

# WIRED REMOTE CONTROLLER

## Installation and Operation manual



BRC2E61

- Thank you for purchasing this product.
- This manual describes safety precautions required for the use of the product.

**Read this manual carefully and be sure you understand the information before installing and using the product.**

Keep this manual where it is readily accessible after reading it through.

If another user operates the product in the future, be sure to hand over this manual to the new user.

Refer to the installation and operation manuals attached to the indoor and outdoor units, etc.



## ■ 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.

# CONTENTS

<b>1. Safety precautions .....</b>	<b>2</b>
For the installer .....	2
For the user.....	4
<b>2. Accessories .....</b>	<b>5</b>
<b>3. Button locations and descriptions .....</b>	<b>5</b>
<b>4. Names and functions .....</b>	<b>6</b>
4.1 Basic screen.....	6

## For the installer

<b>5. Remote controller installation procedure .....</b>	<b>8</b>
<b>6. Power-on .....</b>	<b>13</b>
<b>7. Field settings .....</b>	<b>14</b>
<b>8. Test operation method (in the case of SPLIT system).....</b>	<b>17</b>
<b>9. Connection diagram.....</b>	<b>19</b>

## For the user



<b>10. Basic operation.....</b>	<b>21</b>
10.1 Cool/Heat/Auto/Fan operation .....	21
10.2 Dry operation.....	24
10.3 Setting the Cool/Heat selection eligibility (VRV only) .....	25
10.4 Program timer operation.....	28
<b>11. Maintenance.....</b>	<b>30</b>
11.1 Cleaning of the remote controller .....	30
<b>12. Reference Information.....</b>	<b>31</b>
12.1 Malfunction (Error) code display.....	31
12.2 After-sales service.....	31

# 1. Safety precautions

- Also refer to the installation and operation manuals attached to the indoor unit.


**Please read these “Safety precautions” carefully before installing and using the remote controller.**

- This product is not intended for use by children or infirm persons without supervision. Children should be supervised to ensure that they do not play with the product.
- This manual classifies the precautions into WARNINGS and CAUTIONS. Be sure to follow all the precautions below: They are all important for ensuring safety.

 <b>WARNING</b>	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 <b>CAUTION</b>	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.

## For the installer

- After completing installation, conduct a test operation to check for faults and explain to the customer how to operate the remote controller and cleaning of it with the aid of the operation manual. Ask the customer to store the installation manual along with the operation manual for future reference.

 <b>WARNING</b>
Ask your local dealer or qualified personnel to carry out installation work. Do not attempt to install the remote controller yourself. Improper installation may result in electric shock or a fire.
Consult your local dealer regarding relocation and reinstallation of the remote controller. Improper installation may result in electric shock or a fire.
Install the remote controller in accordance with the instructions in this installation manual. Improper installation may result in electric shock or a fire.
Be sure to use only the specified accessories and parts for installation work. Failure to use the specified parts may result in the remote controller falling down, electric shock or a fire.
Install the remote controller on a foundation that can withstand its mass. Insufficient strength may result in the remote controller falling down and causing injury.
Make certain that all electrical work is carried out by qualified personnel according to the applicable legislation (Note 1) and this installation manual, using a separate circuit. In addition, even if the wiring is short, make sure to use a wiring that has sufficient length and never connect additional wiring to make the length sufficient. Insufficient capacity of the power supply circuit or improper electrical construction may lead to electric shock or a fire. (Note 1) applicable legislation means “All international, national and local directives, laws, regulations and/or codes which are relevant and applicable for a certain product or domain”.
Turn off the power before performing installation work. Touch with live parts may cause electric shock.

## **WARNING**

Do not disassembly, reconstruct or repair.  
Electric shock or a fire may cause.

Make sure that all wiring is secured, using the specified wirings and ensuring that external forces do not act on the terminal connections or wirings.  
Improper connections or fixing may cause an overheat or a fire.

The choice of materials and installations must comply with the applicable national and international standards.

## **CAUTION**

To avoid electric shock due to entry of water or insects, fill the wiring through hole with putty.

Do not operate with wet hands to avoid electric shock.

Do not wash the remote controller with water.  
It may result in electric shock or a fire.

Install the air conditioner, power supply wiring, remote controller wiring and transmission wiring at least 1 meter away from televisions or radios to prevent image interference or noise.  
(Depending on the radio waves, a distance of 1 meter may not be sufficient to eliminate the noise.)

Do not install the remote controller in the following locations:

1. Where there is oil mist, oil spray or vapour for example a kitchen.  
Resin parts may deteriorate and fall off.
2. Where corrosive gas, such as sulfurous acid gas, is produced.
3. Where there is machinery which emits electromagnetic waves.  
Electromagnetic waves may disturb the control system, and cause a malfunction of the equipment.
4. Where flammable gas may leak, where there is carbon fibre or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled.  
Operating the unit in such conditions may result in a fire.
5. High temperature area or directly flamed point.  
It may cause an overheat or a fire.
6. Moist area, or place where may be exposed to water.  
If water enters inside of the remote controller, electrical components may fail.  
It may result in electric shock or a fire.

When remote controller's thermostat sensor is used, select the installation location considering the followings.

- A place where average temperature in the room can be detected.
- A place where is not exposed to direct sunlight.
- A place where is far apart from heat source.
- A place where is not affected by outdoor air due to door opening/closing or the like.

## For the user

### **WARNING**

Do not install the remote controller by yourself.  
Improper installation may result in electric shock or a fire.  
Consult your local dealer.

Do not modify or repair the remote controller.  
It may result in electric shock or a fire.  
Consult your local dealer.

Do not relocate or reinstall the remote controller by yourself.  
Improper installation may result in electric shock or a fire.  
Consult your local dealer.

Do not use flammable materials such as hairspray or insecticide near the product.  
It may result in electric shock or a fire.

Do not wipe the product with benzine, thinner, chemical dustcloth, etc.  
The product may get discolored or the coating peeled off.  
The use of organic solvents may cause cracking of the product, electric shock or a fire.

### **CAUTION**

Do not allow children to play with the remote controller.  
Accidental operation by children may result in health impairment.

Do not disassemble the product.  
Touching the interior parts may result in electric shock or a fire.  
Consult your local dealer for internal inspections and adjustments.

Do not press the button of the remote controller with a hard, pointed object.  
The remote controller may be damaged.

Do not pull or twist the electric wire of the remote controller.  
It may cause the unit to malfunction.

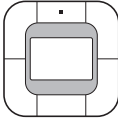



Do not operate with wet hands to avoid electric shock or a fire.

Do not wash the remote controller.  
It may cause electric leakage and result in electric shock or a fire.

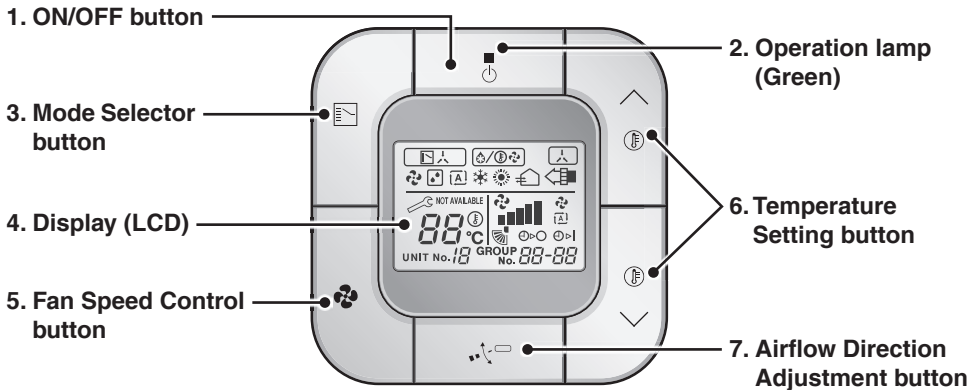
Do not locate the remote controller wherever there is a risk of wetting.  
If water gets into the remote controller there is a risk of electric leakage and damage to electronic components.  
It may result in electric shock or a fire.

## 2. Accessories

The following accessories are included.

Wired remote controller	Wood screw	Small screw	Installation & Operation manual
			
(1 pc.)	(M3.5 × 16) (2 pcs.)	(M4 × 16) (2 pcs.)	(1 pc.)

## 3. Button locations and descriptions



### 1. ON/OFF button

- Press this button and the system will start.
- Press this button again and the system will stop.

### 2. Operation lamp (Green)

- This lamp lights up during operation.
- This lamp blinks if a malfunction occurs.

### 3. Mode Selector button

Press this button to select the operation mode of your preference.

- Available modes vary with the connected model.

### 4. Display (LCD)


Shows the status and detail of operation.


### 5. Fan Speed Control button

Press this button to select the fan speed of your preference.

### 6. Temperature Setting button

Press this button to set the temperature.

 : Each press raises the set temperature by 1°C

 : Each press lowers the set temperature by 1°C

The variable temperature range is 16°C to 32°C.

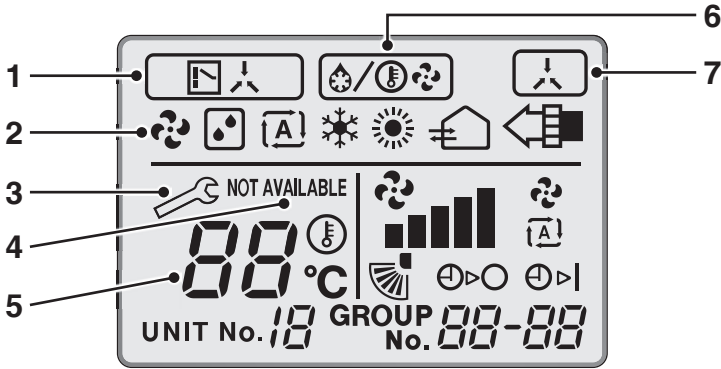
### 7. Airflow Direction Adjustment button

Press this button to adjust the airflow direction (or flap position).

- If swing mode is not available on the model (Duct model for example), "NOT AVAILABLE" may be displayed for 3 seconds when this button is pressed.

# 4. Names and functions



## 4.1 Basic screen



### 1. DISPLAY “” (CHANGEOVER UNDER CONTROL)

It is impossible to changeover Heat/Cool with the remote controller when it shows this display. (As for details, see “SETTING OF MASTER REMOTE CONTROLLER” in the operation manual attached to the indoor unit.)

### 2. DISPLAY “” “” “” “” “” (OPERATION MODE)

This display shows current OPERATION MODE. “” is not available in outdoor units specially designed for cooling only. “” is reserved only for outdoor units capable of heat recovery.

### 3. DISPLAY “” (MALFUNCTION)

Indicates malfunction and blinks if the unit stops operating due to malfunction. (As for details, see “TROUBLE SHOOTING” in the operation manual attached to the indoor unit.)

### 4. DISPLAY “ NOT AVAILABLE ” (NON FUNCTION DISPLAY)

If the particular function is not available, pressing the button may display the words “ NOT AVAILABLE ” for a few seconds. When running multiple units simultaneously, the “ NOT AVAILABLE ” message will only be appear if none of the indoor units is equipped with the function. If even on unit is equipped with the function, the display will not appear.

### 5. DISPLAY “” (SET TEMPERATURE)

This display shows the set temperature. Only given during a Cooling operation or Heating operation.

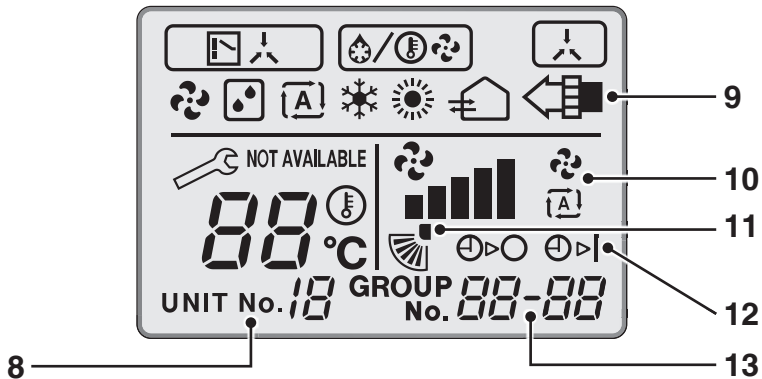
### 6. DISPLAY “” (DEFROST/ HOT START)

Indicates that defrost or hot start (during which the fan is stopped until the temperature of air supply rises enough at the start of a Heating operation) is in progress.

### 7. DISPLAY “” (UNDER CENTRALIZED CONTROL)

When this display shows, the system is UNDER CENTRALIZED CONTROL. (This is not a standard specification)





### 8. DISPLAY “ UNIT No. 18 ” (UNIT NO. MODE)

During field setting (setting per indoor unit during group control function), the display shows the selected unit no.

### 9. DISPLAY “ ” (VENTILATION/ AIR CLEANING)

This display shows that the total heat exchange and the air cleaning unit are in operation. (These are optional accessories).

### 10. DISPLAY “ ” (AIRFLOW RATE [AIRFLOW LEVEL/FAN SPEED])

The display shows the airflow rate [Lv.1, Lv.2, Lv.3, Lv.4, Lv.5 and Auto] that is set for the indoor unit.

The airflow rate will not be displayed if the indoor unit does not have airflow rate control function and the number of available fan speeds may differ depending on the indoor unit specifications.

### 11. DISPLAY “ ” (AIRFLOW DIRECTION)

The display shows when the airflow direction and swing are set. This icon is not displayed if the indoor unit does not have a function to set airflow directions.

### 12. DISPLAY “ ” (TIMER MODE ON/OFF)

The display shows when the timer function of the remote controller is set to ON/OFF.

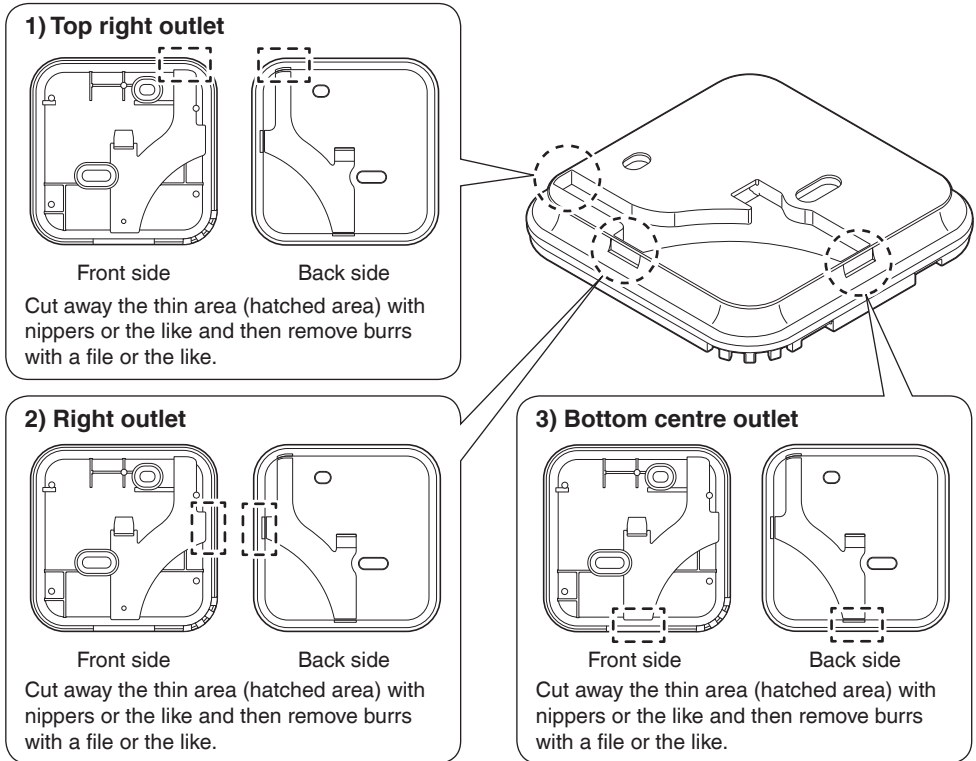
### 13. DISPLAY “ <sup>GROUP</sup> No. 00-00 ” (GROUP NO.)

During field setting, the display shows the mode no. function concerned.

## For the installer

# 5. Remote controller installation procedure

- 1) **Determine where to install the remote controller.**  
Make sure to follow “1. Safety precautions” when determining the location.
- 2) **Determine the direction of controller wiring outlet**  
(Top right outlet, Right outlet, Bottom centre outlet).



### 3) Conduct wiring

#### ⚠ CAUTION

1. Switch box and transmission wiring are not attached.
2. Do not directly touch the PCB (Printed Circuit Board).

#### Wiring specifications

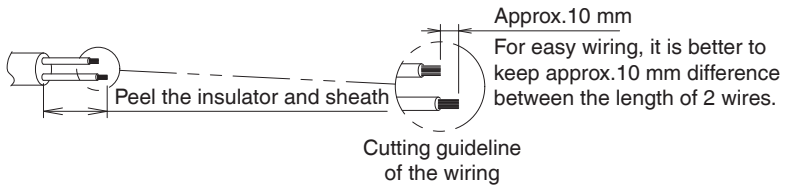
Wiring Type	Sheathed vinyl cord or cable (2 cores) (*1)
Wiring Size	0.75~1.25 mm <sup>2</sup>
Wiring Length	Max. 500 m (*2)

\* 1. Some countries may require a shielded wiring.

Refer to the installation manual attached to the indoor unit.

\* 2. This will be the total extended length in the system when doing group control.

Prepare the wiring for connection to the remote controller following these instructions.

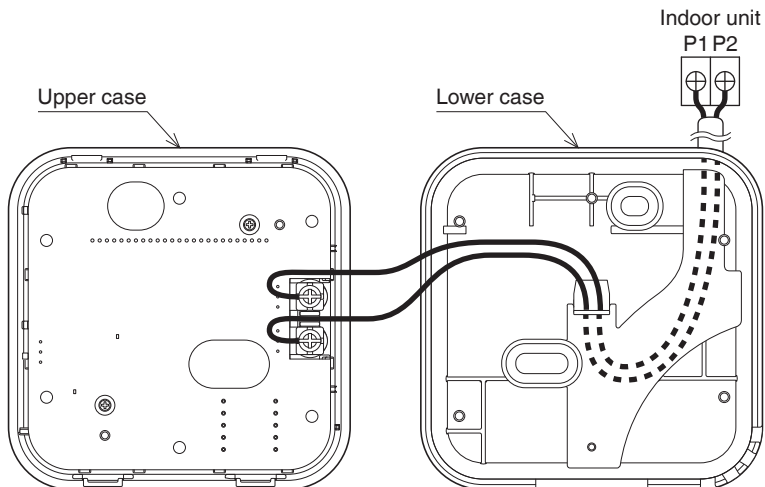


#### Sheath stripping length:

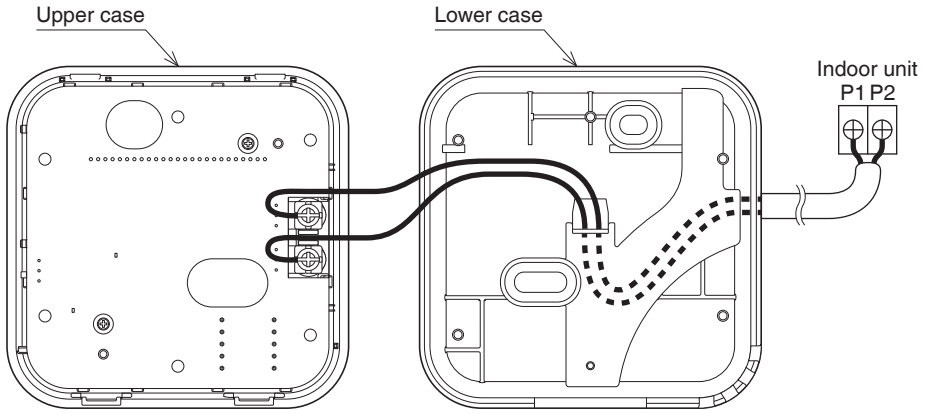
- Approx. 135 mm for top right outlet
- Approx. 125 mm for right outlet
- Approx. 105 mm for bottom centre outlet

Connect the terminals (P/P1, N/P2) of the remote controller to the terminals (P1, P2) of the indoor unit. (P1 and P2 have no polarities.)

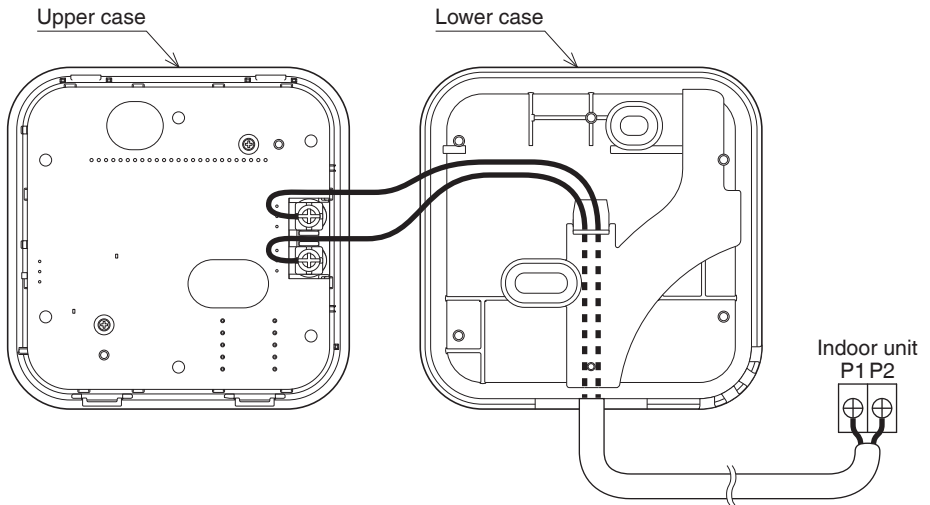
#### ■ Top right outlet



## ■ Right outlet



## ■ Bottom centre outlet



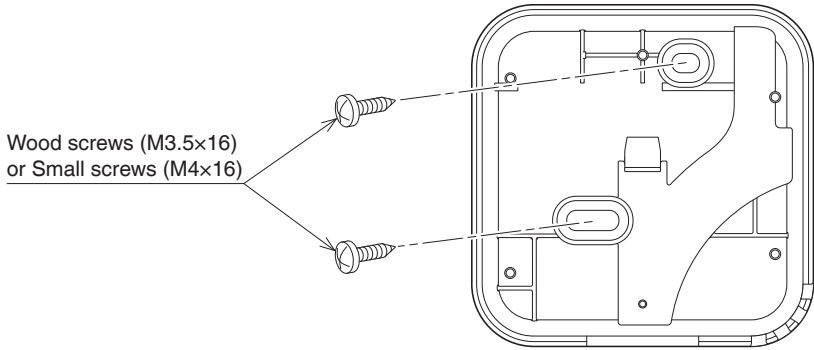
## CAUTION

Perform the wiring at a distance from the power line so as not to receive electrical noise (external noise).

#### 4) Fix the lower case to a wall.

In case of wiring a remote controller through Top right outlet, Right outlet, or Bottom centre outlet, perform wiring through the outlet hole in the lower case before installing on the wall.

Secure by using the attached wood screws (2 pcs.) or small screws (2 pcs.). Fix the top screw hole first, then fix the bottom screw hole.

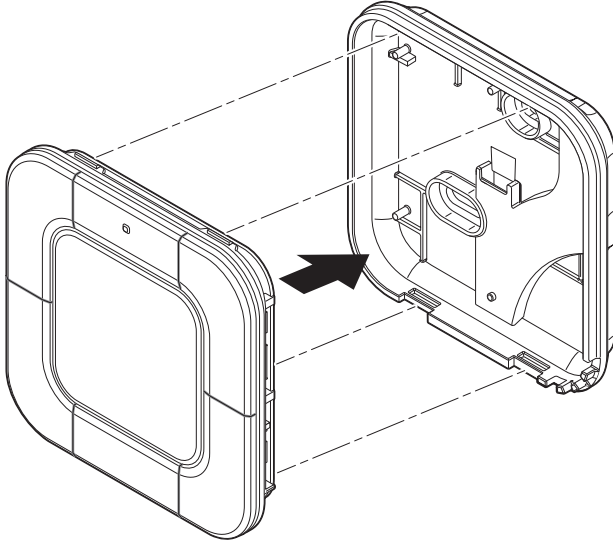


#### CAUTION

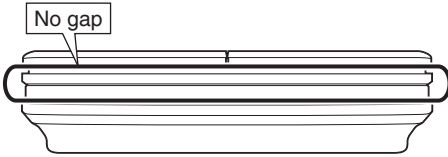
- Select as flat a place as possible for the installation face.
- Do not tighten the installation screws too much so as not to deform the lower case.

## 5) Install the upper case in the original position.

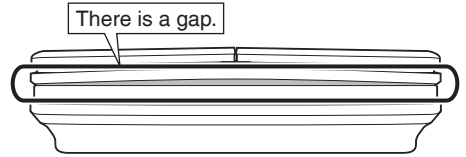
- Align the upper case with the tabs on the lower case (4 points), then insert and install the upper case.



Carefully check that there is no gap between the upper and lower cases when they are closed.



**○ Good**



**✗ Wrong**

If there is a gap, remove the upper case and rearrange wire harness position then reinstall the upper case. (For the removal method of the upper case, see the note.)

- Install the wiring with care to prevent pinching.
- Peel off the protective sheet which is attached to the upper case.

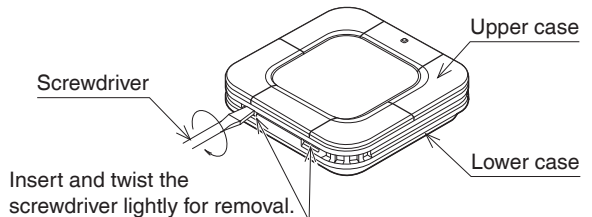
### Note:

#### When removing the upper case

Insert a screwdriver in the recess of lower case to remove the upper case (2 points).

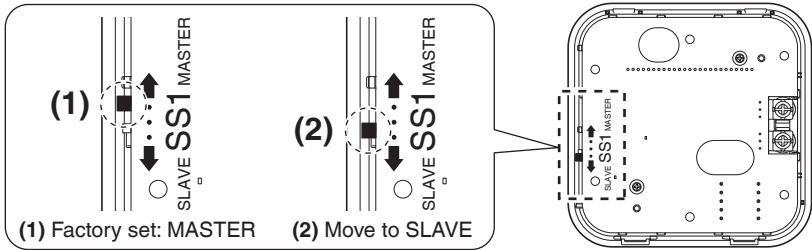
Remote controller PCB is installed on the upper case.  
Take care not to damage the PCB with the screwdriver.

Take care that dust or moisture does not touch the PCB.



# 6. Power-on

- Check for completion of indoor/outdoor units wiring.
- Check for closing of control box lid of indoor and outdoor units before turning on the power.
- When 1 indoor unit is controlled by 2 remote controllers.  
 Be sure to set the sub remote controller by changing the SS1 switch on the side of the PCB from the MASTER to the SLAVE position.
  - ◆ For the connection between the main remote controller and sub remote controller, please refer to Connection diagram **“Group control: main controller + sub controller”** on page 20.

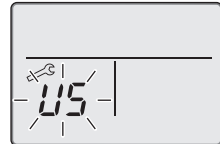
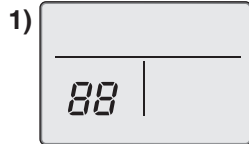


1) “88” is displayed after turning on the power.

The air conditioner will check the connection.

- If errors are detected, the relevant error code blinks on the screen. Please see more details about error codes at <https://www.daikin.co.th/en/service-error-code>. After correcting the error, the basic screen is displayed.
- If sub remote controller is not set when turning on the power in the case of indoor units controlled by 2 remote controllers.
  - ◆ In case the screen display shows “U5”, turn off the power of the remote controller and breaker of air conditioner. Then change the SS1 switch from the MASTER to the SLAVE position as described above, then turn on the power again.  
 If the basic screen is not displayed more than 2 minutes after the sub remote controller is set, turn off the power again and check the wiring.
  - ◆ In case the screen display shows “88” for more than 2 minutes, turn off the power of the remote controller and breaker of air conditioner. Then, please make sure the switch SS1 position of main remote controller is MASTER and the sub remote controller is SLAVE.

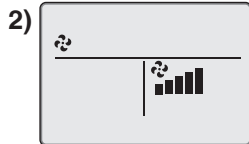
[Main/Sub remote controller]



\* Error code blinks





[Basic screen]

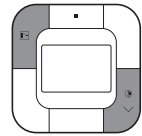
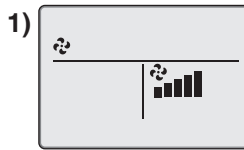


2) When no errors are detected, the basic screen is displayed.


# 7. Field settings

- 1) Press and hold both the Mode Selector button (  ) and the Temperature Setting (down) button (  ) for 4 seconds or longer.

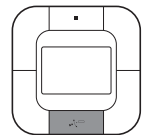
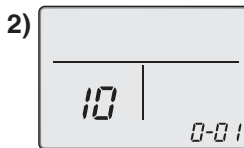
[Basic screen]




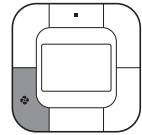
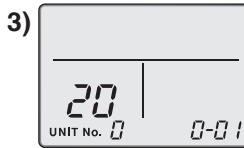
Press and hold 2 buttons for 4 seconds or longer.



- 2) Select the desired "Mode No." by using the Airflow Direction Adjustment button (  ). For commonly used field setting items, refer to the table on page 16.

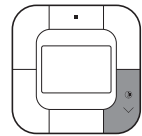
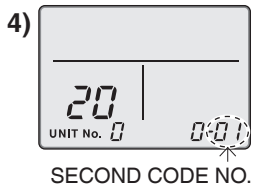
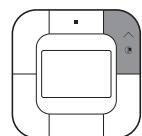
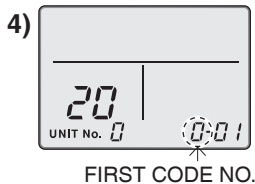
[Field setting mode screen]




- 3) In the case of setting per indoor unit during group control (when a Mode No. such as 20, 21, 22, 23 or 25 is selected), select the "Indoor unit No." to be set by using the Fan Speed Control button (  ). (In the case of group setting, this operation is not needed.)

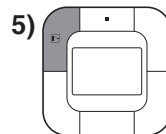


- 4) Select the FIRST CODE NO. to be changed by using the Temperature Setting (up) button (  ) and SECOND CODE NO. to be changed by using the Temperature Setting (down) button (  ). Multiple identical mode number settings are available.





- 5) Press the Mode Selector button (  ). Field setting mode is set.

- 6) In the case of multiple setting changes, repeat 2) to 4).



Field setting mode is set

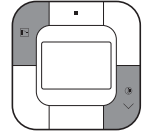
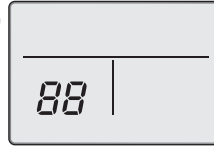


7) After all setting changes are completed, press both the Mode Selector button (  ) and the Temperature Setting (down) button (  ) for 1 second. "88" is displayed during initialization.

8) After the initialization, the basic screen returns.

[Initialization screen]

7)



[Basic screen]

8)



## CAUTION

- When an optional accessory is installed on the indoor unit, settings of the indoor unit may be changed. Refer to the manual of the optional accessory.
- For field setting details of the outdoor unit, refer to the installation manual attached to the outdoor unit.

**[Commonly used field setting items]**

Mode No. Note 1)	FIRST CODE No.	Description of setting			SECOND CODE No.			
					01	02	03	
10(20)	0 Note 3)	Filter Contamination -Heavy/Light (Setting for spacing time of display time to clean air filter) (Setting for when filter contamination is heavy, and spacing time of display time to clean air filter is to be halved)	Ultra-long- life type	Light	Approx. 10,000 Hrs	Heavy	Approx. 5,000 Hrs	-
			Long life Filter		Approx. 2,500 Hrs		Approx. 1,250 Hrs	
			Standard Filter		Approx. 200 Hrs		Approx. 100 Hrs	
	1 Note 3)	Long-life filter type (Setting of filter sign indication time) (Change setting when Ultra-long-life filter is installed)		Long-life filter		Ultra-long- life filter	-	
	2	Thermostat sensor in remote controller		Use		Not use	-	
11(21)	0	Setting number of connected Sky air simultaneous operation System indoor unit (Setting for Simultaneous operation system)		Pair		Twin	-	
12(22)	1	ON/OFF input from outside		Forced OFF		ON/OFF operation	-	
13(23)	0	High Ceiling Setting (Setting for when installed in a Ceiling higher than 2.7m) * Height depends on the connected model. Refer to the installation manual attached to the indoor unit to be connected for details.		≤ 2.7 m*		2.7 m <, ≤ 3.0 m*	3.0 m <, ≤ 3.5 m*	
	1	Selection of Airflow Direction (Setting for when a blocking pad kit has been installed)		4-way flow		3-way flow	2-way flow	
	3	Airflow Direction Adjustment Function (To be set when decoration panel for air outlet installed)		Equipped		No Equipped	-	
	4	Airflow Direction Range Setting		Upper		Normal	Lower	
	6	Setting the External Static pressure (Setting according to the connected duct resistance) (For FHYK, follow the high Ceiling Setting)		Normal		High static pressure	Low static pressure	
15(25)	1	Humidifying with thermostat OFF		No Equipped		Equipped	-	
	3	Drain pump operation with humidifying		No Equipped		Equipped	-	

**Note:**

- 1) In case there is a need to perform any setting not listed in the table above, please refer to the installation manual of each indoor unit.
- 2) Some functions will be not displayed if the indoor unit is not equipped with that function.
- 3) This mode is used to set the time until the display time to clean air filter lights up when using a central remote controller.

## 8. Test operation method (in the case of SPLIT system)

- In the case of VRV system, refer to the manual attached to the outdoor unit.

**Also refer to the installation manuals attached to the indoor unit and the outdoor unit.**


- Check that wiring work of the indoor unit and the outdoor unit is completed.
- Check that control box lid of the indoor unit and the outer panel and piping cover of the outdoor unit are closed.
- After refrigerant piping, drain piping and electric wiring are completed, clean the inside of the indoor unit and decoration panel.
- Perform the test operation according to following procedure.





- 1) To protect the compressor, turn on the power to the outdoor unit at least 6 hours prior to test operation.
- 2) Confirm that stop valves of both liquid side and gas side are opened.

### CAUTION

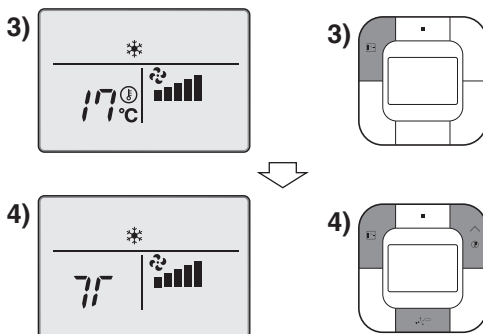
Make sure that outer panel and piping cover are closed before operation (danger of electric shock).

- After air purge by vacuum pump, refrigerant pressure may not rise even though the stop valve is opened. The reason is that refrigerant system of the outdoor unit is blocked by electric expansion valve or the like. Operation is no problem.

- 3) Press the Mode Selector button (  ) to select Cool mode.

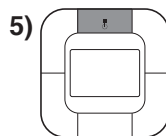
- 4) Press and hold 3 buttons --the Mode Selector button (  ), the Airflow Direction Adjustment button (  ), and the Temperature Setting (up) button (  )-- for 4 seconds or longer to enter Test operation.  
“  ” is displayed on the basic screen.




### [Basic screen]






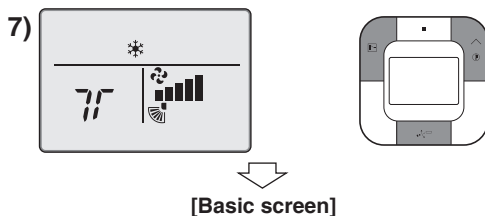
Press and hold  
3 buttons for  
4 seconds or longer.

- 5) Check the operation status of the remote controller by checking if the green lamp on the ON/OFF button lights up or not.
- If the remote controller is ON (Green lamp lights up), continue to step 6).
  - If the remote controller is OFF (Green lamp doesn't light up), press the ON/OFF button within 10 seconds after “77” is displayed on the basic screen.



- 6) Check the operation of the buttons by pressing the following buttons
- Press the Airflow Direction Adjustment button (  ) for setting airflow.
  - Press the Mode Selector button (  ) for setting operation mode.
  - Press the Fan Speed Control button (  ) for setting fan speed.

- 7) Press and hold 3 buttons --the Mode Selector button (  ), the Airflow Direction Adjustment button (  ), and the Temperature Setting (up) button (  ).  
The basic screen returns and normal operation is conducted.



### Note:

Test operation will automatically finish in 30 minutes.

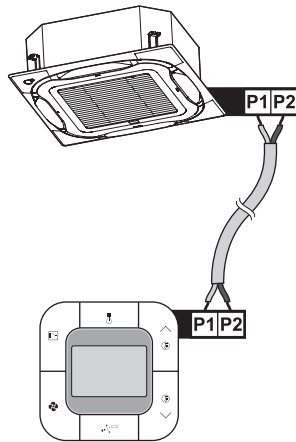
- 8) Check the functions according to “10. Basic operation”.
- 9) When the decoration panel is not installed, turn off the power after the test operation finishes.

### ⚠ CAUTION

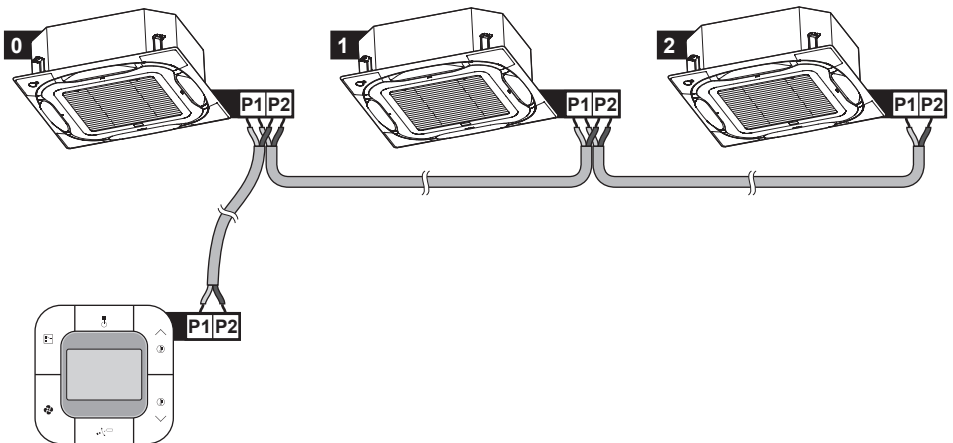
- If the interior finish work is not completed when the test operation is finished, for protection of the air conditioner ask the customer not to operate the air conditioner until the interior finish work is completed.  
If the air conditioner is operated, the inside of the indoor units may be polluted by substances generated from the coating and adhesives used for the interior finish work and cause water splash and leakage.

# 9. Connection diagram

## ■ Typical layout



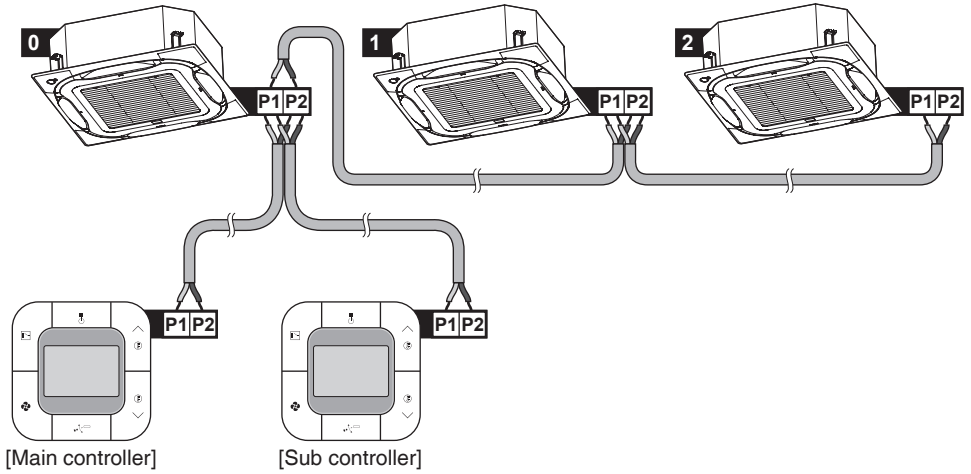
## ■ Typical layout for group control



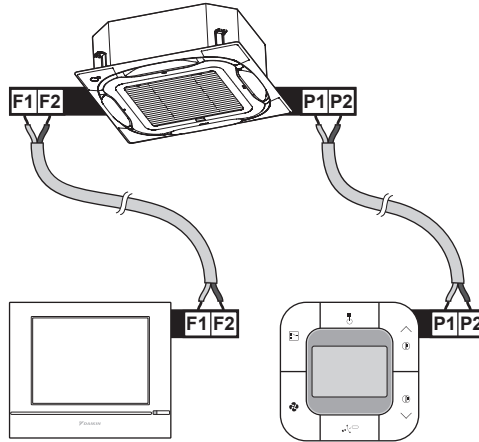
### **Note:**

- To enable the rotation function, group control is required.
- When using group control, every unit is automatically assigned an address (i.e. Unit Number). In case the rotation function is enabled, this number determined the rotation order. For instructions on how to change the Unit Number, contact your local dealer.

## ■ Group control: main controller + sub controller



## ■ Controller + DIII central control equipment



### Note:

If the controller is used together with DIII central control equipment, then...

- ... the schedule timer function can be restricted.
- ... do not enable setback mode.

## For the user

# 10. Basic operation

## 10.1 Cool/Heat/Auto/Fan operation

### Preparation


- For mechanical protection purpose, turn on the power to the air conditioner at least 6 hours before starting the operation.

### Operation



1



Basic screen


- Press the Mode Selector button (  ) several times until the desired mode (Cool, Heat, Fan or Auto) is selected.
  - ◆ Unavailable operation modes are not displayed.
  - ◆ Only the Cool or Fan mode can be selected if the air conditioner is a cooling only model.

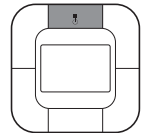
#### Note:

- The Cooling or Heating mode cannot be selected if the icon “  ” (Changeover Under Control) is displayed on the remote controller.  
Refer to page 25 if the icon “  ” blinks.

2





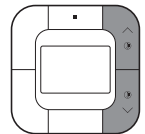
- Press ON/OFF button (  ).  
The operation lamp (green) will be lit and the system will start operating.



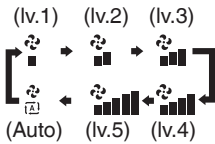
3




- The set temperature will increase by 1°C when “  ” button is pressed and decrease by 1°C when “  ” button is pressed.
  - ◆ No temperature settings are possible while operating in Fan mode.

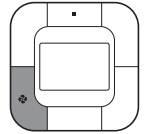


# 4

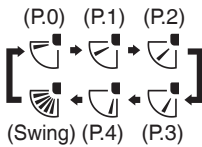


## [Airflow rate (Airflow level/Fan speed) setting]

- To select the fan speed level, press the Fan Speed Control button (  ).
- ◆ For equipment protection purpose, the indoor unit may control airflow rate automatically.
- ◆ According to the room temperature, the indoor unit may control airflow rate automatically. The fan may stop operating, which, however, is not a failure.
- ◆ It may take time until a change of the airflow rate is completed.
- ◆ In Auto setting, the airflow rate is adjusted automatically according to set temperature and room temperature. In Fan mode, the airflow rate setting is always at Lv.5.





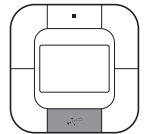
# 5



\* "P." means "Position"


## [Airflow Direction Setting]

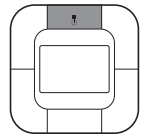
- To select the airflow direction, press the Airflow Direction Adjustment button (  ) repeatedly.
- With Direction selected, set the desired airflow direction to Position 0, Position 1, Position 2, Position 3, Position 4, or Swing by using the Airflow Direction Adjustment button (  ).



# 6



- When the ON/OFF button (  ) is pressed again, the air conditioner will stop operating and the operation lamp will turn off.
- ◆ When the air conditioner is stopped while in the Heating operation, the fan will continue to operate for approximately 1 minute to remove residual heat from the indoor unit.



### Note:

- To prevent water leakage or system failure, do not turn off the power immediately. Wait at least 5 minutes for the drain pump to finish draining residual water from the indoor unit.



## Characteristic of Cooling operation (in Cool/Auto mode)

- When operating continuously at horizontally or downward airflow direction, air blows in the automatically set direction for a period of time to prevent condensation on the horizontal flap.  
(The remote controller displays the airflow direction that is set.)
- If the Cooling operation is used when the room temperature is low, frost forms on the heat exchanger of the indoor unit.  
This can decrease the cooling capacity. In this case, the air conditioner automatically switches to the Defrost operation for a while.  
During the Defrost operation, the low airflow rate or a gentle wind is used to prevent the discharge of melt water.  
(The remote controller displays the airflow rate that is set.)
- When the outdoor air temperature is high, it takes some time until the room temperature reaches the set temperature.


## Characteristic of Heating operation (in Heat/Auto mode)

### Starting operation


- Heating operation generally requires a longer time to reach the set temperature compared with Cooling operation.  
It is recommended to start operating in advance by utilizing the timer.

### The air conditioner automatically controls the following operation to prevent the reduction of heating capacity and space comfort.

#### Defrost operation (Frost removal operation for the outdoor unit)

- The air conditioner will automatically go into Defrost operation to prevent frost accumulation at the outdoor unit and loss of heating capacity.
- The indoor unit fan will stop, and “” (Defrost/Hot start) will be displayed on the remote controller.
- The air conditioner will return to normal operation after approximately 6 to 8 minutes (Max 10 minutes).

#### Hot start

- When the air conditioner goes into Heating operation or Defrost operation, the indoor unit fan will stop in order to prevent a cold draft.  
(In that case, “” (Defrost/Hot start) will be displayed on the remote controller.)

#### Regarding outdoor air temperature and heating capacity

- The heating capacity will drop with a decrease in outdoor air temperature. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.  
(When a combustion appliance is used, ventilate the room regularly.)  
Do not use the combustion appliance in places where the combustion appliance is exposed to the wind from the air conditioner.
- This air conditioner is a hot air circulation type to warm the whole room. Therefore, it takes some time for the room to become warm after the system starts operating.  
When the room 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 airflow rate and airflow direction that are set.)
- If the hot air stays around the ceiling and your feet feel cold, the use of a circulator is recommended.  
For details, consult your local dealer.

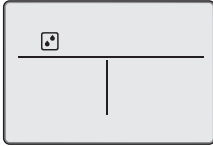
## 10.2 Dry operation


### Preparation

- For mechanical protection purpose, turn on the power to the air conditioner at least 6 hours before starting the operation.
- Dry mode may not be selected, if the remote controller has no eligibility to select Cooling/Heating mode (Refer to page 26 for details).

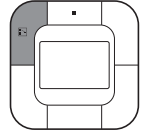
### Operation

1




- Press the Mode Selector button (  ) several times until Dry mode is selected.

- ◆ Dry mode may not be available depending on the type of indoor unit.

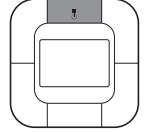


2




- Press ON/OFF button (  ). The operation lamp (green) will be lit and the air conditioner will start operating.

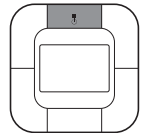
- ◆ The air conditioner controls temperature and airflow rate automatically. Therefore, the temperature or airflow rate settings are not available while the air conditioner is in operation.



3



- When ON/OFF button (  ) is pressed again, the air conditioner will stop operating and the operation lamp will be turned off.



#### Note:

- To prevent water leakage or system failure, do not turn off the power immediately. Wait at least 5 minutes for the drain pump to finish draining residual water from the indoor unit.



## 10.3 Setting the Cool/Heat selection eligibility (VRV only)

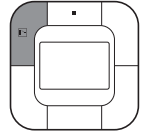
Refer to “Cool/Heat selection eligibility” on page 26 for an explanation of the Cool/Heat selection eligibility.


### Setting Changes


1



- Press the Mode Selector button (  ) on the remote controller that has Cool/Heat selection eligibility for at least 4 seconds. A remote controller will not display “  ” (Changeover Under Control) if a Cool/Heat selection eligibility is granted to the remote controller.




- The icon “  ” on each remote controller of indoor units connected to the same outdoor unit or BS unit will start blinking.

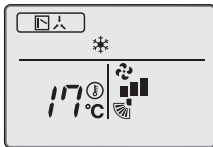
- ◆ Vent mode setting changes are possible regardless of the Cool/Heat selection eligibility.
- ◆ If a Cool/Heat selection eligibility is set in the “Cool/Heat selector” ( ★ ), all the remote controllers will display the icon “  ”. In this case, no Cool/Heat selection eligibility can be set in the remote controllers.
  - ★ Refer to the operation manual attached to the outdoor unit for the details of the “Cool/Heat selector”.




- Set a Cool/Heat selection eligibility as follows.

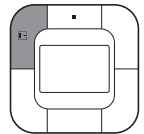
### Selection Settings

The icon “  ” (Changeover Under Control) will blink on all remote controllers when the power is turned on for the first time.

2





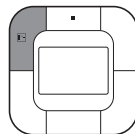
- Press the Mode Selector button (  ) on the remote controller for which the selection eligibility to be set. Then the Cool/Heat selection eligibility will be set and the icon “  ” will disappear. The icon “  ” will appear on the other remote controllers.



# 3




- Press the Mode Selector button (  ) on the remote controller that has the Cool/Heat selection eligibility (the remote controller without the icon "  ") several times until the desired mode is selected. The display will change to "Fan", "Dry", "Auto", "Cool", "Heat" each time the button is pressed.
- The display "Auto" will appear for the Heat Recovery system only. Simultaneously, the other remote controllers will follow suit and change the display automatically.




## Cool/Heat selection eligibility

- The "Cool", "Heat", "Auto" can be set by only the remote controller that has the Cool/Heat selection eligibility. (The display "Auto" will appear for the Heat Recovery System only.)

1.


The remote controller with the selection eligibility (Icon "  ") (Changeover Under Control) is not displayed

Set to "Cool", "Heat", "Dry", "Auto" mode.


Other remote controllers (Icon "  ") (Changeover Under Control) is displayed

- The system will go into the mode set in the remote controller with the selection eligibility. Other modes are not available.
- However, the system can be switched to "Fan" mode. In case of "Cool" or "Dry" mode, the system can be switched to "Dry" mode from "Cool" mode and to vice-versa.

2.

The remote controller with the selection eligibility (Icon "  ") (Changeover Under Control) is not displayed

Set to "Fan" mode.

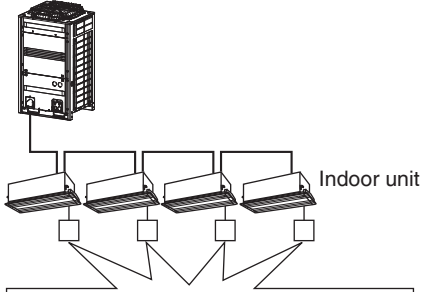
Other remote controllers (Icon "  ") (Changeover Under Control) is displayed

- The system cannot be set to other modes except fan mode.

## Precautions for Setting Cool/Heat selection eligibility

- The Cool/Heat selection eligibility needs to be set for a single remote controller in the following case.

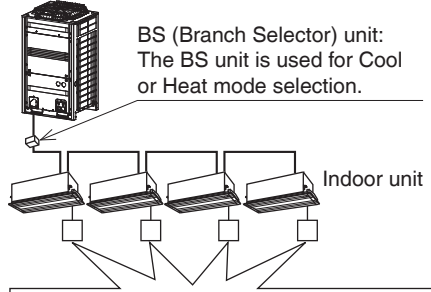
### (Heat Pump System)



**A number of indoor units are connected to a single outdoor unit.**

Set the Cool/Heat/Fan mode selection eligibility in one of the remote controllers.

### (Heat Recovery System)



BS (Branch Selector) unit:  
The BS unit is used for Cool  
or Heat mode selection.

**A number of indoor units are connected to a single BS unit.**

Set the Cool/Heat/Auto/Fan mode selection eligibility in one of the remote controllers.

# 10.4 Program timer operation


Operate in the following order.

- The timer is operated in the following two ways.  
Programming the stop time (⊕▷○)  
.... The air conditioner stops operating after the set time has elapsed.  
Programming the start time (⊕▷|)  
.... 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.


## OFF Timer mode setting

---

**1**




- Press both the Fan Speed Control button (🌀) and the Temperature Setting (down) button (⏴) simultaneously to enter OFF timer mode setting. The display blinks "⊕▷○".

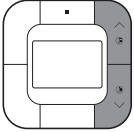


---

**2**




- Press the Temperature Setting (up/down) button (⏴ / ⏵) and set the time for stopping the air conditioner.  
⏴ : When this button is pressed, the timer advances by 1 hour.  
⏵ : When this button is pressed, the timer goes backward by 1 hour.
- ◆ If set the time is "0", it means that the timer stopping setting was cancelled.

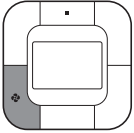


---

**3**



- After selecting the time to stop the air conditioner, press the Fan Speed Control button (🌀) to set it. The timer setting procedure ends and the display "⊕▷○" changes from a flashing light to a constant light.






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## ON Timer mode setting

1






- Press both the Fan Speed Control button (  ) and Temperature Setting (up) button (  ) simultaneously to enter timer mode setting. The display “  ” blinks.




2

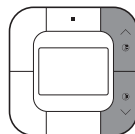


- Press the Temperature Setting (up/down) button (  /  ) and set the time for starting the air conditioner.

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



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

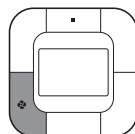
- ◆ If set the time is “0”, it means that the timer starting setting was cancelled.



3



- After selecting the time to start the air conditioner, press the Fan Speed Control button (  ) to set it. The timer setting procedure ends and the “  ” on the display changes from a flashing light to a constant light.



### Note:

- When setting the timer OFF and ON at the same time, repeat the above procedure (from 1 to 3) once again.
- After the timer is programmed, the display shows the remaining time.
- For example



When the timer is programmed to stop the air conditioner 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.

- Timer setting cannot be carried out if this remote controller has been set as a sub remote controller [slave].

# 11. Maintenance

## 11.1 Cleaning of the remote controller

- Wipe the surface part of the remote controller with a dry cloth when it becomes dirty.
- If the dirt on the surface cannot be removed, soak the cloth in neutral detergent diluted with water, squeeze the cloth tightly, and clean the surface. Wipe the surface with a dry cloth then.

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**Note:**

- Do not use any paint thinner, organic solvent, or strong acid.

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 **WARNING**

- Do not use flammable materials (e.g., hairspray or insecticide) near the air conditioner.  
Do not clean remote controller with organic solvents such as benzene or paint thinner.  
The use of organic solvents may cause crack damage to the product, electric shock or a fire.

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 **CAUTION**

- Do not wash the remote controller.  
Doing so may cause electric leakage and result in electric shock or a fire.
  - Be sure to stop the operation of the air conditioner and turn off the power at the time of maintenance.  
Failure to do so may result in electric shock or injury.
-



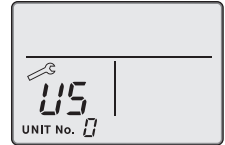
# 12. Reference Information

## 12.1 Malfunction (Error) code display

In case of malfunction, the error code will be displayed on the screen. Please contact your local dealer and inform them of the error code for repair.

### WARNING

- When the air conditioner is malfunctioning (e.g., giving off a burning odor), stop the air conditioner and turn off the power. Continued operation under such circumstances may result in failure, electric shock or a fire. Contact your local dealer.



## 12.2 After-sales service

### WARNING

- Do not disassemble, modify, or repair the remote controller. It may cause electric shock or a fire. Consult your local dealer.
- Do not relocate or reinstall the remote controller by yourself. Improper installation may cause electric shock or a fire. Consult your local dealer.

### ■ Advise the Repairer of the Following Items

- Model name
- Date of installation
- Failure conditions: As precise as possible.
- Your address, name, and telephone number

### ■ Relocation

The relocation of the remote controller requires special technology. Consult your local dealer. Actual expenses required for the relocation of the remote controller will be charged.

### ■ Inquiry about After-sales service

Contact your local dealer.

# MEMO



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