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## **Wireless Remote Controller and Wireless Receiver Kit**

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MODELS:

**BRC7M530W**

**BRC7M531W**

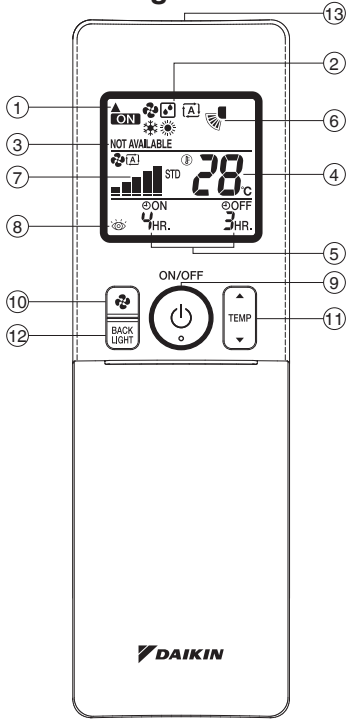
Thank you for purchasing this product.

Carefully read this manual to ensure proper operation and installation.

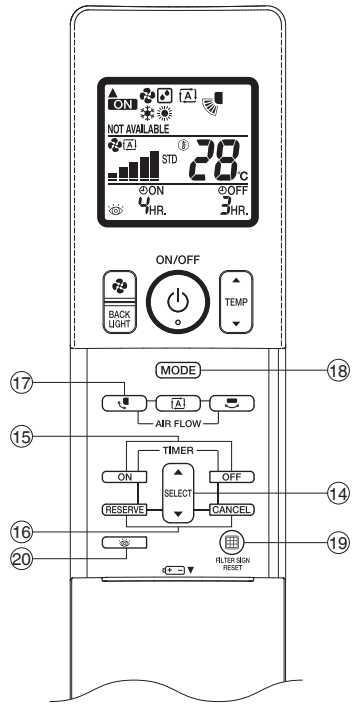
After reading the manual, file it away for future reference.

Furthermore, make certain that this manual is handed to a new user when he takes over the operation.

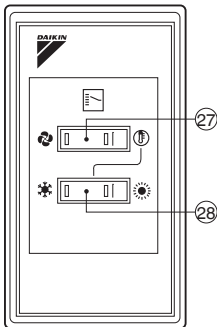
**Fig. 1-1**



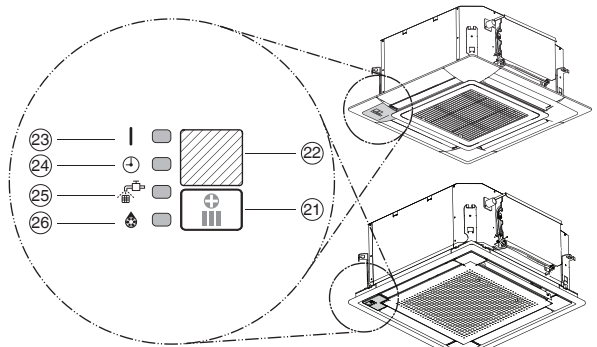
**Fig. 1-2**



**Fig. 1-3**



**Fig. 2**



COOL/HEAT CHANGEVER  
REMOTE CONTROL SWITCH

## PRIOR TO USE

This manual is exclusively for instructions on how to use the wireless remote controller.

Read also the operation manual attached to the indoor unit and to the outdoor unit for safe usage of the system and maintenance.

### ■ Disposal requirements

Your product and the batteries supplied with the controller are marked with this symbol. This symbol means that electrical and electronic products and batteries shall not be mixed with unsorted household waste.

For batteries, a chemical symbol can be printed beneath the symbol. This chemical symbol means that the battery contains a heavy metal above a certain concentration.

Possible chemical symbols are:

#### ■ Pb: lead (>0.004%)

Do not try to dismantle the system yourself: the dismantling of the product, 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.

Units and waste batteries must be treated at a specialized treatment facility for re-use, recycling and recovery.

By ensuring correct disposal, you will help to prevent potential negative consequences for the environment and human health.

Please contact the installer or local authority for more information.



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### ■ Wireless Remote Controller For operation

#### 1. SAFETY PRECAUTIONS


To gain full advantage of the air conditioner's functions and to avoid malfunction due to mishandling, please read this operation manual carefully before use. This product comes under the term "appliances not accessible to the general public".


**This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.**

**This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall only be done by persons described in manual.**

**The appliance is not intended for use by unattended young children or persons who are incompetent to operate air conditioners. It may result in injury or electric shocks.**

- **This manual classifies the precautions into WARNINGS and CAUTIONS. Be sure to follow all the precautions below: They are all important for ensuring safety.**

 **WARNING.....** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION .....** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

- **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**

**When the air conditioner is malfunctioning (giving off a burning odor, etc.), turn off the power to the air conditioner and contact your local dealer.**

Continued operation under such circumstances may result in a failure, electric shocks or a fire.

**Consult your local dealer regarding modification, repair and maintenance of the air conditioner.**

Improper workmanship may result in water leakage, electric shocks or a fire.

**Be sure to use fuses with the correct ampere reading.**

Do not use improper fuses, copper or other wiring as a substitute, as this may result in electric shocks, a fire, injury or damage to the air conditioner.

**Consult your local dealer if the air conditioner submerges owing to a natural disaster, such as flood or typhoon.**

Do not operate the air conditioner in that case, or otherwise a malfunction, electric shocks, or a fire may result.

**Start or stop the air conditioner with the remote controller. Never use the power circuit breaker for this purpose.**

Otherwise, it may cause a fire or water leakage. Furthermore, if an automatic restart control is provided against power failure and the power is recovered, the fan will rotate suddenly and may cause injury.

**Do not use the air conditioner in the atmosphere contaminated with oil vapor, such as cooking oil or machine oil vapor.**

Oil vapor may cause crack damage to the air conditioner, electric shocks, or a fire.

**Do not use flammable materials (e.g., hairspray or insecticide) near the air conditioner.**

**Do not clean the air conditioner with organic solvents such as paint thinner.**

The use of organic solvents may cause crack damage to the air conditioner, electric shocks, or a fire.

**Do not use the air conditioner in places with excessive oily smoke, such as cooking rooms, or in places with flammable gas, corrosive gas, or metal dust.**

Using the air conditioner in such places may cause a fire or air conditioner failures.

**Beware of a 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 local dealer for assistance. The refrigerant used for the air conditioner is safe and normally does not leak. However, if the refrigerant leaks and gets in contact with a naked burner, heater or cooker, it may generate hazardous compounds.

Turn off the air conditioner and call your local dealer. Turn on the air conditioner after the qualified service person makes sure to confirm that the leakage is repaired.

**Do not place objects, including rods, your fingers, etc., in the air inlet or outlet.**

Injury may result due to contact with the air conditioner's high speed fan blades.

**Consult your local dealer regarding cleaning the inside of the air conditioner.**

Improper cleaning may cause breakage of plastic parts, water leakage and other damage as well as electric shocks.

**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.**

**Consult your local dealer about installation work.**

Doing the work yourself may result in water leakage, electric shocks or a fire.

**Contact professional personnel about attachment of accessories and be sure to use only accessories specified by the manufacturer.**

If a defect results from your own workmanship, it may result in water leakage, electric shocks or a fire.

**Consult your local dealer regarding relocation and reinstallation of the air conditioner.**

Improper installation work may result in leakage, electric shocks or a fire.

**Be sure to earth the air conditioner.**

Do not earth the air conditioner to a utility piping, lightning conductor or telephone earth lead. Imperfect earthing may result in electric shocks or a fire.

A high surge current from lightning or other sources may cause damage to the air conditioner.

**Be sure to install an earth leakage breaker.**

Failure to install an earth leakage breaker may result in electric shocks or a fire.

**Be sure to use a dedicated power supply for the air conditioner.**

The use of any other power supply may cause heat generation, a fire, or air conditioner failures.

**Consult your local dealer regarding what to do in case of refrigerant leakage.**

When the air conditioner is installed in a small room, it is necessary to take proper measures so that the amount of any leaked refrigerant does not exceed the concentration limit in the event of a leakage. Otherwise, this may lead to an accident due to oxygen depletion.

—  **CAUTION** —

**Children should be watched so that they do not play with the indoor unit or its remote controller.**

Accidental operation by a child may result in injury or electric shocks.

**Do not allow a child to mount on the outdoor unit or avoid placing any object on it.**

Falling or tumbling may result in injury.

**Do not let children play on or around the outdoor unit.**

If they touch the unit carelessly, injury may be caused.

**Be sure that children, plants or animals are not exposed directly to airflow from the indoor unit, as adverse effects may ensue.**

**Do not place flammable sprays or operate spray containers near the air conditioner as this may result in a fire.**

**Do not wash the air conditioner or the remote controller with water, as this may result in electric shocks or fire.**

**Do not place water containers (flower vases, etc.) on the indoor unit, as this may result in electric shocks or a fire.**

**Do not put flammable containers, such as spray cans, within 1 m from the air outlet.**

The containers may explode because the warm air from the indoor or outdoor unit will affect them.

**Turn off the power when the air conditioner is not used for long periods of time.**

Otherwise, the air conditioner may get hot or catch on a fire due to dust accumulation.

**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 a fire when making contact with electrical parts.

**Before cleaning, be sure to stop the air conditioner operation, turn the power circuit breaker off.**

Otherwise, an electric shocks and injury may result.

**To avoid electric shocks, do not operate with wet hands.**

**Never touch the internal parts of the remote controller.**

Touching certain internal parts will cause electric shocks and damage to the remote controller.

Consult your local dealer about checking and adjustment of internal parts.

**To avoid oxygen deficiency, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.**

**Do not leave the remote controller wherever there is a risk of wetting.**

If water gets into the remote controller there is a risk of electrical leakage and damage to electronic components.

**Watch your steps at the time of air filter cleaning or inspection.**

High-place work is required, to which utmost attention must be paid.

If the scaffold is unstable, you may fall or topple down, thus causing injury.

**Do not remove the outdoor unit's outlet side grille.**

The grille protects against the unit's high speed fan, which may cause injury.

**To avoid injury, do not touch the air inlet or aluminum fins of the air conditioner.**

**Do not place objects that are susceptible to moisture directly beneath the indoor or outdoor units.**

Under certain conditions, condensation on the unit or refrigerant piping, air filter dirt or drain blockage may cause dripping, resulting in fouling or failure of the object concerned.

**Do not place heaters directly below the indoor unit, as resulting heat can cause deformation.**

**Do not place appliances that produce naked flames in places exposed to the airflow from the air conditioner 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 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 install the air conditioner at any place where there is a danger of flammable gas leakage.**

In the event of a gas leakage, build-up of gas near the air conditioner may result in a fire.

**Carry out drain piping properly to ensure complete drainage.**

If drain piping is not carried out properly, drain will not flow out. Then, dirt and debris may be accumulated in the drain piping and may cause water leakage. If it occurs, stop the air conditioner and call your local dealer for assistance.

**When using the wireless remote controller, do not put a strong light beam or install an inverter fluorescent lamp near the receiving section on the indoor unit.**

A malfunction may occur.

**The batteries must be removed from the appliance before it is scrapped and they are disposed of safely.**





## 2. WHAT TO DO BEFORE OPERATION

Refer to the operation manual attached to the indoor unit.

## 3. NAMES AND FUNCTIONS OF THE OPERATING SECTION (Refer to Fig. 1-1, 1-2, 1-3, 2 on page [1])

1	<b>DISPLAY “▲” (SIGNAL TRANSMISSION)</b> This blinks when a signal is being transmitted.
2	<b>DISPLAY “❄️” “🏠” “🌞” “🌧️” “☀️” (OPERATION MODE)</b> This display shows the current OPERATION MODE. Operation modes supported depend on the model that is connected.
3	<b>DISPLAY “NOT AVAILABLE” (displayed when operation is not supported)</b> When a button for a function that is not supported on the connected model is pressed, this displays for 2 seconds.
4	<b>DISPLAY “<sup>SP</sup>28<sub>C</sub>” (SET TEMPERATURE)</b> This display shows the set temperature.
5	<b>DISPLAY “<sup>ON</sup>4<sub>HR.</sub> <sup>OFF</sup>3<sub>HR.</sub>” (PROGRAMMED TIME)</b> This display shows PROGRAMMED TIME of the air conditioner start or stop.

6	<b>DISPLAY “🚪” (SWING FLAP)</b> Refer to page 9, 10.
7	<b>DISPLAY “📶” (FAN SPEED)</b> The display shows the set fan speed.
8	<b>DISPLAY “👁️” (INSPECTION)</b> When the INSPECTION BUTTON is pressed, the display shows the system mode is in. Do not operate this button during normal use.
9	<b>ON/OFF BUTTON</b> Press the button and the air conditioner will start. Press the button again and the air conditioner will stop.
10	<b>FAN SPEED CONTROL BUTTON</b> Press this button to select the fan speed.
11	<b>TEMPERATURE SETTING BUTTON</b> Use this button for SETTING TEMPERATURE.
12	<b>BACKLIGHT BUTTON</b> Press this button to turn the backlight on or off.
13	<b>SIGNAL TRANSMITTER</b> This sends the signals to the indoor unit.
14	<b>PROGRAMMING TIMER BUTTON</b> Use this button for programming “START and/or STOP” time.
15	<b>TIMER MODE ON/OFF BUTTON</b> Refer to page 10.
16	<b>TIMER RESERVE/CANCEL BUTTON</b> Refer to page 11.
17	<b>AIRFLOW DIRECTION ADJUST BUTTON</b> Refer to page 9, 10.
18	<b>OPERATION MODE SELECTOR BUTTON</b> Press this button to select OPERATION MODE. “❄️” (COOLING), “🌞” (HEATING), “🏠” (AUTOMATIC), “🌀” (FAN), “🚪” (PROGRAM DRY).
19	<b>FILTER SIGN RESET BUTTON</b> Refer to the section of MAINTENANCE in the operation manual attached to the indoor unit.
20	<b>INSPECTION BUTTON</b> This button is used only by qualified service persons for maintenance purposes. Do not operate this button during normal use.
21	<b>EMERGENCY OPERATION SWITCH</b> This switch is readily used if the remote controller does not work.
22	<b>RECEIVER</b> This receives the signals from the remote controller.
23	<b>OPERATING INDICATOR LAMP (Red)</b> This lamp stays lit while the air conditioner runs. It flashes when the air conditioner is in trouble.

24	<b>TIMER INDICATOR LAMP (Green)</b> This lamp stays lit while the timer is set.
25	<b>AIR FILTER CLEANING TIME INDICATOR LAMP (Red)</b> Lights up when it is time to clean the air filter.
26	<b>DEFROST OPERATION LAMP (Orange)</b> Lights up when the defrosting operation has started.
27	<b>FAN/AIR CONDITIONING SELECTOR SWITCH</b> Set the switch to “  ” (FAN) for FAN and “  ” (A/C) for HEAT or COOL.
28	<b>COOL/HEAT SELECTOR SWITCH</b> Set the switch to “  ” (COOL) for COOL and “  ” (HEAT) for HEAT.

**NOTE** 

- For the sake of explanation, all indications are shown on the display in **Fig. 1-1** contrary to actual running situations.
- **Fig. 1-2** shows the remote controller with the front cover opened.
- **Fig. 1-3** shows this remote controller can be used in conjunction with the one provided with the VRV system.
- If the AIR FILTER CLEANING TIME INDICATOR LAMP lights up, clean the air filter as explained in the operation manual attached to the indoor unit.
- After cleaning and reinstalling the air filter, press the FILTER SIGN RESET BUTTON on the remote controller. The AIR FILTER CLEANING TIME INDICATOR LAMP on the receiver will go out.
- The DEFROST OPERATION LAMP will flash when the power is turned on. This is not a malfunction.
- Do not place the remote controller where subject to direct sunlight. The display of the remote controller will get discolored and may fail to display information.

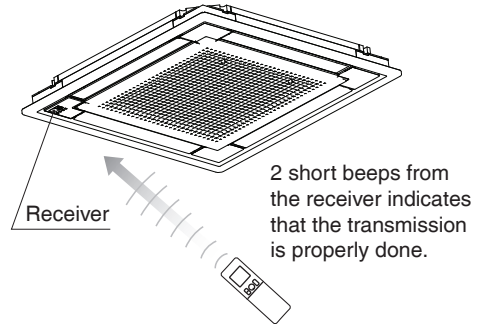
**[CAUTIONS]**

**Make sure to turn off the unit and disconnect the power supply breaker when taking care of the air conditioner. Unless the power supply is disconnected, it may cause electric shocks and injuries.**

## 4. HANDLING FOR WIRELESS REMOTE CONTROLLER

**[Precautions in handling remote controller]**  
**Direct the transmitting part of the remote controller to the receiving part of the air conditioner.**

If something blocks the transmitting and receiving path of the indoor unit and the remote controller as curtains, it will not operate.



### Types of receiving tone

The following receiving tones sound when remote controller signals are detected by the receiver.

**2 SHORT BEEPS:**

Signal from the remote controller was received successfully.

**1 LONG BEEP:**

(Error tone) The selected function is not supported on this indoor unit.

**3 SHORT BEEPS:**

(Error tone) Setting/change cannot be made using this remote controller as centralised control is in operation.

**NOTE** 

- After settings are changed or operation is turned ON/OFF, make sure that the receiving tone of the indoor unit makes a beeping sound.

**The maximum transmitting distance is 7 m.**

This depends on the installation condition of the indoor unit.

**Do not drop or get it wet.**

It may be damaged.

**Never press the button of the remote controller with a hard, pointed object.**

The remote controller may be damaged.

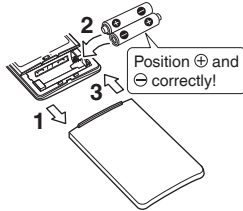


## Installation site

- It is possible that signals will not be received in rooms that have electronic fluorescent lighting. Please consult with your local dealer before buying new fluorescent lights.
- If the remote controller operated some other electrical apparatus, move that machine away or consult your local dealer.
- Do not install the remote controller in places exposed to direct sunlight. Doing so could result in discolouration and failure of the LCD.

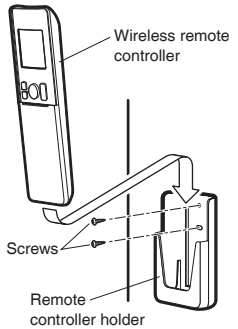
## Loading the batteries

1. Slide the front cover and remove it.
2. Put 2 dry cell batteries AAA, LR03 (alkaline).
3. Replace the front cover.



## Mounting the remote controller holder on a wall

1. Select a place from where the signals will reach the unit.
2. Use locally purchased screws to fasten the holder to a wall, pillar or similar surface.
3. Place the remote controller in the remote controller holder.



## — When to change batteries —

Under normal use, batteries last about a year. However, change them whenever the indoor unit doesn't respond or responds slowly to commands, or if the display becomes dark.

## [CAUTIONS]

- Replace all batteries at the same time, do not use new and old batteries intermixed.
- In case the remote controller is not used for a long time take out all batteries in order to prevent liquid leak of the battery.

## IN THE CASE OF CENTRALIZED CONTROL SYSTEM

If the indoor unit is under centralized control, it is necessary to switch the remote controller's setting. In this case, contact your local dealer.

## 5. OPERATION RANGE

If the temperature or the humidity is beyond the operation range\*, safety devices may work and the air conditioner may not operate, or sometimes, water may drop from the indoor unit.

\*Refer to the operation range shown in the operation manual attached to the indoor or outdoor unit.

## 6. INSTALLATION SITE

Refer to operation manual attached to the indoor unit.

## 7. OPERATION PROCEDURE

- Operation procedure varies with heat pump type and cooling only type. Contact your local dealer to confirm your system type.
- To protect the unit, turn on the main power switch 6 hours before operation.
- Do not shut off the power supply during seasonal use of the air conditioner. This is required in order to activate the air conditioner smoothly.
- If the main power supply is turned off during operation, operation will restart automatically after the power turns back on again.

## COOLING, HEATING, AUTOMATIC, FAN, AND PROGRAM DRY OPERATION

Operate in the following order.

- Operation modes supported depend on the model that is connected.
- For cooling only type, "COOLING", "FAN" and "PROGRAM DRY" operation are able to select.

## FOR SYSTEMS WITHOUT COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH

Refer to Fig. 1-2 on page [1]

## 1 OPERATION MODE SELECTOR

Press OPERATION MODE SELECTOR button several times and select the OPERATION MODE of your choice as follows.


- COOLING OPERATION ..... "❄️"  
The recommended set temperature is 26 to 28°C.
- HEATING OPERATION ..... "☀️"  
The recommended set temperature is 18 to 23°C.

■ AUTOMATIC OPERATION..... “

- In this operation mode, COOLING/HEATING changeover is automatically conducted.
- AUTOMATIC OPERATION controls the temperature based on the set temperature, so it maintains a comfortable temperature throughout the year.

<Example>

When the indoor temperature decreases to 23°C or less when the set temperature is at 25°C in the AUTOMATIC COOLING OPERATION, the operation is changed over to the AUTOMATIC HEATING OPERATION. When the indoor temperature reaches 27°C or more, the operation is changed over to the AUTOMATIC COOLING OPERATION.

■ FAN OPERATION ..... “

Air in the room is circulated.

■ PROGRAM DRY OPERATION ..... “

- The function of this program is to decrease the humidity in your room with the minimum temperature decrease.
- The set temperature is the indoor temperature when starting operation by PROGRAM DRY OPERATION.
- Micro computer automatically determines TEMPERATURE and FAN SPEED.
- This system does not go into operation if the room temperature is below 16°C.

**2**  **ON/OFF**

**Press ON/OFF button.**

OPERATING INDICATOR LAMP (Red) lights up or goes off and the system starts or stops OPERATION.

- The fan may keep on running for about 1 minute after the heating operation stops for removing the heat in the indoor unit.

**NOTE** 

- Do not turn OFF power immediately after the unit stops. Then, wait no less than 5 minutes. Water is leaking or there is something else wrong with the unit.

**FOR SYSTEMS WITH COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH**

(Refer to “Switching operations on VRV system” on page 11, 12.)

Refer to Fig. 1-1, 1-3 on page [1]

**1**  **OPERATION MODE SELECTOR**

(1) Select OPERATION MODE with the COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH as follows.

■ COOLING OPERATION ..... “

■ HEATING OPERATION ..... “

■ FAN OPERATION ..... “

■ PROGRAM DRY OPERATION ..... “

(2) In the case of PROGRAM DRY OPERATION, press OPERATION MODE SELECTOR button on the wireless remote controller several times until “

**AUTOMATIC OPERATION is not available.**

**2**  **ON/OFF**

**Press ON/OFF button.**

OPERATING INDICATOR LAMP (Red) lights up or goes off and the system starts or stops operation.

- The fan may keep on running for about 1 minute after the heating operation stops for removing the heat in the indoor unit.

**NOTE** 

- Do not turn OFF power immediately after the unit stops. Then, wait no less than 5 minutes. Water is leaking or there is something else wrong with the unit.

## ■ CHARACTERISTICS OF THE COOLING OPERATION (COOLING OPERATION AND AUTOMATIC COOLING OPERATION)

- After continuous operation with the airflow horizontally or downward, the air conditioner operates with different airflow direction for a certain period of time to prevent condensation build-up on the airflow direction blades. (The remote controller displays the airflow direction that is set.)
- If the COOLING OPERATION is used when the indoor temperature is low, frost adheres to the heat exchanger of the indoor unit. This can decrease the cooling capacity. In this case, the system automatically switches to DEFROST OPERATION for a while. During DEFROST OPERATION, the low fan speed is used to prevent the discharge of meltwater. (The remote controller displays the fan speed that is set.)
- When the outside temperature is high, it takes some time until the indoor temperature reaches the set temperature.

## ■ CHARACTERISTICS OF THE HEATING OPERATION (HEATING OPERATION AND AUTOMATIC HEATING OPERATION)

### START OF OPERATION

- It generally takes a longer time for indoor temperature of the HEATING OPERATION to reach the set temperature compared to the COOLING OPERATION. It is advisable to start operation in advance using the TIMER OPERATION.

### After operation is stopped

- The fan operates for about 1 minute to dispel heat inside the indoor unit.

### Perform the following operation to prevent heating capacity decrease and discharge of cool air.

### AT THE START OF OPERATION AND AFTER DEFROST OPERATION

- A warm air circulating system is employed, and therefore it takes some time until the entire room is warmed up after the start of operation.
- The indoor fan runs to discharge a gentle wind automatically until the temperature inside the air conditioner reaches a certain level. At this time, the DEFROST OPERATION LAMP on the light receiving unit indicator lights. Leave it as it stands and wait for a while. (The remote controller displays the fan speed that is set.)

- The air discharge direction becomes horizontal to prevent a draft of cool air to the inhabitants. (The remote controller will display the set airflow direction.)

### DEFROST OPERATION (Frost removal operation for the outdoor unit)

- As the frost on the coil of an outdoor unit increase, heating effect decreases and the system goes into the DEFROST OPERATION.
- The warm air stops, and the DEFROST OPERATION LAMP on the light receiving unit turn on. (The remote controller displays the fan speed that is set.)
- After maximum 10 minutes of the DEFROST OPERATION, the air conditioner returns to the HEATING OPERATION.
- The airflow direction becomes horizontal. (The remote controller displays the airflow direction that is set.)
- During or after the DEFROST OPERATION, white mist comes out from the air inlet or outlet of the air conditioner.
- A hissing and “Shuh” sound may be heard during this particular operation.

### Regarding outside air temperature and heating capacity

- The heating capacity of the air conditioner declines as the outside air temperature falls. In such a case, use the air conditioner in combination with other heating systems. (When a combustion appliance is used, ventilate the room regularly.) Do not use the combustion appliance where the air from the air conditioner is blown directly toward it.
- When the warm air stays under the ceiling and your feet are cold, we recommend that you use a circulator (a fan to circulate the air inside the room). For details, consult your local dealer.
- When the indoor temperature exceeds the set temperature, the indoor unit discharges a gentle breeze (switches to gentle wind). The airflow direction becomes horizontal. (The remote controller displays the fan speed and airflow direction that are set.)

### FAN OPERATION

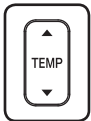
- Only the fan inside the indoor unit operates, and the air in the room is circulated.

## ■ CHARACTERISTICS OF THE PROGRAM DRY OPERATION

- This operation lowers the humidity without lowering the indoor temperature. The indoor temperature when the operation button is pressed will be the set temperature. At this time, the fan speed and temperature are set automatically, so the remote controller does not display the fan speed and set temperature. To efficiently lower the indoor temperature and humidity, first use the COOLING OPERATION to lower the indoor temperature, and then use the PROGRAM DRY OPERATION. When the indoor temperature is lowered, airflow from the indoor unit may stop.
- When operating continuously at downward airflow direction, air blows in the automatically set direction for a period of time to prevent condensation on the horizontal blades.
- If the PROGRAM DRY OPERATION is used when the indoor temperature is low, frost forms on the heat exchanger of the indoor unit. In this case, the system automatically switches to the DEFROST OPERATION for a while.

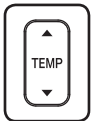
## ADJUSTMENT

For programming TEMPERATURE, FAN SPEED and AIRFLOW DIRECTION, follow the procedure shown below.



### TEMPERATURE SETTING

**Press TEMPERATURE SETTING button and program the set temperature.**



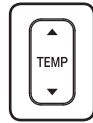
Each time this button is pressed, set temperature rises 1°C.

Each time this button is pressed, set temperature lowers 1°C.

- Temperature cannot be set in FAN OPERATION and PROGRAM DRY OPERATION modes.

## In case of AUTOMATIC OPERATION

- In AUTOMATIC OPERATION mode, the relative temperature as compared to the standard set temperature is displayed.



Each time this button is pressed, setting temperature shifts to "H" side.

Each time this button is pressed, setting temperature shifts to "L" side.

	°C				
	H	•	M	•	L
Setting temperature	25	23	22	21	19

## NOTE

- The set temperature range of the remote controller is 16°C to 32°C.



### FAN SPEED CONTROL

**Press FAN SPEED CONTROL button.**

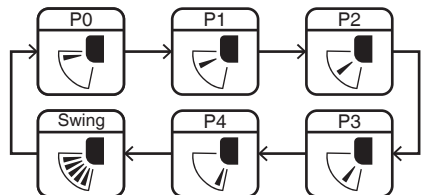
Fan speed can be selected.

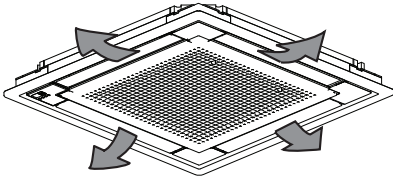
- High, Medium or Low fan speed can be selected.
- The micro computer may sometimes control the fan speed in order to protect the unit.
- The fan speed may be changed automatically depending on the indoor temperature. The fan may be stopped, but this is normal.
- It may take some time until the airflow switch is completed, but this is normal.
- Fan speeds supported depend on the model that is connected.
- In "Auto" (A), the fan speed is adjusted according to the set temperature and the temperature in the room. However, in FAN OPERATION mode, fan speed is the same as that in "High".
- The fan speed will not be displayed if the indoor unit does not have fan speed control function.



### UP AND DOWN AIRFLOW DIRECTION ADJUSTMENT

The up/down airflow direction position switches each time the up/down airflow direction button is pressed.





### Movement of the swing flap

Under the operating conditions described below, airflow direction is controlled automatically, so it may differ from the airflow direction displayed on the remote controller.

Operation mode	<ul style="list-style-type: none"> <li>• COOLING</li> <li>• AUTOMATIC COOLING</li> <li>• PROGRAM DRY</li> </ul>	<ul style="list-style-type: none"> <li>• HEATING</li> <li>• AUTOMATIC HEATING</li> </ul>
Up and down direction	<p>Air blows in the automatic set direction for a period of time to prevent condensation on the horizontal blades.</p> <ul style="list-style-type: none"> <li>• When operating continuously at downward airflow direction</li> <li>• If you try cooling or programmed drying, while the flaps are facing downward, airflow direction may change unexpectedly. There is nothing wrong with the equipment. This serves to prevent dew formed on parts in the air discharge outlet from dripping.</li> </ul>	<p>The airflow direction becomes horizontal so that it does not blow directly toward your body.</p> <ul style="list-style-type: none"> <li>• When room temperature is higher than the set temperature</li> <li>• When the HEATING OPERATION starts or during DEFROST OPERATION (if frost forms on the outdoor unit)</li> </ul>

### Description of airflow direction settings and operation

The range of movement of the airflow direction blades varies by indoor unit model. Consult the dealer of purchase for details.

Airflow direction settings	■ 2 × 2 Cassette
	Up/down airflow
Fixed	<p>The airflow direction can be fixed in any position in the range Position 0 to Position 4.</p> <p>Indoor unit (Desired position)</p>
Swing	<p>The airflow direction blades automatically move up/down or left/right within the range of Position 0 to Position 4.</p> <p>Indoor unit (Swing)</p>

### PROGRAM TIMER OPERATION

Operate in the following order.

- The timer is operated in the following two ways. Programming the stop time (⊕ OFF) .... The air conditioner stops operating after the set time has elapsed. Programming the start time (⊕ ON) .... The air conditioner starts operating after the set time has elapsed.
- The start and the stop time can be simultaneously programmed.
- The timer setting is effective only once. When using the TIMER operation every day, the setting is required before each use.

### Setting the timer



#### TIMER MODE ON/OFF

**Press the TIMER MODE ON/OFF button.**

The display flashes.

For setting the timer stop .... "⊕ OFF"

For setting the timer start .... "⊕ ON"

2



## PROGRAMMING TIMER

Press the **PROGRAMMING TIMER** button and set the time for stopping or starting the air conditioner.



When this button is pressed, the time advances by 1 hour.

When this button is pressed, the time goes backward by 1 hour.

- Keep pressing the button to change the setting time continuously.
- The timer can be programmed a maximum of 72 hours.

3



## TIMER RESERVE

Press the **TIMER RESERVE** button.

The timer setting procedure ends.

The display changes from flashing light to a constant light.

- Make sure that the receiving tone of the indoor unit makes a beeping sound. If the receiving tone does not sound, cancel the timer according to the steps below, and then set the timer following steps (1) to (3) above again.

## Cancelling the timer

1



## ON/OFF TIMER

When the **ON/TIMER MODE ON/OFF** button is pressed, the screen display flashes as described below.

For the off timer .... "OFF"

For the on timer .... "ON"

2

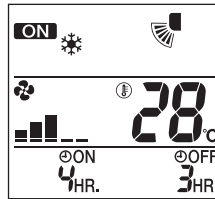


## TIMER CANCEL

When the **TIMER CANCEL** button is pressed, the timer setting that is blinking is cancelled.

- Check that the indoor unit's receiving tone beeps twice. If the receiving tone does not sound, select the timer you want to cancel again, and then cancel it.

## For example.



When the timer is programmed to stop the system after 3 hours and start the air conditioner after 4 hours, the air conditioner will stop after 3 hours and then 1 hour later the air conditioner will start.

## NOTE

- After the timer is programmed, the display shows the remaining time.

## Switching operations on VRV system

In the case of VRV system, the **COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH** may be provided for the outdoor unit (or BS unit) to allow temperature adjustment (cooling and heating) and **FAN OPERATION** to be switched for all indoor units at once. (Refer to **A** on page 11)

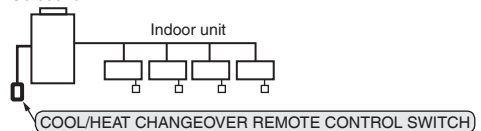
In systems where the **COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH** is not provided, the privilege to activate cool/heat operations for all indoor units can be assigned to a single indoor unit, allowing cooling and heating operations to be managed centrally. (Refer to **B** on page 12)

### A. When the **COOL/HEAT CHANGEOVER**

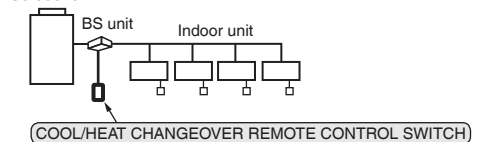
#### **REMOTE CONTROL SWITCH** is provided

Set the **COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH** according to the table below before switching operations using the wireless remote controller.

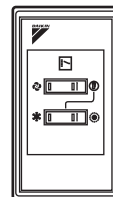
Outdoor unit



Outdoor unit



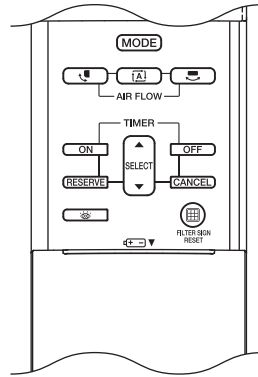
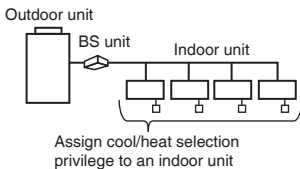
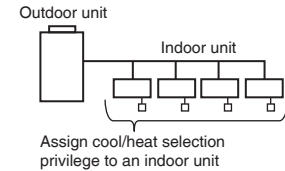
COOL/HEAT CHANGEOVER  
REMOTE CONTROL SWITCH



Operation modes and setting of the COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH		Operation modes that can be switched using the wireless remote controller
Cooling/ Program dry	Upper switch: Ⓜ Lower switch: ❄️	Cooling/ Program dry/ Fan
Heating	Upper switch: Ⓜ Lower switch: ☀️	Heating/ Fan
Fan	Upper switch: 🌀 Lower switch: —	Fan only

\* AUTOMATIC OPERATION is not possible when the COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH is provided.

**B. When the COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH is not provided**  
Using the wireless remote controller, first follow the below procedure to assign the privilege to set cool/heat operations for other units to a indoor unit.



### Designate the master remote controller

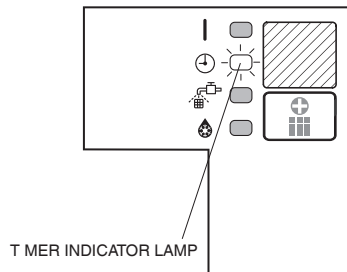


**Press and hold the OPERATION MODE SELECTOR button on the wireless remote controller for about 4 seconds.**  
The TIMER INDICATOR LAMP (Green) on the displays of all the indoor units connected to the same outdoor unit or BS unit will start flashing.



**Point the wireless remote controller at the indoor unit to which cool/heat privilege is to be assigned and press the OPERATION MODE SELECTOR button again.**

Setting is complete when the TIMER INDICATOR LAMP (Green) on the displays of all indoor units you are trying to set stop flashing.



To switch the operation using the wireless remote controller, point it at the indoor unit to which cool/heat selection privilege has been assigned. The operation of the indoor units without cool/heat selection privilege switches in accordance with the operation of the indoor unit assigned with cool/heat selection privilege.

To change the cool/heat selection privilege settings, perform steps **1** to **2** again.

\* If the wireless remote controller is operated while pointed at an indoor unit without cool/heat selection privilege, operation switching cannot be performed and an error tone (long beep) will sound.

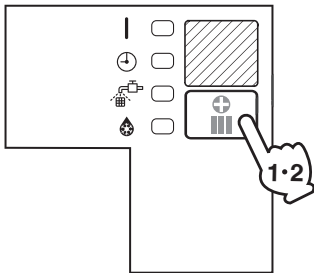
## EMERGENCY OPERATION

When the remote controller does not work due to battery failure or the absence thereof, use the switch on the receiver of the indoor unit. When the remote controller does not work, even if the batteries are replaced, contact your local dealer.

### [START]

#### **1** Press the EMERGENCY OPERATION SWITCH on the receiver.

- The air conditioner operates in the previous mode.
- The air conditioner operates with the previously set fan speed.



Refer to **Fig. 2** on page [1].

### [STOP]

#### **2** Press the EMERGENCY OPERATION SWITCH again.

## PRECAUTIONS FOR GROUP CONTROL SYSTEM OR TWO REMOTE CONTROLLER CONTROL SYSTEM

This system provides two other control systems beside individual control (one remote controller controls one indoor unit) system. Confirm the following if your system is of the following control system type.

### ■ Group control system

- One remote controller controls up to 16 indoor units.
- All indoor units are equally set.

### ■ Two remote controller control system

Two remote controllers (wired and wireless) control one indoor unit. (In case of group control system, one group of indoor units) The air conditioner follows individual operation.

- Cannot have two remote controller control system with only wireless remote controllers. (It will be a two remote controller control system having one wired and one wireless remote controllers.)
- Under two remote controller control system, wireless remote controller cannot control timer operation.
- When set the timer by the wired remote controller, the TIMER INDICATOR LAMP (Green) of the receiver of the indoor unit is not light up.
- If the wired remote controller is used for operation, the display on the wireless remote controller does not change.

### NOTE

- Contact your local dealer in case of changing the combination or setting of group control and two remote controller control systems.
- Please do not change the combination and settings for the group operation and two remote controller control systems by yourself, but be sure to ask your local dealer.

## 8. OPERATION CHARACTERISTICS

Refer to the operation manual attached to the indoor unit.

## 9. OPTIMUM OPERATION

Refer to the operation manual attached to the indoor unit.



## 10. MAINTENANCE (FOR SERVICE PERSONNEL)

Refer to the operation manual attached to the indoor unit.

## 11. NOT MALFUNCTION OF THE AIR CONDITIONER

Refer to the operation manual attached to the indoor unit.

**And the following symptoms do not indicate air conditioner malfunction**

### I. THE AIR CONDITIONER DOES NOT OPERATE

- **The receiving tone of the indoor unit makes a triple beeping sound (normally, “beep-beep”).**  
This is because the air conditioner is under centralized control.
- **After the HEATING OPERATION is started, the DEFROST OPERATION LAMP located on the indoor unit lights up.**  
The indoor fan runs to discharge a gentle wind automatically until the temperature inside the air conditioner reaches a certain level. At this time, the DEFROST OPERATION LAMP on the light receiving unit indicator lights. Leave it as it stands and wait for a while.
- **The system does not restart immediately after the ON/OFF button is pressed.**  
If the OPERATION lamp lights, the system is in normal condition. It does not restart immediately because a safety device operates to prevent overload of the system. After 3 minutes, the system will turn on again automatically.
- **The system does not restart immediately when TEMPERATURE SETTING button is returned to the former position after pushing the button.**  
It does not restart immediately because a safety device operates to prevent overload of the system. After 3 minutes, the system will turn on again automatically.
- **If the defrost lamp on the indoor unit's display is lit when heating is started.**  
This indication is to warn against cold air being blown from the unit.  
There is nothing wrong with the equipment.

- **The outdoor unit stops.**  
Because the room temperature reaches to the set temperature. The indoor unit goes into fan operation.

### II. COOLING AND HEATING OPERATIONS CAN NOT BE SWITCHED

- **The receiving tone of the indoor unit makes a long beeping sound.**  
An unavailable mode was set for the indoor unit under operation changeover control.

### III. THERE IS NO DISPLAY OR ALL PARTS ARE DISPLAYED

- **When a button on the remote controller is pressed.**  
The batteries have run out.

### IV. THE UNIT STOPS ONCE IN A WHILE

- **The remote controller indicates “ㄱ” and “ㄴ”, the unit stops. Within several minutes the unit restarts.**  
Due to electrical noise other than that from the air conditioner, the communication between the units is cut off and the unit stops. When the noise is gone, the unit automatically restarts.

### V. AIRFLOW RATE CANNOT BE OBTAINED AS SET

- **Even if the airflow rate adjusting button is pressed, the airflow rate does not change.**  
When the room temperature reaches the indoor unit set temperature, the outdoor unit stops and the airflow rate of indoor unit drops to the minimum.  
This is to avoid the cold air from getting in contact with the people in the room.

### VI. AIR DISCHARGE DIRECTION IS NOT AS SET

- **The remote controller indication and the air discharge direction is not the same. Air discharge direction swing is impossible.**  
Because it is controlled by microcomputer. Refer to “AIRFLOW DIRECTION ADJUST” on page 9, 10.

### VII. ONLY A PART OF INDICATION SHOWS

- **Even if the unit is operated, only the operation indication shows, or even if the indication shows, soon after, the indication other than that for operation disappears.**  
The corresponding indoor unit is that for multi-system and the remote controller is set to the multi-system.

### VIII. INSUFFICIENT COOLING

- **It is in program dry operation.**

The program dry operation is an operation mode trying to keep the room temperature constant as much as possible. Refer to "COOLING, HEATING, AUTOMATIC, FAN AND PROGRAM DRY OPERATION" on page 6.

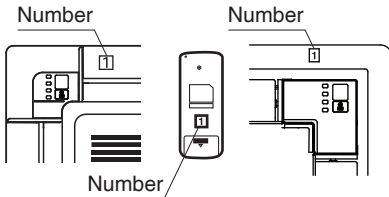
## 12. HOW TO DIAGNOSE TROUBLE SPOTS

### I. IN CASE BESIDES EMERGENCY STOP

#### 1. The air conditioner does not operate at all.

- Check if the receiver is exposed of sunlight or strong light. Keep receiver away from light.
- Check if there are batteries in the remote controller. Place the batteries.
- Check if the indoor unit number and wireless remote controller number are equal.

For example.



Operate the indoor unit with the remote controller of the same number.

Signal transmitted from a remote controller of a different number cannot be accepted. (If the number is not mentioned, it is considered as "1".)

#### 2. The air conditioner operates but it does not sufficiently cool or heat.

- Check if the set temperature is not proper. (Refer to page 9)
- Check if the FAN SPEED is set to LOW SPEED. (Refer to page 9)
- Check if the airflow direction is not proper. (Refer to page 9, 10)

If the problem is not solved after checking the above points, please do not try to repair it yourself. In such cases, always consult your local dealer. At this time, please tell the symptom and model name (written on the manufacturer's label).

Contact your local dealer in the following case.

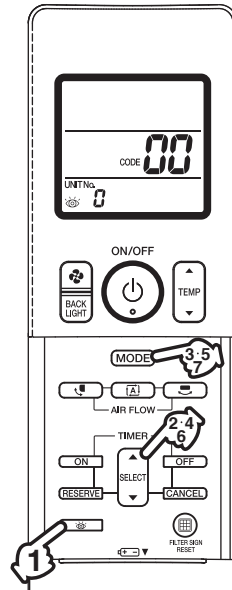
### ⚠ WARNING

**When you detect a burning odor, shut OFF power immediately and contact your local dealer purchase. Using the equipment in anything but proper working condition can result in equipment damage, electric shock and/or a fire.**


### II. EMERGENCY STOP

When the air conditioner stops in emergency, the OPERATING INDICATOR LAMP on the indoor unit starts blinking.

Take the following steps yourself to read the malfunction code that appears on the display. Contact your local dealer with this code. It will help pinpoint the cause of the trouble, speeding up the repair.



**Press the INSPECTION button to select the inspection mode "  ".**

"  " appears on display and blinks.  
"UNIT No." appears.



### Press PROGRAMMING TIMER button and change the unit number.

Press to change the unit number until the indoor unit beeps and perform the following operation according to the number of beeps.

#### Number of beeps

3 short beeps.....Perform all steps from (3) to (6).

1 short beep .....Perform (3) and (6) steps.

1 long beep .....Normal state



### Press OPERATION MODE SELECTOR button.

"" on the left-hand of the malfunction code blinks.




### Press PROGRAMMING TIMER button and change the malfunction code.

Press until the indoor unit beeps twice.



### Press OPERATION MODE SELECTOR button.

"" on the right-hand of the malfunction code blinks.



### Press PROGRAMMING TIMER button and change the malfunction code.

Press until the indoor unit makes a long beep. The malfunction code is fixed when the indoor unit makes a long beep.

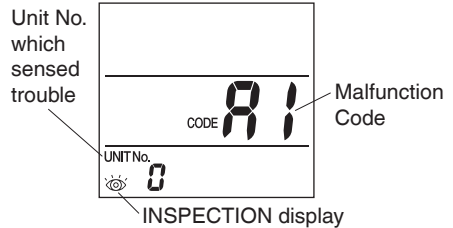


### Reset of the display

Press the OPERATION MODE SELECTOR button to get the display back to the normal state.

### [Trouble]

The OPERATING INDICATOR LAMP of the indoor unit is flashing and the unit does not work at all. (Refer to page 4)



### [Remedial action]

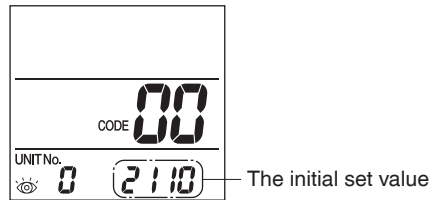
Check the malfunction code on the remote controller and contact your local dealer. (Refer to page 15, 16)

## 13. HOW TO CHECK THE INITIAL SET VALUE

Further question regarding to the available functions, contact your local dealer with your initial setting value confirmed by using the remote controller with the following steps.



Press the INSPECTION button to select the inspection mode ".



Press the  button 2 times to return to normal operation mode.

## For installation

### 1. SAFETY PRECAUTIONS

Please read these "SAFETY PRECAUTIONS" carefully before installing air conditioning equipment and be sure to install it correctly.

This manual classifies the precautions into WARNINGS and CAUTIONS.

Be sure to follow all the precautions below. They are all important for ensuring safety.



**WARNING.....** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



**CAUTION .....** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

After the installation is completed, test the air conditioner and check if the air conditioner operates properly. Give the user adequate instructions concerning the use and cleaning of the indoor unit according to the operation manual. Ask the user to keep this manual in a handy place for future reference.



#### WARNING

- **Make sure to turn off the power supply before starting the installation.**
- **Due to high voltage, do not open control box lid for ten minutes after the safety breaker is switched off.**
- **Do not touch live parts when carrying out this work.**



#### CAUTION

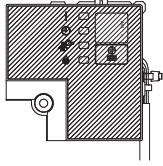
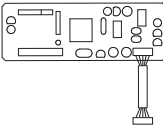



- Refer also to the installation manual attached to the indoor unit and the installation manual attached to the decoration panel.
- Confirm that following conditions are satisfied prior to installation position of this kit into the decoration panel.
  - Ensure that nothing interrupts the operation of the wireless remote controller. (Ensure that there is neither a source of light nor fluorescent lamp near the receiver. Also, ensure that the receiver is not exposed of direct sunlight.)
  - Ensure that the operation indicator lamp and other indicators are easy to see.



- Ensure that the signal from the remote controller can easily be transmitted.
- The wireless remote controller kit is not intended for use in a potentially explosive atmosphere.



### 2. BEFORE INSTALLATION



#### 2-1 ACCESSORIES

Check if the following accessories are attached to this kit.

Name	Receiver										
	(1) Receiver assembly	(2) Transmission printed circuit board assembly									
Quantity	1 set	1 pc.									
Shape											
Name	Wireless remote controller	Screw for installing remote controller holder									
Quantity	1 pc.	2 pcs.									
Shape		 M3.5×16									
Name	Remote controller holder	(3) Unit No. label									
Quantity	1 pc.	1 pc.									
Shape		<table border="1" data-bbox="911 1062 1012 1126"> <tr> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> </tr> </table>	1	2	3	1	2	3	1	2	3
1	2	3									
1	2	3									
1	2	3									

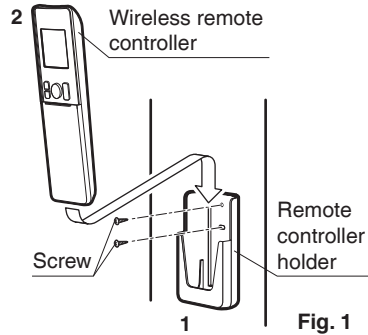
Name	Dry cell battery AAA. LR03 (alkaline)	(4) Clamp
Quantity	2 pcs.	3 pcs.
Shape		

Name	(5) Sealing material	Operation & Installation manual
Quantity	1 pc.	1 pc.
Shape		

Name	(6) Plastic pin	(7) Plastic holder
Quantity	4 pcs.	1 pc.
Shape		

### • Mounting the remote controller holder on a wall

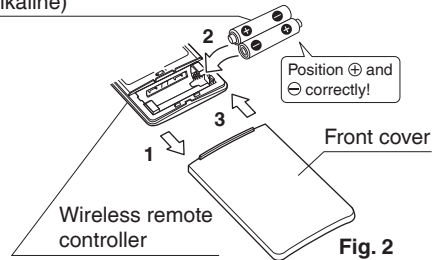
1. Fix the remote controller holder with the screws.
2. Slide the wireless remote controller into the remote controller holder from the top.



### • Loading the batteries

1. Slide the front cover and remove it.
2. Insert the attached dry cell battery AAA. LR03 (alkaline). Properly insert, set the batteries by matching the (+) and (-) polarity marks as indicated.
3. Replace the front cover.

Dry cell battery AAA. LR03 (alkaline)



## 2-2 OPTIONAL ACCESSORIES

For this Wireless Receiver Kit, the wireless remote controller is separately required. Refer to the catalog for the applicable model. (Refer to also the installation manual attached to the wireless remote controller for how to install.)

## 2-3 NOTE TO THE INSTALLER

- Have the customer actually operate the system while looking at the operation manual. Instruct the customer how to operate the system.

## 3. REMOTE CONTROLLER INSTALLATION

### <Installing wireless remote controller>

- Do not throw the remote controller or impose large shocks. Also, do not store where it may be exposed to moisture or direct sunlight.
- When operating, point the transmitting part of the remote controller in the direction of the receiver. (Refer to the operation manual attached to this kit.)
- The maximum transmitting distance is 7 m. This depends on the installation condition of the indoor unit.
- The signal cannot be transmitted if something such as curtains blocks the receiver and the remote controller.

## 4. INITIAL SETTING

Available functions on this remote controllers are differ according to the indoor unit type applied. Refer to the installation manual attached to the Wireless Receiver Kit and conduct initial setting according to the combination of the indoor unit.

### ■ Wireless Receiver Kit For installation

## 1. REMOTE CONTROLLER INITIAL SETTING

Available functions on the remote controllers are differ according to the indoor unit type applied. Refer to the following procedure and conduct initial set according to the combination of the indoor unit.

- 1) The initial setting indication is displayed at the first time of the battery insertion.
- 2) Check the model name of the model nameplate, which is stuck on the indoor unit body. Refer to the following table to find the corresponding 4-digit initial setting value.

Indoor unit type	Indoor unit model name		Initial set value
	VRV system	SPLIT system	
2 x 2 Cassette type	FXZQ*	FFA*	2110**

\*: It will be the alphabet (A, B, C, ...) and the number (1, 2, 3 ....).

\*\* : 2110

- Set no.
- No. 0 = No sensing
- No. 1 = When use with sensor kit model BRYQ60AAW

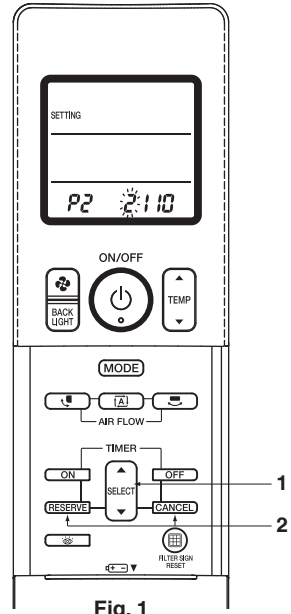





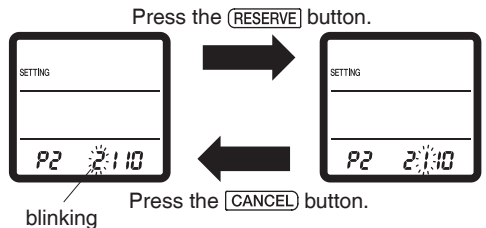
Fig. 1

### 1. Change the set value:

Press the  button to change the blinking digit.

### 2. Determine the set value:

Press the  button to determine the blinking digit and move to the right digit. Press the  button to move to the left digit.



- 3) The initial set value is determined when the digit at the far right is determined. Then become to normal mode display.

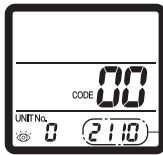
- 4) Once the initial setting is determined, the initial setting indication never displayed by the battery insertion again.  
If the current initial setting needs to be re-set, insert the battery while pressing the



lower button and the (MODE) button. After a few seconds of pressing, the initial setting indication is displayed again.

<How to check the initial set value>

- (1) Press the (TEMP) button to select the inspection mode " ".



The initial set value

- (2) Press the (TEMP) button 2 times to return to normal operation mode.

**2. RECEIVER INSTALLATION**

- (1) **Preparations before installation**  
Remove the suction grille from decoration panel. See the installation manual that came with the main indoor unit for details on removal.

- (2) **Determination of address and MAIN/SUB remote controller.**

- **Address setting:**  
If setting multiple wireless remote controllers to operate in one room, perform address setting for the receiver and the wireless remote controller.

(This includes an individual remote controller control using the group operation.)

(For the wiring for the group operation, please refer to the installation manual attached to the indoor unit and technical guide.)

- **MAIN/SUB setting:**  
If using the wired remote controller together (for 2 remote controller controls), change the MAIN/SUB switch of the receiver.

**SETTING PROCEDURE**

**1. Setting the receiver**

Set the wireless address switch (SS2) on the transmission printed circuit board assembly (2) according to Table 1.

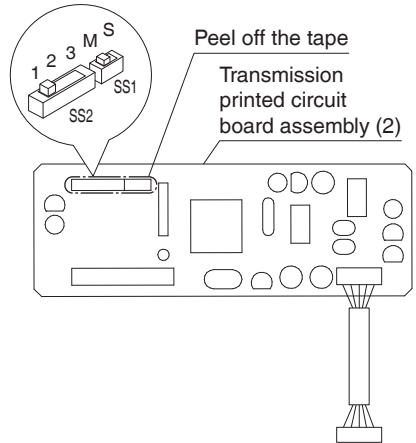
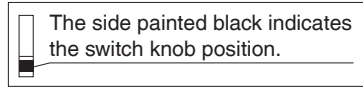


Fig. 2

Table 1

Unit No.	No. 1	No. 2	No. 3
Wireless address switch (SS2)	1 2 3 1 2 3	1 2 3 1 2 3	1 2 3 1 2 3

When using both a wired and a wireless remote controller for 1 indoor unit, the wired controller should be set to MAIN. Therefore, set the MAIN/SUB switch (SS1) of the receiver to SUB. (Refer to Table 2)  
(The wired remote controller will be "MAIN".)

Table 2

	MAIN	SUB
MAIN/SUB switch (SS1)	M S M S	M S M S

## 2. Setting the address of wireless remote controller (It is factory set to "1")

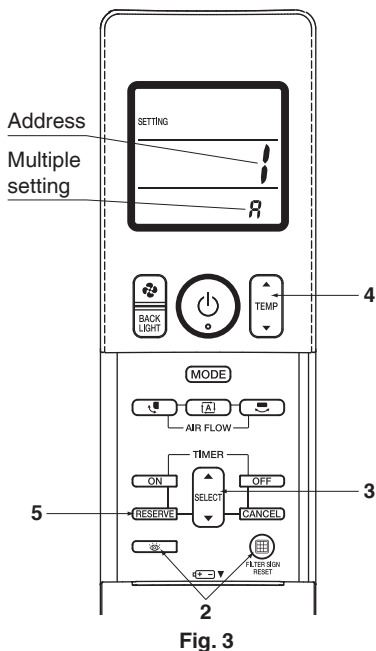
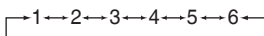


Fig. 3

### <Setting from the remote controller>

1. Open the cover on the display of the wireless remote controller.
2. Press the and buttons at the same time for 4 seconds or more to go into the FIELD SETTING mode. (The liquid crystal display on the remote controller is shown in Fig. 3.)
3. Press the button and select the multiple setting. (A/b setting) (Refer to Table 3) (Each time the button is pressed, the display changes from "A" to "b".)
4. Press the buttons for set the address.



The address can be set from 1 to 6, but set it from 1 to 3 to correspond with the receiving part. (Transmission printed circuit board assembly (2)) (It does not work when it is set from 4 to 6.)

5. When the button is pressed, the setting is confirmed and the usual display returns.

### — Multiple setting A/b —

The command such as operation mode or temperature setting by this remote controller will be rejected when the target indoor unit operation is restricted as by an external control such as centralized control. Since the setting acceptance is hard to discriminate with such circumstances there are two setting options provided to enable discriminating by a beeping sound according to the operation: "A: Standard" or "b: Multi System". (Refer to Table 3)

Set the setting according to the customer's intention.

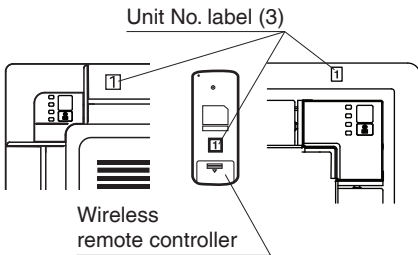
Table 3

Remote Controller		Indoor Unit	
Multiple setting	Display on remote controller	Behavior to the remote controller operation when the functions are restricted as by an external control.	Other than the left
A: Standard (factory set)	All items displayed.	Accepts the functions except restricted. (Sounds one long beep or three short beeps) There may be a difference from the indoor unit status with remote controller display. In the operation mode changeover, temperature setting or the like are carried out from the wireless remote controller, the indoor unit rejects the instruction. (Signal receiving sound "peeh" or "pick-pick-pick") As a result, a display discrepancy between the operation state of the indoor unit and the indication on the wireless remote controller display occurs.	Accepts all items transmitted (Sounds two short beeps) The remote controller display agrees with the indoor unit status.



b: Multi System	Display only items transmitted for a while.	<p><b>&lt;When some restricted functions are included in the transmitted items&gt;</b>  Accepts the functions except restricted. (Sounds one long beep or three short beeps)  There may be a difference from the indoor unit status with remote controller display.</p> <p><b>&lt;When no restricted function is included&gt;</b>  Accepts all items transmitted (Sounds two short beeps)  The remote controller display agrees with the indoor unit status.</p>	Accepts all items transmitted (Sounds two short beeps) The remote controller display agrees with the indoor unit status.
	Operations only remain displayed for a short time after execution of the commands.	Since the indications on the wireless remote controller are turned off, a discrepancy such as described above no longer occurs.	

**3. Attach the included unit No. label (3) onto both air outlet of the decoration panel and onto back of the wireless remote controller.**



**Fig. 4**

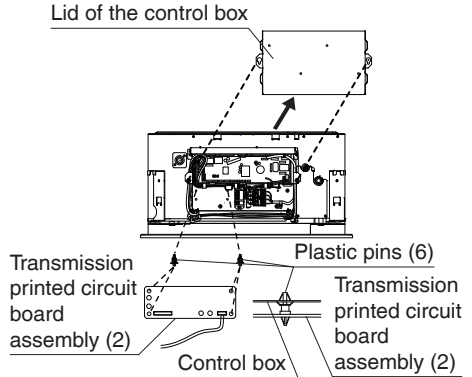
**[PRECAUTIONS]**

Incorrect setting of the MAIN/SUB switch (SS1) makes the defrosting operation lamp at the signal receiver blink, and also stops the remote controller operation.

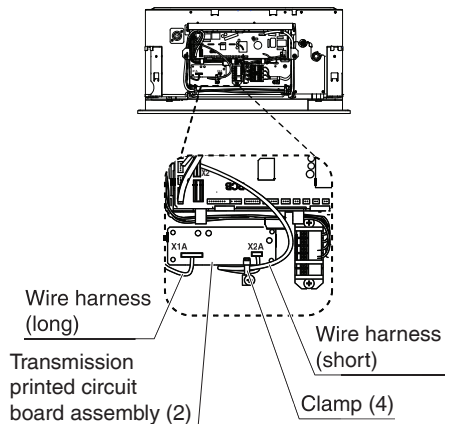
Set the Unit No. of the receiver and the wireless remote controller to be equal. If the settings differs, the signal from the remote controller cannot be transmitted.

**(3) Installation of the transmitter board**

1. Cut off the power supply.
2. Remove the lid of the control box as described in the installation manual supplied with the indoor unit.
3. Attach four plastic pins (6) to the transmission printed circuit board assembly (2) and install it in the control box.



4. Connect the wire harness (short) from the X2A connector on transmission printed circuit board assembly (2) to X24A connector on the printed circuit board in the control box of indoor unit.
5. When the receiver is installed bring the wire harness (long) to the switch box of indoor unit and connect it to X1A connector on the transmission printed circuit board assembly (2).
6. Bind the wire harness (short) to the resin clamp (4).

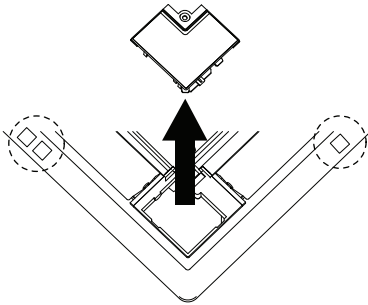


- (4) Installation of the decoration panel**  
Install the decoration panel as described in the Installation Manual supplied with the decoration panel.

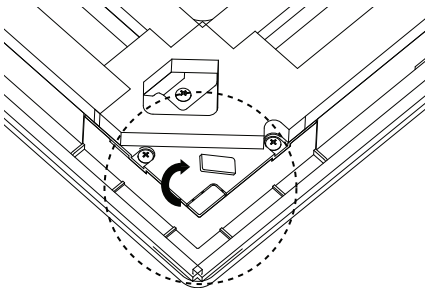
**NOTE** 

- Make sure that the wire harness (longer one) from the transmission is not caught between the indoor unit and the decoration panel, and between the ceiling and the decoration panel. The installation process of the receiver depends on used decoration panel.

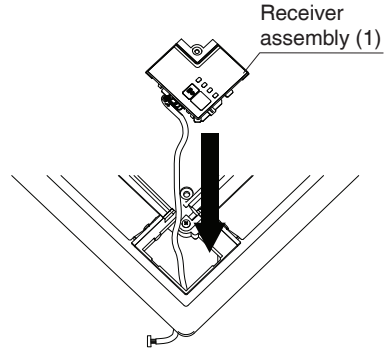
**Installation of the receiver in case of BRC7M530W/531W**



1. Remove the suction grille as described in manual supplied with the decoration panel. The corner where the wireless kit belongs is set by the two square marks. Then remove the plastic corner cover.

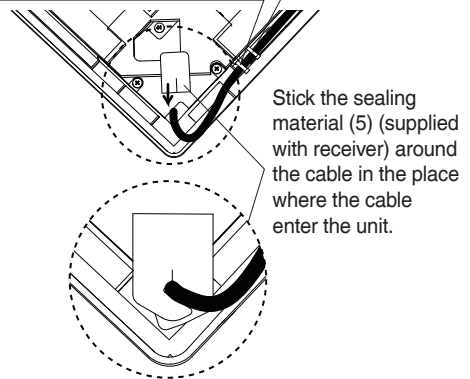


2. Break off the plastic cover from back side of the panel.



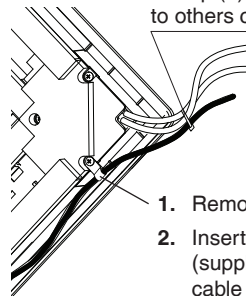
3. Pass the cable through the hole and insert the cover into its position and screw it.

Clamp (4) the cable to the hook next to the positioning tie wrap.



Stick the sealing material (5) (supplied with receiver) around the cable in the place where the cable enter the unit.

Clamp (4) the cable to others cables.



1. Remove the screw
2. Insert the plastic holder (7) (supplied with receiver) the cable should go through the clamp
3. Put the screw back

### 3. FIELD SETTING

If optional accessories are mounted on the indoor unit, the indoor unit setting may have to be changed. Refer to the instruction manual (optional hand book) for each optional accessory.

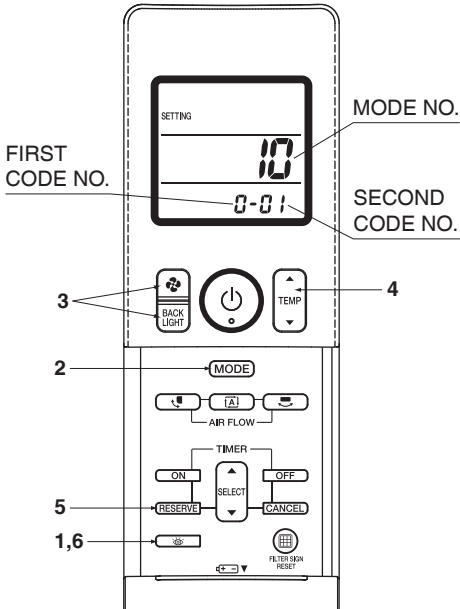


Fig. 5

#### Procedure

1. When in the normal mode, press the button for four seconds or more, and the FIELD SET MODE is entered.
2. Select the desired MODE NO. with the **(MODE)** button.
3. Press the " BACK LIGHT" button and select the FIRST CODE NO.
4. Press the " SELECT" button and select the SECOND CODE NO.
5. Press the **(RESERVE)** button and the present settings are SET.
6. Press the button to return to the NORMAL MODE.

(Example)

If the time to clean air filter is set to "Filter Contamination-Heavy", set Mode No. to "10", First code No. to "01", and Second code No. to "02".

MODE NO.	FIRST CODE NO.	Description of setting	Second code No.*		
			01	02	03
10	0	Filter contamination - Heavy/Light = Setting to define time between 2 filter cleaning display indications. (When contamination is high, setting can be changed to half the time between 2 filter cleaning display indications.)	Long-life filter Light ±2,500 hrs.	Heavy ±1,250 hrs.	-
	3	Setting for display of time between 2 filter cleaning display indications.	Display	Do not display	-
10**	1	ON/OFF input from outside = Setting when forced ON/OFF is to be operated from outside.	Forced OFF	ON/OFF	-
	2	Thermostat differential changeover = Setting when remote sensor is used.	1°C	0.5°C	-
13	0	Setting air outlet velocity. This setting is to be changed in function of ceiling height.	≥2.7m	>2.7≥3.0m	>3.0 ≥3.5m
	1	Selection of airflow direction. This setting is to be changed when blocking pad optional kit is used.	4-way flow	3-way flow	2-way flow
	4	Airflow direction range setting. This setting is to be changed when range of swing flap movement needs to be changed.	Upper	Medium	Lower

\* The settings shown by "" in the table indicate those when shipped from the factory. Do not perform setting that are not listed in the table.




For group control with a wireless remote controller, initial settings for all the indoor units of the group are equal. (Refer to the installation manual attached to the indoor unit for group control.)

\*\* For VRV system.

## 4. TEST OPERATION

- Perform test operation according to the instructions in the installation manual attached to the indoor unit and outdoor unit.
- After completing the refrigerant piping, drain piping, and electrical wiring, perform test operation in accordance with the procedure shown on Table 4 in order to protect the unit. (Refer to the installation manual attached to the outdoor unit for VRV system types.)

Table 4

Order	Operation description
(1)	Completely open the stop valve on gas side.
(2)	Completely open the stop valve on liquid side.
(3)	Turn the power on at least 6 hours before operating the unit.
(4)	Set to the cooling operation using the remote controller, and then start the operation by pressing the ON/OFF button.
(5)	Press the  button 2 times, and let the operation continue for 3 minutes in the test operation mode.
(6)	Press the  button to check the actuation.
(7)	Press the  button 1 time to return to normal operation mode.
(8)	Check the functions in accordance with operation manual.

### [PRECAUTIONS]

- If it does not operate, check the malfunction code according to the instruction in the operation manual attached to the Wireless Remote Controller Kit, and conduct the failure diagnosis referring to <MALFUNCTION CODE LIST> in the installation manual of the indoor unit and outdoor unit.

## NOTE

## NOTE



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