>■ While the air conditioner is not in operation:</p> <ul style="list-style-type: none">• When the outdoor temperature is high, the outdoor unit fan may start rotating to protect the system.
Remote controller does not work properly.	<p>■ No remote controller signals are displayed.</p> <p>■ The remote controller sensitivity is low.</p> <p>■ The display is low in contrast or blacked out.</p> <p>■ The display runs out of control.</p> <ul style="list-style-type: none">• The batteries are dying and the remote controller is malfunctioning. Replace both batteries with new, dry batteries (AAA). <p>For details, refer to “To insert the batteries” of this manual. ▶Page 6</p>

Check again.

Please check again before requesting repairs.

Case	Explanation
The air conditioner does not operate. (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?• Is the timer setting correct?
The room does not cool down/ warm up.	<ul style="list-style-type: none">• Is the airflow rate setting appropriate? If the airflow rate setting is too low, increase it.• Is the set temperature appropriate?• Is the adjustment of the airflow direction appropriate?• 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 the air conditioner in ECONO operation or GOOD SLEEP OFF TIMER operation?• In HEAT operation mode, if the outdoor temperature is low, the set temperature may not be reached.
Operation stops suddenly. (OPERATION lamp flashes.)	<ul style="list-style-type: none">• Are the air filters dirty?• Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit?• Turn off the circuit breaker and take all obstacles away. Then turn it on again and try operating the air conditioner with the remote controller. If the lamp still flashes, call the dealer where you bought the air conditioner. If the lamps stop flashing after the above steps, there is no malfunction.
An abnormal functioning happens during operation.	<ul style="list-style-type: none">• The air conditioner may malfunction with lightning or radio waves. Turn off the circuit breaker, turn it on again and try operating the air conditioner with the remote controller.

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



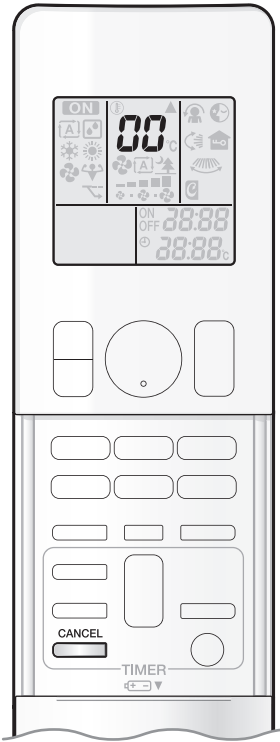
Your air conditioning product is marked with this symbol. This means that electrical and electronic products shall not be mixed with unsorted household waste.

Do not try to dismantle the system yourself: the dismantling of the air conditioning system, treatment of the refrigerant, of oil and of other parts must be done by a qualified installer in accordance with relevant local and national legislation.

Air conditioners must be treated at a specialized treatment facility for re-use, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

Batteries must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

Troubleshooting



Fault diagnosis by remote controller

The remote controller can receive a corresponding error code from the indoor unit.

1. When **CANCEL** is held down for about 5 seconds, “00” blinks in the temperature display section.
2. Press **CANCEL** repeatedly until a continuous beep is produced.
 - The code indication changes as shown below, and notifies with a long beep.

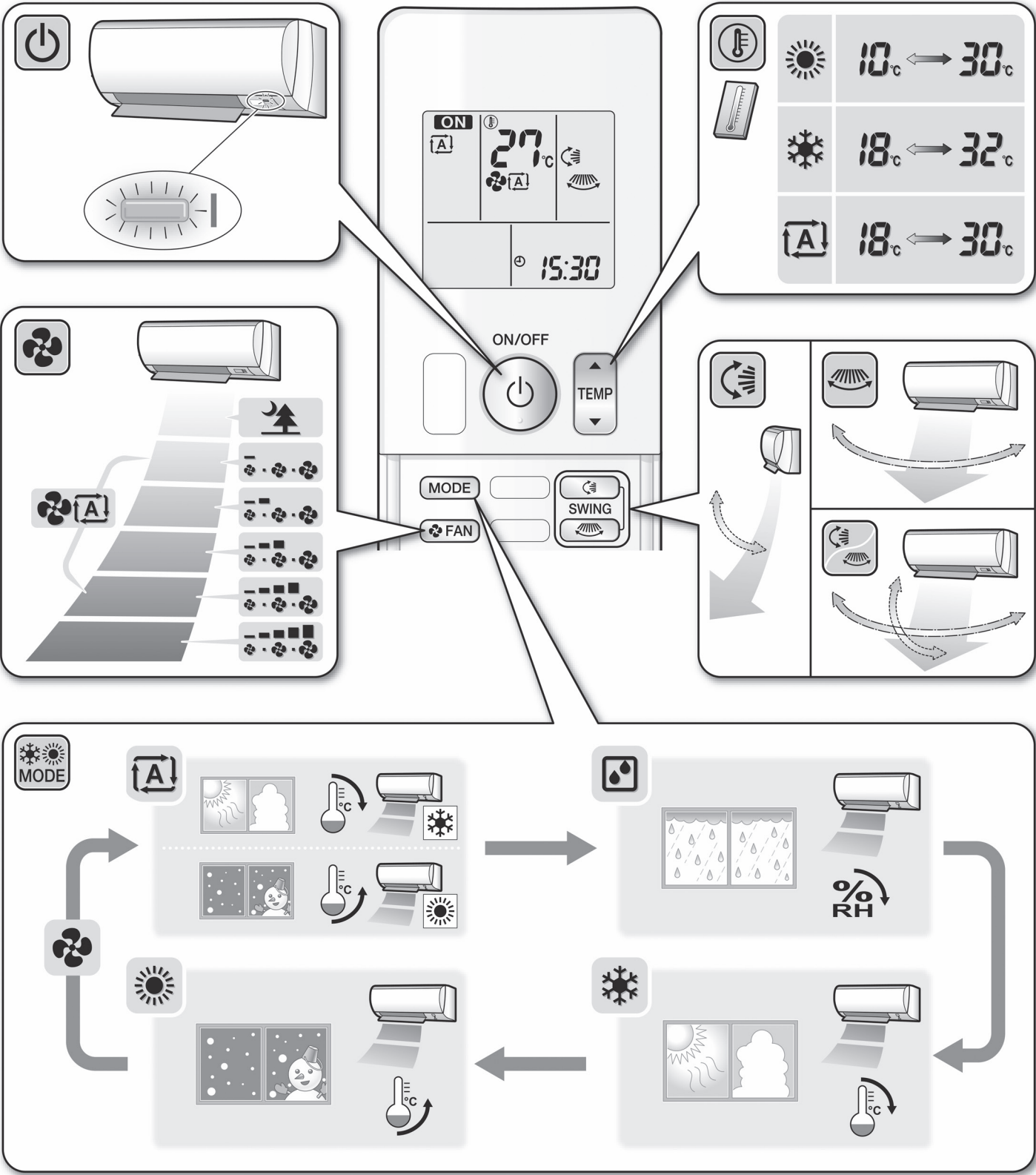
	CODE	MEANING
SYSTEM	00	NORMAL
	UA	INDOOR-OUTDOOR UNIT COMBINATION FAULT
	U0	REFRIGERANT SHORTAGE
	U2	DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE
	U4	FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT)
INDOOR UNIT	A1	INDOOR PCB DEFECTIVENESS
	A5	FREEZE-UP PROTECTOR
	A6	FAN MOTOR FAULT
	C4	FAULTY 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)
	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 down **CANCEL** for about 5 seconds.
The code display also cancels itself if the button is not pressed for 1 minute.

MEMO

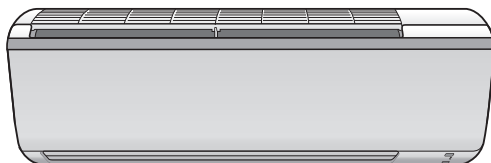
Quick Reference



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DAIKIN ROOM AIR CONDITIONER

OPERATION MANUAL

INVERTER

MODEL

☒ GTHT35TV16XZ+RHTG35TV16XZ



Features

Enhanced comfort and energy savings



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

Other functions



COANDA












The airflow direction is upward while in COOL operation, and downward while in HEAT operation. This function prevents cold or warm air from blowing directly on your body. ▶Page 13

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


- In order to avoid fire, explosion or injury, do not operate the unit when harmful, among which flammable or corrosive gases, 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 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 malfunctioning, product or injury damage 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 shocks 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 shocks, do not operate with wet hands.

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

CAUTION

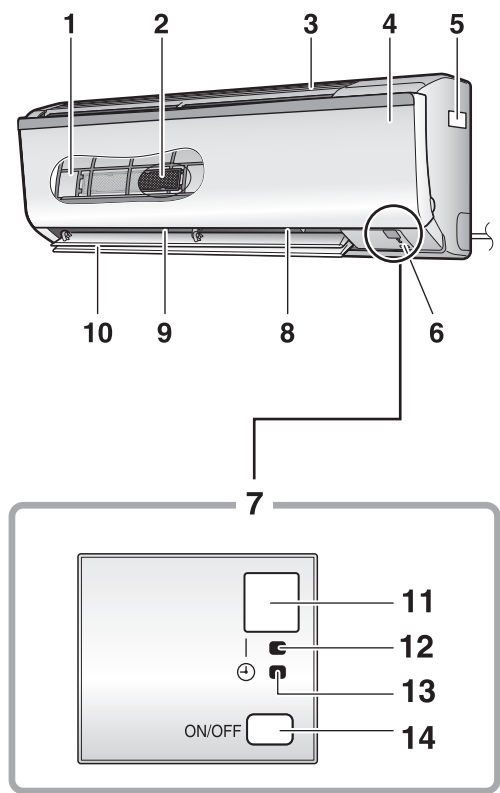
- Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner for cooling precision instruments, food, plants, animals or works of art as this may adversely affect the performance, quality and/or longevity of the object concerned. 
- Do not expose plants or animals directly to 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 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 unit.
- 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 shocks or fire.
- Do not wash the air conditioner with water, as this may result in electric shocks or fire.
- Do not place water containers (vases etc.) above the unit, as this may result in electric shocks or fire hazards.

- 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, turn off the circuit breaker or remove the power cord. 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 shocks, 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 in the unit, such animals can cause malfunctions, smoke or fire when making 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.

P002

Name of Parts

Indoor Unit



- 1. Air filter
- 2. Accessory filter
- 3. Air inlet
- 4. Front panel
- 5. Model name plate
- 6. Indoor temperature sensor:
 - It senses the air temperature around the unit.
- 7. Display
- 8. Air outlet
- 9. Louvers (vertical blades):
 - The louvers are inside of the air outlet. ▶Page 10
- 10. Dual Flap (horizontal blade) ▶Page 10
- 11. Signal receiver:
 - It 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
Settings changed	beep
Operation stop	long beep

- 12. OPERATION lamp (green)
- 13. TIMER lamp (yellow) ▶Page 15-17

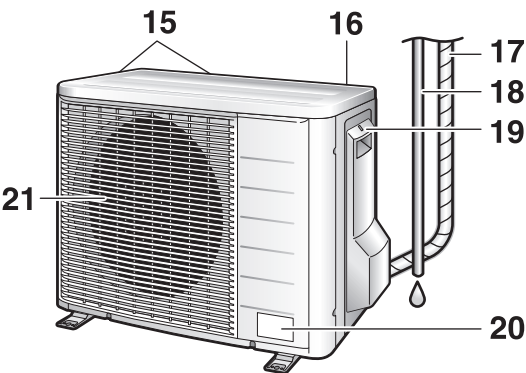
- 14. Indoor unit ON/OFF switch:
 - Press this switch once to start operation. Press once again to stop it.
 - The operation mode refers to the following table.

Mode	Temperature setting	Airflow rate
AUTO	25°C	AUTO

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

- 15. Air inlet (back and side)
- 16. Outdoor temperature sensor (back)
- 17. Refrigerant piping and inter-unit wiring
- 18. Drain hose
- 19. Earth terminal:
 - It is inside of this cover.
- 20. Model name plate
- 21. Air outlet

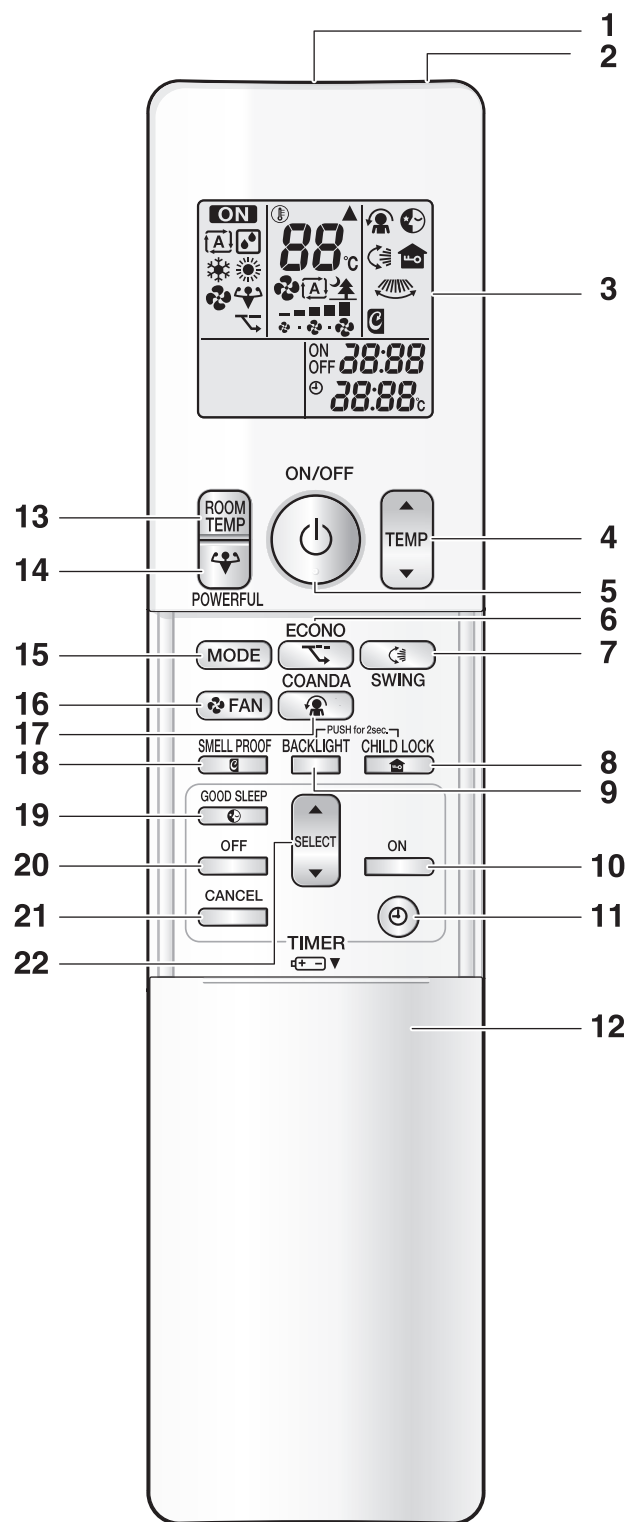
Outdoor Unit



Appearance of the indoor / outdoor unit may differ from some models.

Name of Parts

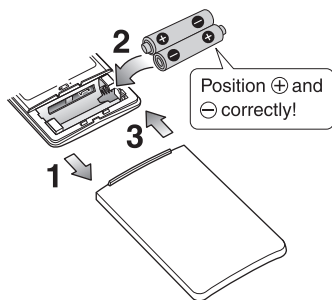
■ Remote Controller



[Model: ARC479A25]

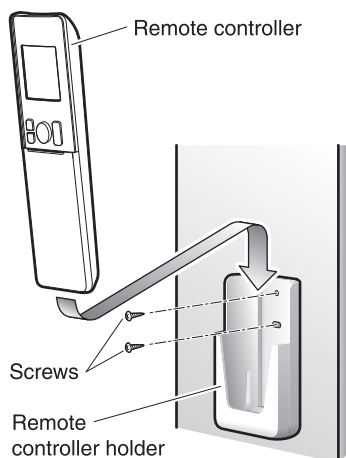
- 1. Signal transmitter:**
 - It sends signals to the indoor unit.
- 2. Room temperature sensor** ▶Page 9
- 3. Display (LCD):**
 - Displays the current settings.
(In this illustration, each section is shown with its displays on for the purpose of explanation.)
- 4. TEMPERATURE adjustment button:**
 - Changes the temperature setting. ▶Page 9
- 5. ON/OFF button:**
 - Press this button once to start operation.
Press once again to stop it. ▶Page 8
- 6. ECONO button** ▶Page 14
- 7. SWING button:**
 - Adjusts the airflow direction. ▶Page 10
- 8. CHILD LOCK button** ▶Page 18
- 9. BACKLIGHT button** ▶Page 7
- 10. ON TIMER button** ▶Page 16
- 11. CLOCK button** ▶Page 7
- 12. Front cover:**
 - Open the front cover.
- 13. ROOM TEMPERATURE button** ▶Page 9
- 14. POWERFUL button** ▶Page 12
- 15. MODE selector button:**
 - Selects the operation mode.
(AUTO/DRY/COOL/HEAT/FAN) ▶Page 8
- 16. FAN setting button:**
 - Selects the airflow rate setting. ▶Page 11
- 17. COANDA button** ▶Page 13
- 18. SMELL PROOF button** ▶Page 11
- 19. GOOD SLEEP OFF TIMER button** ▶Page 17
- 20. OFF TIMER button (NIGHT SET mode)** ▶Page 15
- 21. TIMER CANCEL button:**
 - Cancels the timer setting. ▶Page 15-17
- 22. SELECT button:**
 - Changes the clock, ON/OFF TIMER and GOOD SLEEP OFF TIMER settings. ▶Page 15-17

Preparation before Operation



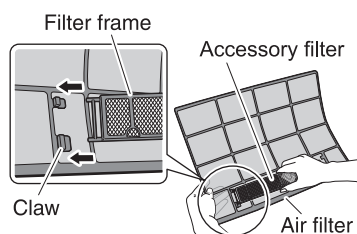
■ To set the batteries

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



■ To fix the remote controller holder on the wall

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



■ To install the Accessory filter

- Hold the filter frame and hook it on the 4 claws of air filter.
- When installing the Accessory filter refer to “ Care and Cleaning ”, and pull out the air filters.

►Page 19, 20, 21

■ Turn on the circuit breaker

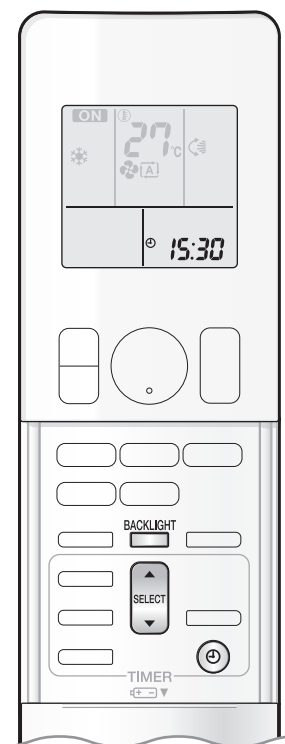
After the power is turned on, the flap of the indoor unit opens and closes once to set the reference position.

NOTE

■ Notes on batteries

- Do not use a leaking battery.
- When replacing the batteries, use batteries of the same type, and replace both old batteries together.
- When the system is not used for a long time, take the batteries out.
- If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both batteries with new, dry batteries (AAA).
- The attached batteries are provided for the initial use of the system.
The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

Preparation before Operation



■ To set the clock

1. Press .



- “⌚” blinks.

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

- Holding down ▲ or ▼ rapidly increases or decreases the time display.

3. Press .



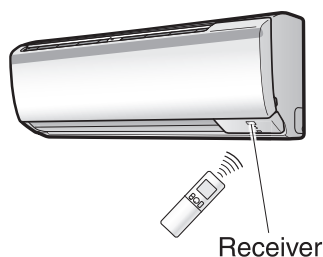
- “:” blinks.

■ To set the BACKLIGHT

Turning off the LCD backlight reduces battery consumption. (Default: on)

1. Press  for about 2 seconds.

- Pressing the button for about 2 seconds switches the backlight ON/OFF. When it is switched off, the backlight goes out. When it is switched on, the backlight comes on.



■ To operate the remote controller

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

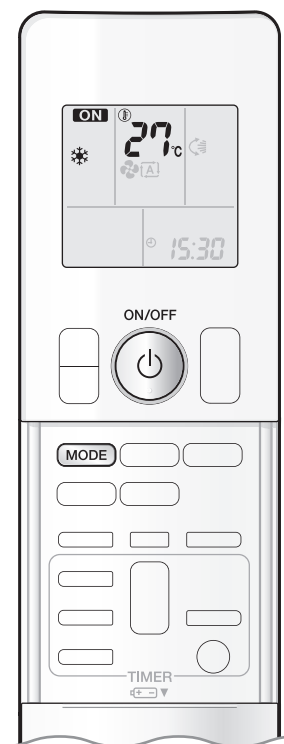
NOTE

■ Notes on remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the shop.



AUTO · DRY · COOL · HEAT · FAN Operation

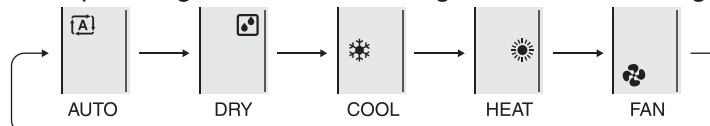


The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

■ To start operation

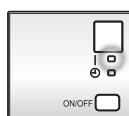
1. Press **MODE** and select an operation mode.

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



2. Press .

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



Display

■ To stop operation

1. Press again.

- “**ON**” disappears from the LCD.
- The OPERATION lamp goes off.
- All the indications disappear from the LCD. When the timer is set, the timer indication remains on the LCD.

NOTE

■ Notes on AUTO operation

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

■ Note on COOL operation

- This air conditioner cools the room by releasing heat in the room outdoors. Therefore, cooling performance may fall in higher outdoor temperatures.

■ Note on HEAT operation

- This air conditioner heats the room by bringing outdoor heat indoors. Therefore, heating performance may fall in lower outdoor temperatures.

■ Note on DRY operation

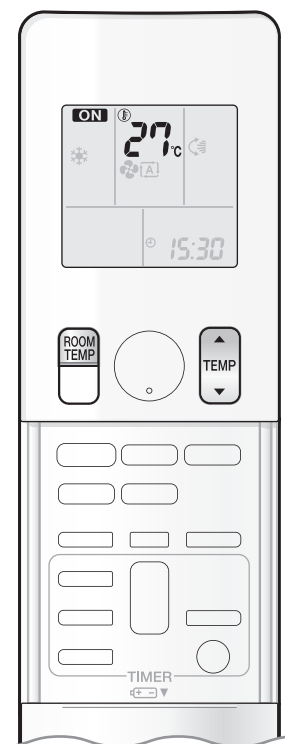
- Eliminates humidity while maintaining the indoor temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.

■ Note on FAN operation

- This mode is valid for fan only.



Adjusting the Temperature / Checking the Room Temperature



■ Adjusting the temperature

■ To change the temperature setting

1. Press .

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

COOL operation	HEAT operation	AUTO operation	DRY or FAN operation
18-32°C	10-30°C	18-30°C	The temperature setting cannot be changed.

■ Checking the room temperature

You can check the current room temperature.

■ To check the room temperature

1. Press .



- The current room temperature is displayed.
- The temperature sensor on the remote controller detects the ambient temperature around the remote controller.
- The LCD shows the room temperature for about 5 seconds before returning to the set temperature display.
- The indications other than the measured temperature disappear from the LCD.
- If you press the button while the operation is stopped, “ON” is not displayed.

NOTE

■ Recommended temperature setting

- For cooling: 26-28°C
- For heating: 20-24°C

■ Notes on the room temperature display

- If the temperature changes suddenly, the displayed temperature may be different from the actual ambient temperature.
- The sensor cannot correctly detect the temperature in a place exposed to sunlight or around windows or cooling/heating appliances.
- If pressing the ROOM TEMPERATURE button does not show the temperature (“-” is displayed), this means the temperature sensor on the remote controller has malfunctioned.
Consult your dealer where you bought the air conditioner.
- If the ROOM TEMPERATURE button is pressed in a place exposed to cool air from the air conditioner, the sensor may show a temperature lower than the actual room temperature.
- Do not insert a needle or tapered object into the opening in the temperature sensor on the remote controller.

■ Notes on the operating conditions

- The air conditioner always consumes a small amount of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, turn off the circuit breaker.
- Operation outside the humidity or temperature range described in the table may cause a safety device to disable the system.

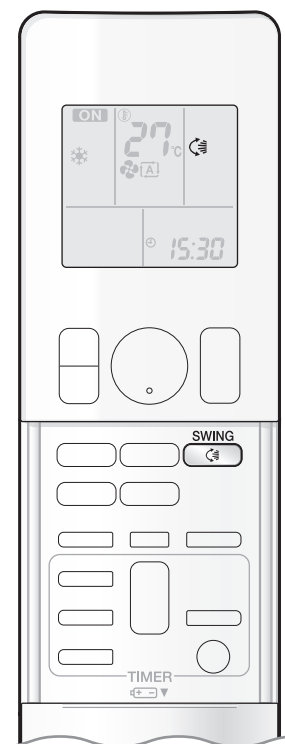
Mode	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature: 19.4-50°C Indoor temperature: 18-32°C	• A safety device may activate to stop the operation. • Dew may form on the indoor unit and drip from it when COOL or DRY operation is selected.
DRY	Indoor humidity: 80% max.	
HEAT	Outdoor temperature: 4-24°C Indoor temperature: 10-30°C	

■ Tips for saving energy

- Be careful not to cool (heat) the room too much. Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling (heating) effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks.



Adjusting the Airflow Direction




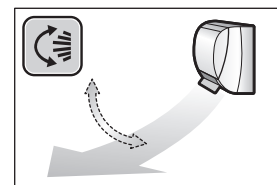
You can adjust the airflow direction to increase your comfort.

Upper and lower airflow direction

■ To start auto swing

1. Press .

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

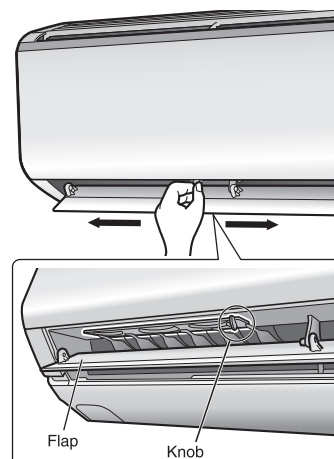


Right and left airflow direction

■ To adjust the louvers (vertical blades)

Hold the knob and move the louvers.
(You will find a knob on the left-side and the right-side blades.)

- When the unit is installed in the corner of a room, the direction of the louvers should be facing away from the wall.
If they face the wall, the wall will block off the wind, causing the cooling efficiency to drop.



CAUTION

- Always use a remote controller to adjust the angles 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 louvers. Inside the air outlet, a fan is rotating at a high speed.



Adjusting the Airflow Rate / SMELL PROOF Operation



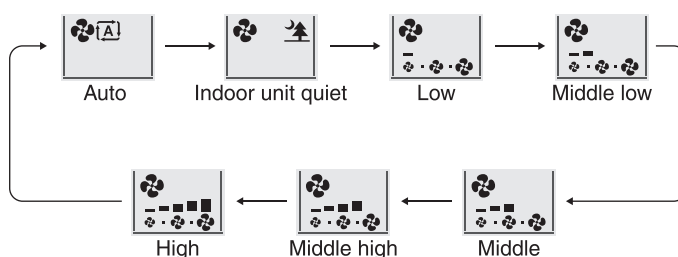
■ Adjusting the airflow rate


You can adjust the airflow rate to increase your comfort.

■ To change the airflow rate setting

1. Press .

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




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

■ SMELL PROOF operation

The SMELL PROOF operation prevents unpleasant odour inside the indoor unit. This function is available in both DRY and COOL operation.

■ To use SMELL PROOF operation

1. Before starting the operation, press .

- “” is displayed on the LCD.
- Air starts circulating about 1 minute after the operation is started. However, if the POWERFUL operation is started, air starts circulating immediately.

■ To cancel SMELL PROOF operation

1. Press again.

- “” disappears from the LCD.

NOTE

■ Note on airflow rate setting

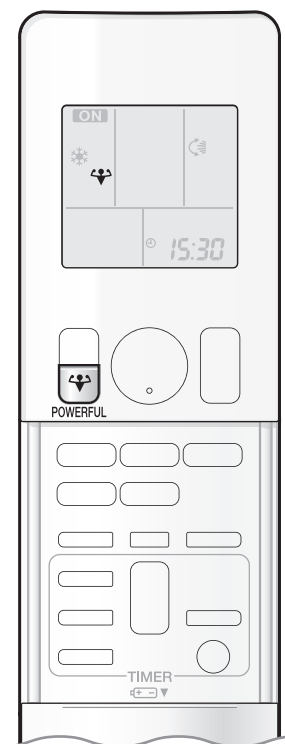
- At smaller airflow rates, the cooling (heating) effect is also smaller.

■ Note on SMELL PROOF operation

- SMELL PROOF operation can prevent some odours, but not all.




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 POWERFUL operation

1. Press  **POWERFUL** during operation.

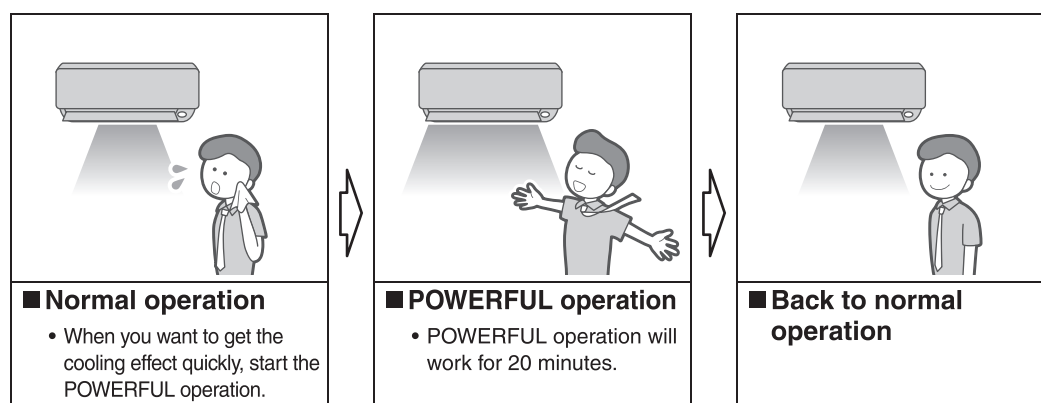
- “” is displayed on the LCD.
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.

■ To cancel POWERFUL operation

1. Press  **POWERFUL** again.



- “” disappears from the LCD.

[Example]



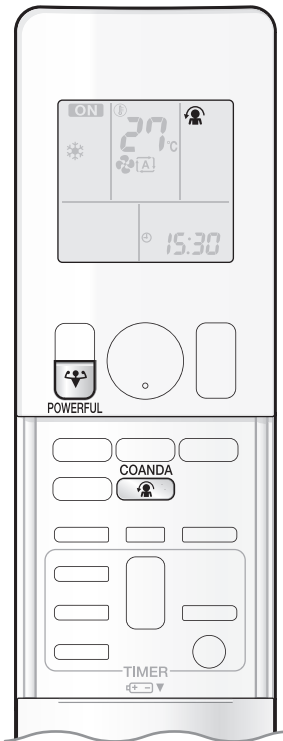
NOTE

■ Notes on POWERFUL operation

- When POWERFUL operation is started, the flap turns downward, allowing the air to blow directly onto people (cooling only). When the up and down airflow direction is set to auto swing, the flap moves in auto swing mode.
- When using POWERFUL operation, there are some functions which are not available.
- POWERFUL operation cannot be used together with ECONO operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL operation can only be set when the unit is running. Pressing  causes the settings to be 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 is increased and the airflow rate becomes fixed at the maximum setting.
The temperature and airflow settings cannot be changed.
- **In DRY operation**
The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
- **In FAN operation**
The airflow rate is fixed at the maximum setting.




COANDA Operation



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

■ To start COANDA operation


1. Press  .

- The flap position will change, preventing air from blowing directly on the occupants of the room.
- “” is displayed on the LCD.

	COOL and DRY operation	HEAT operation
Flap direction	Up	Down

■ To cancel COANDA operation

1. Press  again.


- The flap will return to the memory position from before COANDA mode.
- “” disappears from the LCD.

■ To combine COANDA and POWERFUL operation

When POWERFUL operation is started during COANDA operation, the flap turns downward, allowing the air to blow directly at people. The combination of COANDA and POWERFUL operations provides sufficient cooling (heating) performance to quickly cool down (warm up) the room.

1. Press  during COANDA operation.

- After POWERFUL operation is finished, the air conditioner automatically returns to COANDA operation.

- Pressing  during POWERFUL operation prevents the air from blowing directly onto people while keeping POWERFUL operation running.

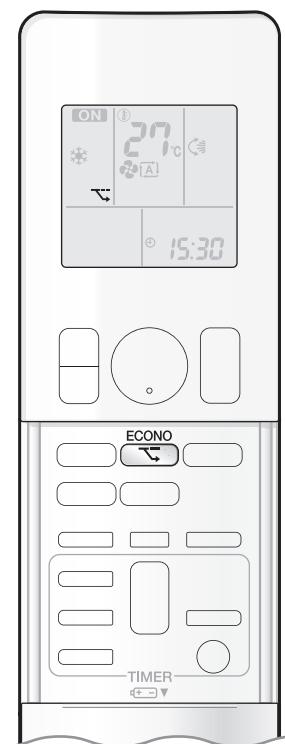
NOTE

■ Notes on COANDA operation

- The flap position will change, preventing air from blowing directly on the occupants of the room.
- If the up and down airflow direction is selected, the COANDA operation will be cancelled.
- The airflow rate can be set to any level. However, a low airflow rate may result in the downward flow of cold air (and upward flow of warm air), and in air blowing at people.



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 operation

1. Press  during operation.

- “” is displayed on the LCD.

■ To cancel operation

1. Press  again.

- “” disappears from the LCD.

[Example]

Normal operation



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



ECONO operation



- The maximum power consumption of the air conditioner is limited by using ECONO operation. The circuit breaker will hardly trip even if the air conditioner and other appliances are used at same time.

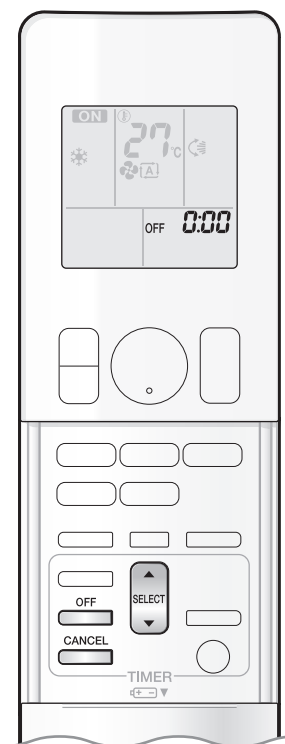
NOTE

■ Notes on ECONO operation

- ECONO operation can only be set when the unit is running. Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- ECONO operation is a function which enables efficient operation by limiting the power consumption of the outdoor unit.
- ECONO operation functions in AUTO, COOL, DRY, and HEAT operation.
- POWERFUL and ECONO operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.
- This operation is performed with lower power and therefore may not provide a sufficient cooling (heating) effect.



OFF TIMER Operation



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

■ To use OFF TIMER operation

- Check that the clock is correct.
If not, set the clock to the present time. ▶Page 7

1. Press .



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

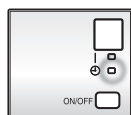
- “⊕” disappears from the LCD.

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

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

3. Press again.

- “OFF” and setting time are displayed on the LCD.
- The TIMER lamp lights yellow.



Display

■ To cancel OFF TIMER operation

1. Press .

- “OFF” and setting time disappear from the LCD.
- “⊕” is displayed on the LCD.
- The TIMER lamp goes off.

NOTE

■ Notes on TIMER operation

- When TIMER is set, the present time is not displayed.
- Once you set ON/OFF TIMER, the time setting is kept in the memory.
The memory is canceled when remote controller batteries are replaced.
- When operating the unit via the ON/OFF TIMER, the actual length of operation may vary from the time entered by the user. (Maximum about 10 minutes)

■ In the following cases, set the timer again.

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



ON TIMER Operation

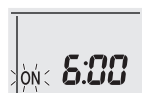


■ To use ON TIMER operation

- Check that the clock is correct.

If not, set the clock to the present time. ▶Page 7

1. Press .



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

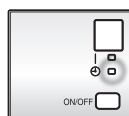
- “ ⊕ ” disappears from the LCD.

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

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

3. Press  again.

- “ ON ” and setting time are displayed on the LCD.
- The TIMER lamp lights yellow.



Display

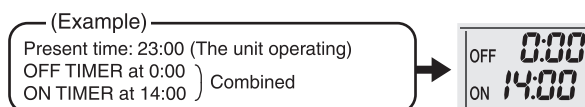
■ To cancel ON TIMER operation

1. Press .

- “ ON ” and setting time disappear from the LCD.
- “ ⊕ ” is displayed on the LCD.
- The TIMER lamp goes off.

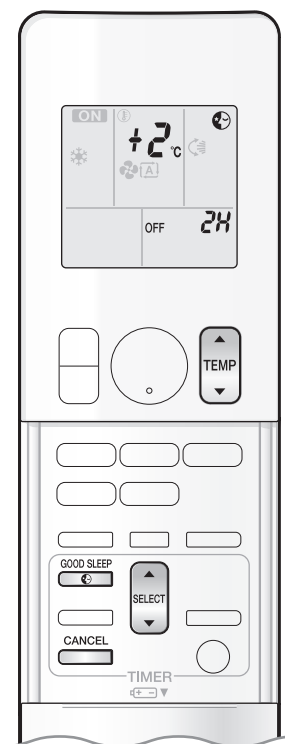
■ To combine ON TIMER and OFF TIMER

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





GOOD SLEEP OFF TIMER Operation

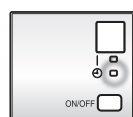


You can prevent excessive cooling of the room during sleep by setting a temperature shift value. The air conditioner automatically stops after the preset time has elapsed, thereby conserving electricity.

■ To use GOOD SLEEP OFF TIMER operation

1. Press **GOOD SLEEP** during COOL operation.

- “°C” blinks for a few seconds.
- The temperature shift value (default: +2) is displayed on the LCD for a few seconds.
- “☾”, “OFF”, and the stop time (default: 2H) , are displayed on the LCD.
- The TIMER lamp lights yellow.



Display

2. Press **TEMP** while “°C” is blinking.

- Each pressing of the button changes the temperature shift value by 1°C. You can specify a temperature shift value between +1°C and +5°C.

3. Press **SELECT** or “**GOOD SLEEP**” while “°C” is blinking.

- Each pressing of the button changes the time setting. The time can be set between 1 to 9 hours.

1 hour ... → 9 hours → OFF

■ To cancel GOOD SLEEP OFF TIMER operation

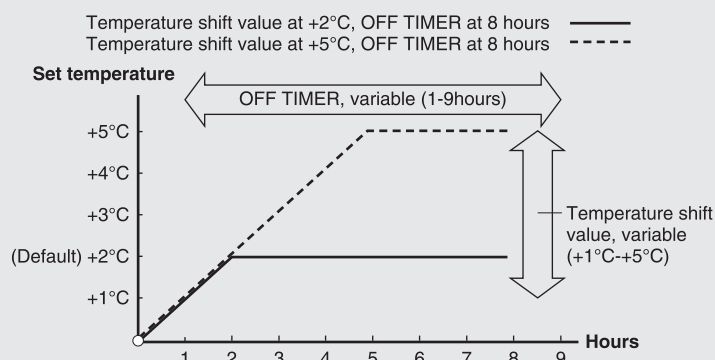
1. Press **CANCEL**.

- “☾”, “OFF”, and the stop time indication disappear from the LCD.
- The TIMER lamp goes off.

NOTE

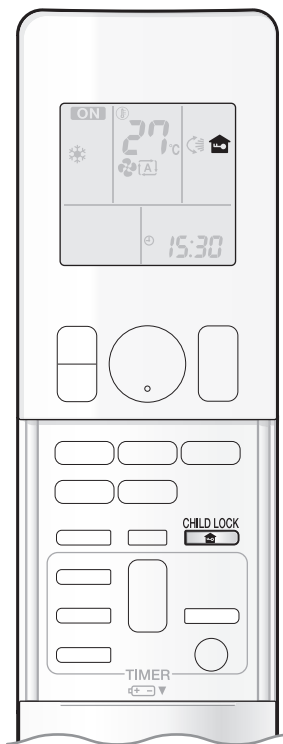
■ Notes on GOOD SLEEP OFF TIMER operation [Example]

- The set temperature increases by 0.5°C in 30 minutes until the total increase reaches the specified shift value.





CHILD LOCK





Setting the CHILD LOCK disables all the buttons except the CHILD LOCK button and the ROOM TEMPERATURE button.

This function prevents children from operating the remote controller by mistake.

■ To set the CHILD LOCK

1. Press  for about 2 seconds.

- “” is displayed on the LCD.
- If a button is pressed while CHILD LOCK is on, “” blinks.

■ To cancel the CHILD LOCK

1. Press  for about 2 seconds again.

- “” disappears from the LCD.

Care and Cleaning



CAUTION

Before cleaning, be sure to stop the operation and turn off the circuit breaker.

Units

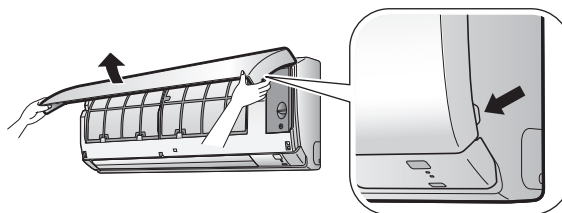
■ Indoor unit and remote controller

1. Wipe them with a dry soft cloth.

■ Front panel

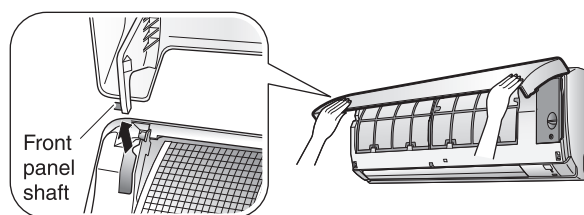
1. Open the front panel.

- Hold the front panel by the indentations in the main unit and open the front panel.



2. Remove the front panel.

- Slide the front panel to either the left or right and pulling it toward you. This will disconnect the front panel shaft on one side.
- Disconnect the front panel shaft on the other side in the same manner.
- You can also remove the front panel by pushing it open until the front panel shaft is disconnected.

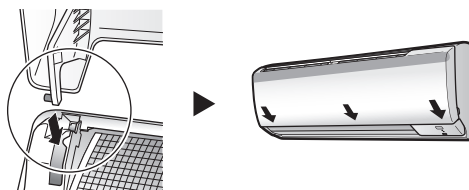


3. Clean the front panel.

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

4. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.
- Close the front panel slowly.
- Press the front panel at both sides and the centre.



CAUTION

- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40°C, benzene, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hard stuff.
- After cleaning, make sure that the front panel is securely fixed.

Care and Cleaning

Air filter

1. Pull out the air filters.

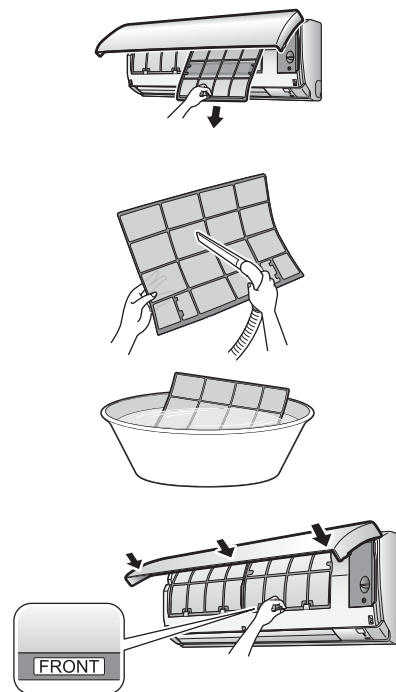
- Open the front panel.
- Push the filter tab at the center of each air filter a little upwards, then pull it down.

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

- Be sure to remove the accessory filter (optional part).
- It is recommended to clean the air filters every 2 weeks.
- If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.

3. Set the air filter as they were and close the front panel.

- Insert claws of the filters into slots of the front panel. Close the front panel slowly and push the panel at the 3 points.
- Press the front panel at both sides and the centre.



Titanium apatite photocatalytic/Multi fuction/Air-purifying filter/Anti Microbial filter

[Maintenance]

Filter can be renewed by washing it with water once every 6 months.
We recommend replacing it once every 3 years.

1. Take off the filter.

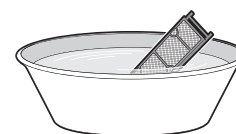
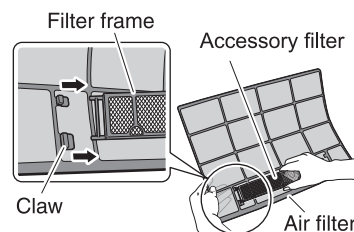
- Open the front panel and pull out the air filters.
- Hold the recessed parts of the frame and unhook the 4 claws.

2. Vacuum dust, and soak in lukewarm water or water for about 10 to 15 minutes if dirt is heavy.

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

3. After washing, shake off remaining water and dry in the shade.

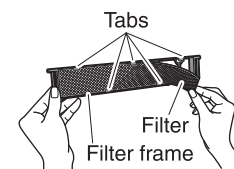
- Do not wring out the filter when removing water from it.



[Replacement]

1. Replace the old filter with a new one.

- If you replace only the filter, check that the filter is set in the tabs when attaching it.



Care and Cleaning

Ag-ion filter / Micro filter PM 2.5 & 0.1

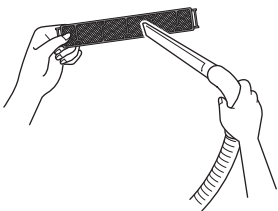
[Maintenance]

The filter can be renewed by cleaning it with a vacuum cleaner. We recommend replacing it once every 6.5 years.

1. Take off the filter.

2. Vacuum dust.

- Do not wash the filter as this will reduce its efficiency.



[Replacement]

1. Replace the old filter with a new one.

NOTE


- Dispose of the old filter as non-flammable waste.
- Dispose of the old filter frame in accordance with your local waste sorting procedures.
- To order an optional filter, contact the service shop where you bought the air conditioner.

Item	Part No.
Titanium apatite photocatalytic air-purifying filter (with frame) 1 set	KAF970A45
Ag-ion filter (with frame) 1 set	KAF057A41
Anti Microbial filter (with frame) 1 set	KAF500A504
Micro-filter-PM 2.5 (with frame) 1 set	KAF250A502
Micro-filter-PM 0.1 (with frame) 1 set	KAF010A503

- Operation with dirty filters: (1)cannot deodorise the air. (2)cannot clean the air.
(3)results in poor cooling. (4)may cause odour.

■ Before a long idle period

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

- Press **MODE** and select FAN operation.
- Press  and start the operation.

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

3. Clean the air filters and set them again.

4. Take out 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 aside from regular cleaning by the user. For specialist maintenance, contact the service shop where you bought the air conditioner.
The maintenance cost must be born by the user.

Troubleshooting

These cases are not problems.

The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

Case	Explanation
The air conditioner stops generating airflow during HEAT operation.	<ul style="list-style-type: none">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.	<ul style="list-style-type: none">The outdoor unit is defrosting. HEAT operation starts after the frost on the outdoor unit has been removed. This can take about 20 minutes.In HEAT operation mode, if the outdoor temperature is above/below the temperature range indicated under "Operating conditions", a safety device will trip disabling operation. ▶Page 9
Operation does not start soon. <ul style="list-style-type: none">When "ON/OFF" button was pressed soon after operation was stopped.When the mode was reselected.	<ul style="list-style-type: none">This is to protect the air conditioner. You should wait for about 3 minutes.
Air does not come out.	<ul style="list-style-type: none">If the operation is started when the SMELL PROOF operation is set, the SMELL PROOF operation starts running to prevent unpleasant odour inside the indoor unit. Wait for about 1 minute. (Except when POWERFUL operation is set.) ▶Page 11 ■ 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.
The flap does not start swinging immediately.	<ul style="list-style-type: none">The air conditioner is adjusting the position of the flap. The flap will start moving soon.
Operation stopped suddenly. (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. Voltage range protection: 160V-265V
A sound is heard.	■ A sound like flowing water <ul style="list-style-type: none">This sound is generated because the refrigerant in the air conditioner is flowing.This is a pumping sound of the water in the air conditioner and can be heard when the water is pumped out from the air conditioner during COOL or DRY operation. ■ Blowing sound <ul style="list-style-type: none">This sound is generated when the flow of the refrigerant in the air conditioner is switched over. ■ Ticking sound <ul style="list-style-type: none">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 <ul style="list-style-type: none">This sound is generated when refrigerant flows during defrosting operation. ■ Clipping sound <ul style="list-style-type: none">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.
The outdoor unit emits water or steam.	■ In HEAT operation <ul style="list-style-type: none">The frost on the outdoor unit melts into water or steam when the air conditioner is in defrosting operation. ■ In COOL or DRY operation <ul style="list-style-type: none">Moisture in the air condenses into water on the cool surface of the outdoor unit piping and drips.

Troubleshooting

Case	Explanation
Mist comes out of the indoor unit.	<ul style="list-style-type: none">• This happens when the air in the room is cooled into mist by the cold airflow during COOL operation.
The indoor unit gives out odour.	<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.
The outdoor fan rotates while the air conditioner is not in operation.	<p>■ Immediately after the air conditioner is stopped:</p> <ul style="list-style-type: none">• The outdoor unit fan continues rotating for about another 1 minute to protect the system. <p>■ While the air conditioner is not in operation:</p> <ul style="list-style-type: none">• When the outdoor temperature is high, the outdoor unit fan may start rotating to protect the system.
Remote controller does not work properly.	<p>■ No remote controller signals are displayed.</p> <p>■ The remote controller sensitivity is low.</p> <p>■ The display is low in contrast or blacked out.</p> <p>■ The display runs out of control.</p> <ul style="list-style-type: none">• The batteries are dying and the remote controller is malfunctioning. Replace both batteries with new, dry batteries (AAA). <p>For details, refer to “To insert the batteries” of this manual. ▶Page 6</p>

Check again.

Please check again before requesting repairs.

Case	Explanation
The air conditioner does not operate. (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?• Is the timer setting correct?
The room does not cool down/ warm up.	<ul style="list-style-type: none">• Is the airflow rate setting appropriate? If the airflow rate setting is too low, increase it.• Is the set temperature appropriate?• Is the adjustment of the airflow direction appropriate?• 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 the air conditioner in ECONO operation or GOOD SLEEP OFF TIMER operation?• In HEAT operation mode, if the outdoor temperature is low, the set temperature may not be reached.
Operation stops suddenly. (OPERATION lamp flashes.)	<ul style="list-style-type: none">• Are the air filters dirty?• Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit?• Turn off the circuit breaker and take all obstacles away. Then turn it on again and try operating the air conditioner with the remote controller. If the lamp still flashes, call the dealer where you bought the air conditioner. If the lamps stop flashing after the above steps, there is no malfunction.
An abnormal functioning happens during operation.	<ul style="list-style-type: none">• The air conditioner may malfunction with lightning or radio waves. Turn off the circuit breaker, turn it on again and try operating the air conditioner with the remote controller.

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



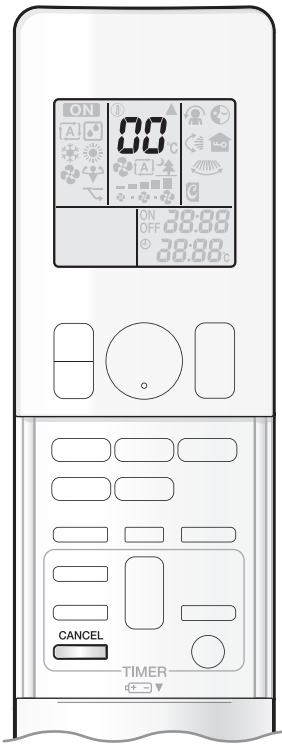
Your air conditioning product is marked with this symbol. This means that electrical and electronic products shall not be mixed with unsorted household waste.

Do not try to dismantle the system yourself: the dismantling of the air conditioning system, treatment of the refrigerant, of oil and of other parts must be done by a qualified installer in accordance with relevant local and national legislation.

Air conditioners must be treated at a specialized treatment facility for re-use, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

Batteries must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

Troubleshooting



Fault diagnosis by remote controller

The remote controller can receive a corresponding error code from the indoor unit.


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

2. Press  repeatedly until a continuous beep is produced.

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

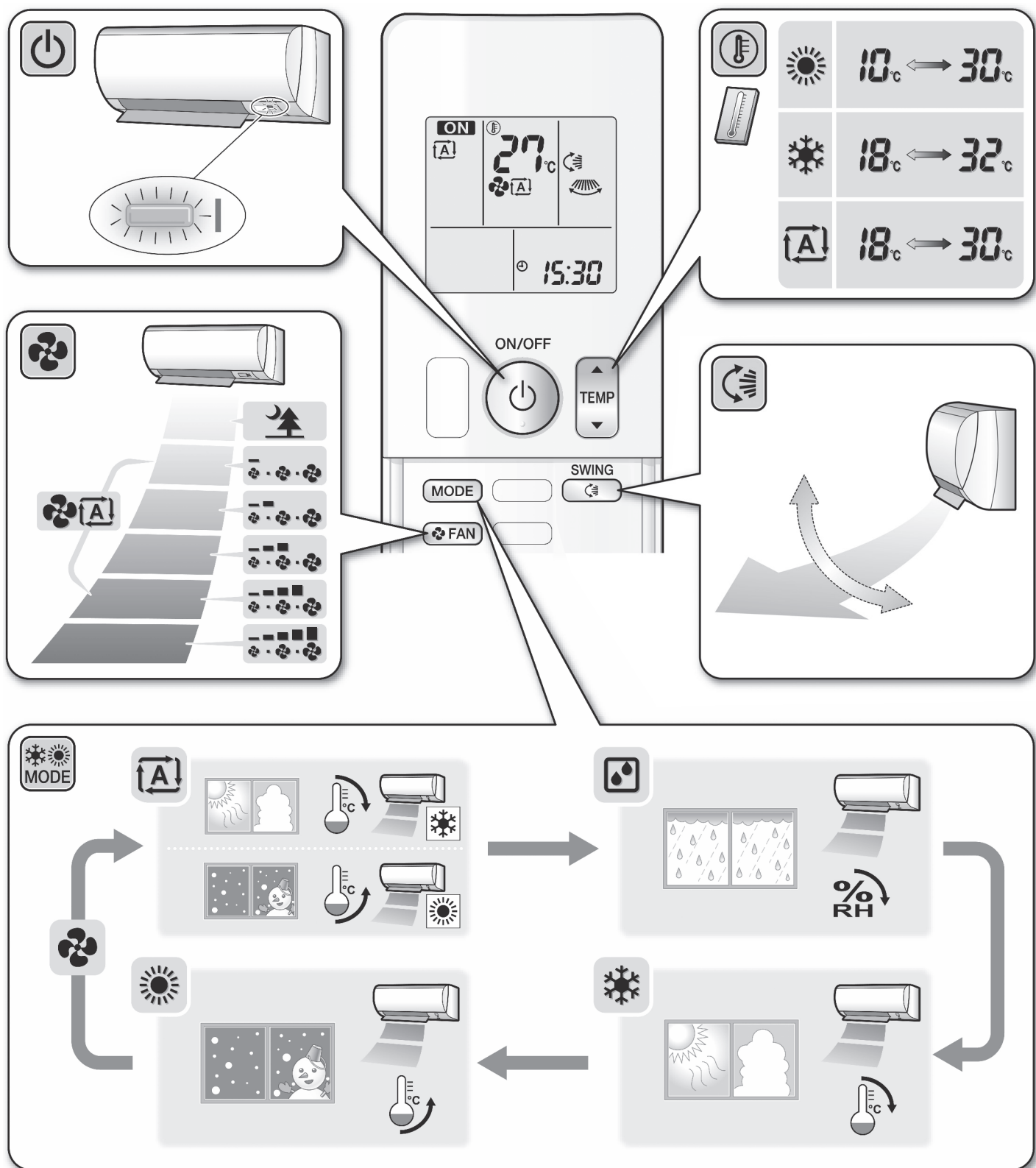
	CODE	MEANING
SYSTEM	00	NORMAL
	UA	INDOOR-OUTDOOR UNIT COMBINATION FAULT
	U0	REFRIGERANT SHORTAGE
	U2	DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE
	U4	FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT)
INDOOR UNIT	A1	INDOOR PCB DEFECTIVENESS
	A5	FREEZE-UP PROTECTOR
	A6	FAN MOTOR FAULT
	C4	FAULTY 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)
	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 down  for about 5 seconds.
The code display also cancels itself if the button is not pressed for 1 minute.

MEMO

Quick Reference



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