

2.5 BRC4C65 / BRC4C66 (for FXMQ-P)

2.5.1 Features

BRC4C65 (for Heat Pump)

BRC4C66 (for Cooling Only)



Signal receiver unit

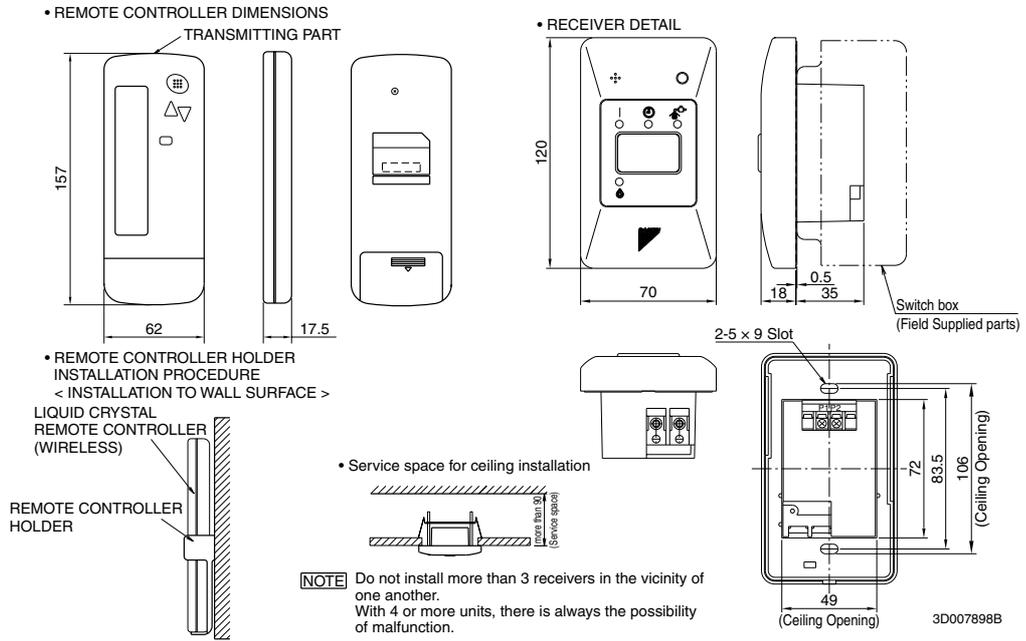
- The same operation modes and settings as with wired remote controllers are possible.
- A compact and light signal receiver unit to be mounted into a wall or ceiling is included.
- This unit supports the three-speed airflow rate control (HH / H / L).

2.5.2 Function

Model	BRC4C65/66
ON/OFF	Possible
Temp. setting	Possible
Air flow rate setting	Possible
Air flow direction setting	Possible
Timer setting	Possible
Mode setting	Possible
Filter sign reset	Possible
Inspection/Test operation	Possible

(No support for swing mode)

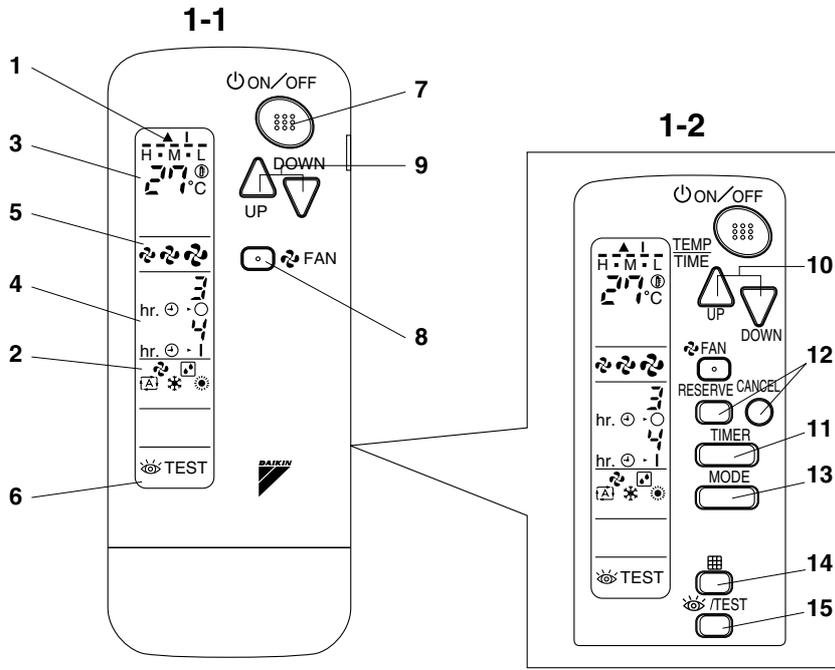
2.5.3 Dimensions



2
2.5 BRC4C65 / BRC4C66

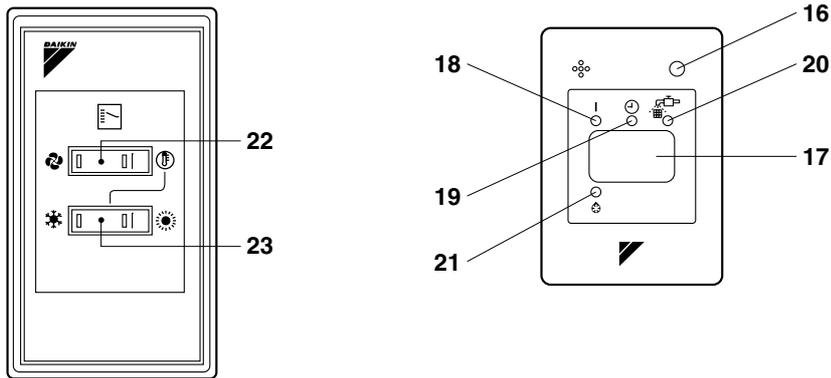
2.5.4 Operation Manual

■ Names and Functions of the Operating Section



1

COOL/HEAT CHANGEOVER
REMOTE CONTROL SWITCH



1-3

2

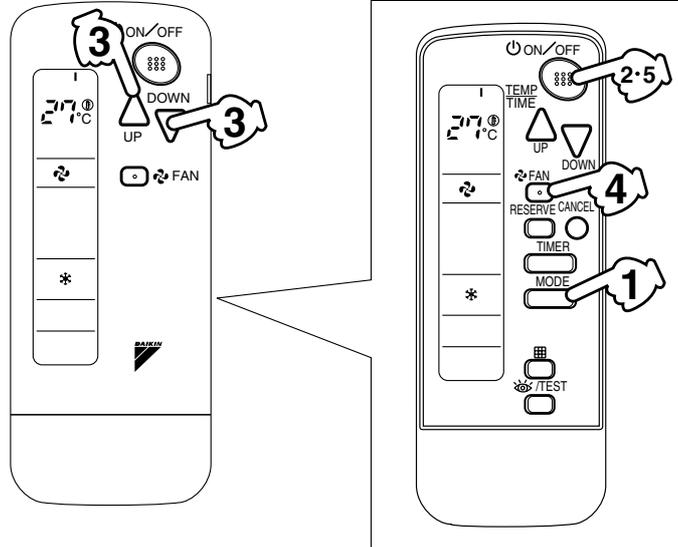
See Fig. 1, 2

1	DISPLAY “▲” (SIGNAL TRANSMISSION) This lights up when a signal is being transmitted.
2	DISPLAY “ ” “ ” “ ” “ ” “ ” (OPERATION MODE) This display shows the current OPERATION MODE. For straight cooling type, “ ” (Auto) and “ ” (Heating) are not installed.
3	DISPLAY “ ” (SET TEMPERATURE) This display shows the set temperature.
4	DISPLAY “ ” (PROGRAMMED TIME) This display shows PROGRAMMED TIME of the system start or stop.
5	DISPLAY “ ” “ ” “ ” (FAN SPEED) The display shows the set fan speed.
6	DISPLAY “ ” TEST ” (INSPECTION/ TEST OPERATION) When the INSPECTION/TEST OPERATION BUTTON is pressed, the display shows the system mode is in.
7	ON/OFF BUTTON Press the button and the system will start. Press the button again and the system will stop.
8	FAN SPEED CONTROL BUTTON Press this button to select the fan speed, HH or H or L, of your choice.
9	TEMPERATURE SETTING BUTTON Use this button for SETTING TEMPERATURE (Operates with the front cover of the remote controller closed.)
10	PROGRAMMING TIMER BUTTON Use this button for programming “START and/or STOP” time. (Operates with the front cover of the remote controller opened.)
11	TIMER MODE START/STOP BUTTON Refer to page 97.
12	TIMER RESERVE/CANCEL BUTTON Refer to page 97.
13	OPERATION MODE SELECTOR BUTTON Press this button to select OPERATION MODE.
14	FILTER SIGN RESET BUTTON Refer to the section of MAINTENANCE in the operation manual attached to the indoor unit.
15	INSPECTION/TEST OPERATION BUTTON This button is used only by qualified service persons for maintenance purposes.
16	EMERGENCY OPERATION SWITCH This switch is readily used if the remote controller does not work.
17	RECEIVER This receives the signals from the remote controller.
18	OPERATING INDICATOR LAMP (Red) This lamp stays lit while the air conditioner runs. It flashes when the unit is in trouble.
19	TIMER INDICATOR LAMP (Green) This lamp stays lit while the timer is set.

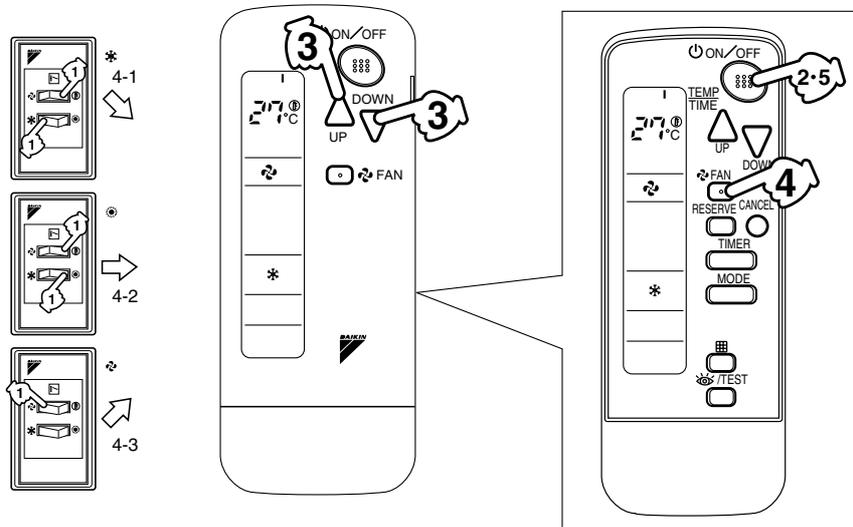
20	AIR FILTER CLEANING TIME INDICATOR LAMP (Red) Lights up when it is time to clean the air filter.
21	DEFROST LAMP (Orange) Lights up when the defrosting operation has started. (For straight cooling type this lamp does not turn on.)
22	FAN/AIR CONDITIONING SELECTOR SWITCH Set the switch to "  " (FAN) for FAN and "  " (A/C) for HEAT or COOL.
23	COOL/HEAT CHANGEOVER SWITCH Set the switch to "  " (COOL) for COOL and "  " (HEAT) for HEAT.

NOTE 

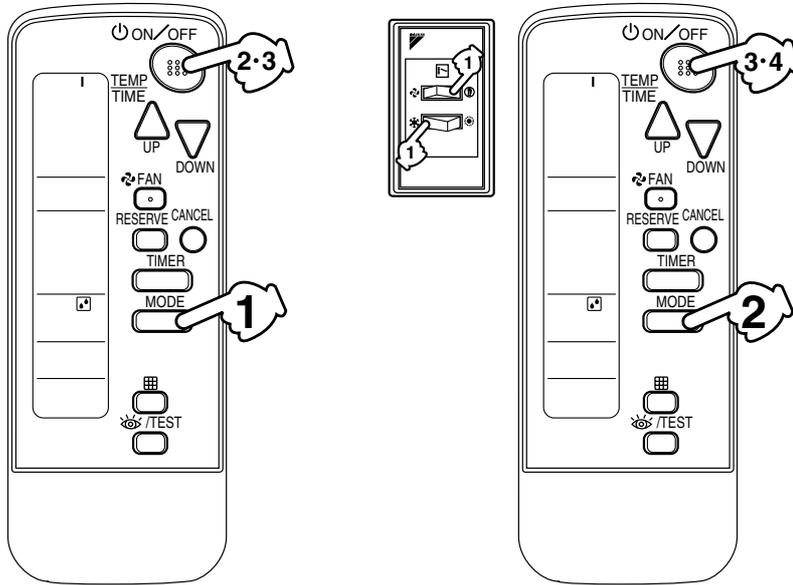
- For the sake of explanation, all indications are shown on the display in Figure 1 contrary to actual running situations.
- Fig. 1-2 shows the remote controller with the front cover opened.
- Fig. 1-3 shows this remote controller can be used in conjunction with the one provided with the VRV system.
- If the air filter cleaning time indicator lamp lights up, clean the air filter as explained in the operation manual provided with 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.



3

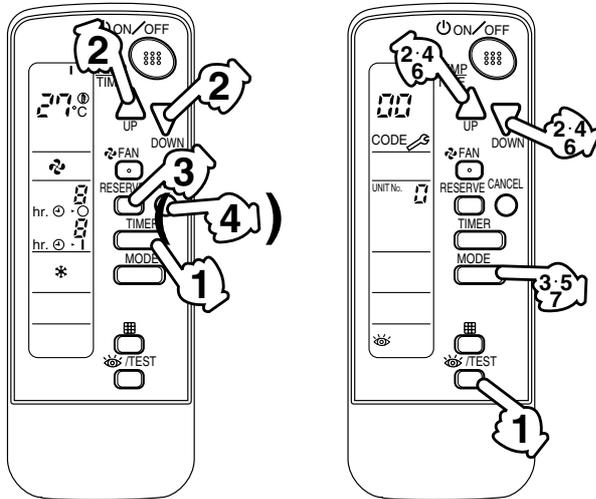


4



5

6



7

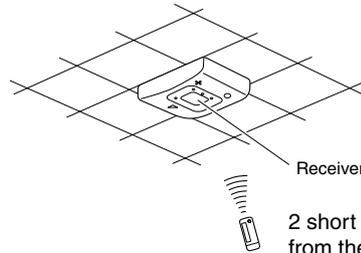
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■ Handling for Wireless Remote Controller

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.



2 short beeps from the receiver indicates that the transmission is properly done.

Transmitting distance is approximately 7m.

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 the salesman before buying new fluorescent lights.
- If the remote controller operated some other electrical apparatus, move that machine away or consult your dealer.

Placing the remote controller in the remote controller holder

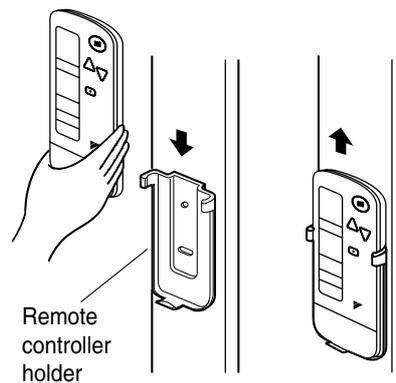
Install the remote controller holder to a wall or a pillar with the attached screw. (Make sure it transmits.)

Placing the remote controller

Slide from above

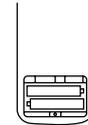
Removing the remote controller

Pull it upward



How to put the dry batteries

1. Remove the back cover of the remote controller to the direction pointed by the arrow mark.
2. Put the batteries
Use two LR03<IEC> dry cell batteries. Put dry batteries correctly to fit their (+) and (-).
3. Close the cover

**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 remove 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 DAIKIN dealer.

■ Operation Procedure

- Operating procedure varies with heat pump type and straight cooling only type. Contact your Daikin dealer to confirm your system types.
- To protect the unit, turn on the main power switch 6 hours before operation.
- If the main power supply is turned off during operation, operation will restart automatically after the power turns back on again.

COOLING, HEATING, AUTOMATIC AND FAN OPERATION (Fig. 3, 4)

- AUTOMATIC OPERATION can be selected only by Heat recovery system.
- Cooling only system gives selection of FAN or COOLING OPERATION only.

《《FOR SYSTEMS WITHOUT COOL/HEAT CHANGEVER REMOTE CONTROL SWITCH (Fig. 3)》》

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

- COOLING OPERATION..... “❄️”
- HEATING OPERATION..... “☀️”
- AUTOMATIC OPERATION “Ⓐ”
- FAN OPERATION “🌀”

On AUTOMATIC OPERATION

In this operation mode, COOL/HEAT changeover is automatically conducted at a present indoor temperature.

 Press **ON/OFF** button.

OPERATION lamp lights up and the system starts OPERATION.

《《FOR SYSTEMS WITH COOL/HEAT CHANGEVER REMOTE CONTROL SWITCH (Fig. 4)》》

 Select **OPERATION MODE** with the **COOL/HEAT CHANGEVER REMOTE CONTROL SWITCH** as follows.

- COOLING OPERATION..... Refer to fig. 4-1 (❄️, ❄️)
- HEATING OPERATION..... Refer to fig. 4-2 (☀️, ☀️)
- FAN OPERATION Refer to fig. 4-3 (🌀)

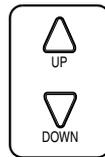
 Press ON/OFF button.

OPERATION lamp lights up and the system starts OPERATION.

ADJUSTMENT

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

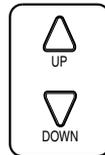
 Press TEMPERATURE SETTING button and program the setting temperature.



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

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

In case of automatic operation



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 setting is impossible for fan operation.

 Press FAN SPEED CONTROL button.

HH, H or L fan speed can be selected.

STOPPING THE SYSTEM

 Press ON/OFF button once again.

OPERATION lamp goes off, and the system stops OPERATION.

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.

[EXPLANATION OF HEATING OPERATION]

DEFROST OPERATION

- As the frost on the coil of an outdoor unit increases, heating effect decreases and the system goes into DEFROST OPERATION.
- The fan operation stops and the DEFROST lamp of the indoor unit goes on.
After 6 to 8 minutes (maximum 10 minutes) of DEFROST OPERATION, the system returns to HEATING OPERATION.

Heating capacity & Outdoor air temperature

- Heating capacity drops as outdoor air temperature lowers. If feeling cold, use another heater at the same time as this air conditioner.
- Hot air is circulated to warm the room. It will take some time from when the air conditioner is first started until the entire room becomes warm. The internal fan automatically turns at low speed until the air conditioner reaches a certain temperature on the inside. In this situation, all you can do is wait.
- If hot air accumulates on the ceiling and feet are left feeling cold, it is recommended to use a circulator. For details, contact the place of purchase.

PROGRAM DRY OPERATION (Fig. 5, 6)

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

《FOR SYSTEMS WITHOUT COOL/HEAT CHANGEVER REMOTE CONTROL SWITCH (Fig. 5)》

 Press OPERATION MODE SELECTOR button several times and select “

 Press ON/OFF button.

OPERATION lamp lights up and system starts OPERATION.

ADJUSTMENT**STOPPING THE SYSTEM**

 Press ON/OFF button again.

OPERATION lamp goes off and the system stops OPERATION.

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 CHANGEVER REMOTE CONTROL SWITCH (Fig. 6)》

 Select COOLING OPERATION MODE with the COOL/HEAT CHANGEVER REMOTE CONTROL SWITCH.

 Press OPERATION MODE SELECTOR button several times and select PROGRAM DRY “

 Press ON/OFF button.

OPERATION lamp lights up and the system starts.

STOPPING THE SYSTEM

 Press ON/OFF button once again.

OPERATION lamp goes off, and the system stops OPERATION.

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.

MOVEMENT OF THE AIR FLOW FLAP

For the following conditions, micro computer controls the air flow direction so it may be different from the display.

Operation mode	Cooling	Heating
Operation conditions	■ When room temperature is lower than the set temperature	■ When room temperature is higher than the set temperature
	■ At defrost operation	
	■ When operating continuously at horizontal air flow direction	

Operation mode includes automatic operation.

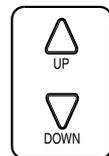
PROGRAM TIMER OPERATION (Fig. 7)

- The timer is operated in the following two ways.
 - Programming the stop time (⏸ ▶ ○)
 -The system stops operating after the set time has elapsed.
 - Programming the start time (⏸ ▶ |)
 - The system starts operating after the set time has elapsed.
- The timer can be programmed a maximum of 72 hours.
- The start and the stop time can be simultaneously programmed.

1 Press the **TIMER MODE START/STOP** button several times and select the mode on the display.

The display flashes.
 For setting the timer stop “⏸ ▶ ○”
 For setting the timer start “⏸ ▶ |”

2 Press the **PROGRAMMING TIMER** button and set the time for stopping or starting the system.



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

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

3 Press **RESERVE** button.

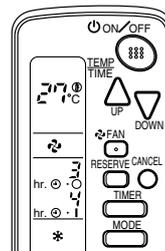
The timer setting procedure ends.
 The display changes from flashing light to a constant light.

NOTE

- When setting the timer Off and On at the same time, repeat the above procedure from 1 to 3 once again.

For example

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



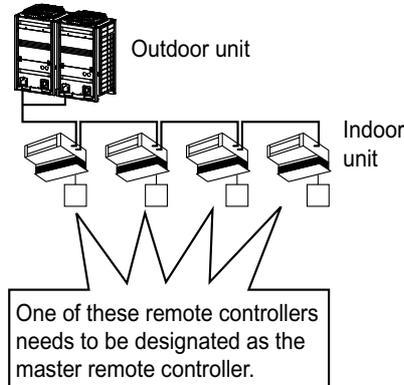
- After the timer is programmed, the display shows the remaining time.
- Press the **TIMER OFF** button to cancel programming. The display vanishes. (⏸)

HOW TO SET MASTER REMOTE CONTROLLER (For VRV system)

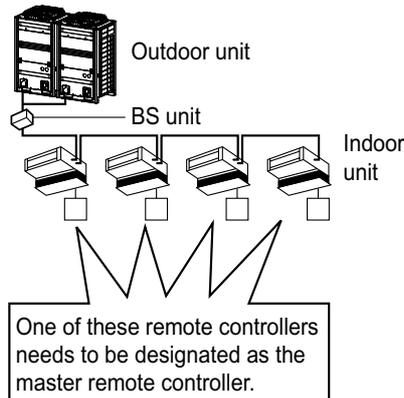
- When the system is installed as shown below, it is necessary to designate the master remote controller.

«(For Heat pump system)»

When one outdoor unit is connected with several indoor units.

**«(For Heat recovery system)»**

When one BS unit is connected with several indoor units.



- Only the master remote controller can select HEATING, COOLING or AUTOMATIC (only Heat recovery system) OPERATION.

When the indoor unit with master remote controller is set to "COOL", you can switch over operation mode between "FAN", "DRY" and "COOL".

When the indoor unit with master remote controller is set to "HEAT", you can switch over operation mode between "FAN" and "HEAT".

When the indoor unit with master remote controller is set to "FAN", you cannot switch operation mode.

When attempting settings than that consented above, a "peep" is emitted as a warning.

Only with Heat recovery system, you can set the indoor unit to AUTOMATIC. Attempting to do so, a "peep" will be emitted as a warning.

How to designate the master remote controller

Continuously press the OPERATION MODE SELECTOR button for 4 seconds.

The displays showing "⬇" of all slave indoor unit connected to the same outdoor unit or BS unit flash.



Press the OPERATION MODE SELECTOR button to the indoor unit that you wish to designate as the master remote controller. Then designation is completed. This indoor unit is designated as the master remote controller and the display showing "⬇" vanishes.

- To change settings, repeat steps 1 and 2.

EMERGENCY OPERATION

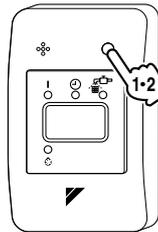
When the remote controller does not work due to battery failure or the absence thereof, use this switch which is located beside the discharge grille on the main unit. When the remote controller does not work, but the battery low indicator on it is not lit, contact your dealer.

[START]

Press the **EMERGENCY OPERATION** switch.

The machine runs in the previous mode.

The system operates with the previously set air flow direction, and airflow rate.

**[STOP]**

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 unit 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 control one indoor unit. (In case of group control system, one group of indoor units.)

The unit follows individual operation.

NOTE

- Cannot have two remote controllers 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.
- Only the operating indicator lamp out of 3 other lamps on the indoor unit display functions.
- Contact your Daikin dealer in case of changing the combination or setting of group control and two remote controller control systems.

■ Not Malfunction of the Air Conditioner

The following symptoms do not indicate air conditioner malfunction

I. THE SYSTEM DOES NOT OPERATE

■ 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 reception beep is rapidly repeated 3 times (It sounds only twice when operating normally.)

Control is set to the optional controller for centralized control.

■ 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.

■ How to Diagnose Trouble Spots

See Fig. 8

I. EMERGENCY STOP

When the air conditioner stops in emergency, the run lamp on the indoor unit starts blinking. Take the following steps yourself to read the malfunction code that appears on the display. Contact your dealer with this code. It will help pinpoint the cause of the trouble, speeding up the repair.

 **1** Press the INSPECTION/TEST button to select the inspection mode “”.

“” appears on display and blinks. “UNIT” lights up.

 **2** 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  to 

1 short beep Perform  and  steps

1 long beep Normal state

 **3** Press OPERATION MODE SELECTOR BUTTON.

“” on the left-hand of the malfunction code blinks.

 **4** Press PROGRAMMING TIMER BUTTON and change the malfunction code.

Press until the indoor unit beeps twice.

 **5** Press OPERATION MODE SELECTOR BUTTON.

“” on the right-hand of the malfunction code blinks.

 **6** 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.

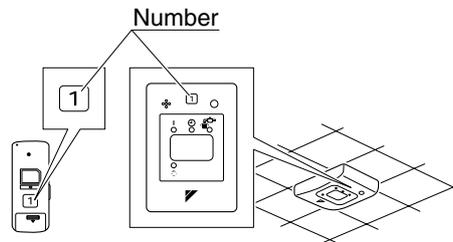
 **7** Reset of the display.

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

II. IN CASE BESIDES EMERGENCY STOP

1. The unit 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.



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 system operates but it does not sufficiently cool or heat.

- If the set temperature is not proper.
- If the FAN SPEED is set to L SPEED.
- If the air flow angle is not proper.

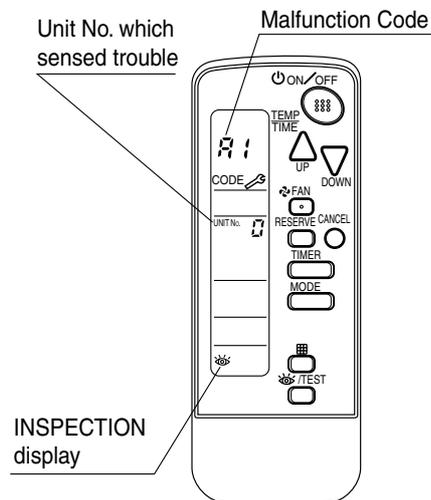
Contact the place of purchase in the following case.

WARNING

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

[Trouble]

The RUN lamp of the indoor unit is flashing and the unit does not work at all.



[Remedial action]

Check the malfunction code (A1 ~ UF) on the remote control and contact the place of purchase. (See page 100.)

2.5.5 Installation

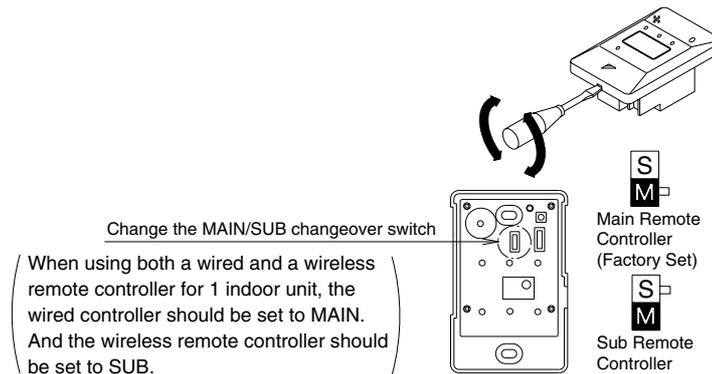
Caution

- Do not install more than 3 receivers in the vicinity of one another.
- With 4 or more units, there is always the possibility of malfunction.

■ Remove the Upper Part of Receiver

- Insert the screwdriver here and gently work off the upper part of the receiver.

■ Initial Setting



NOTES

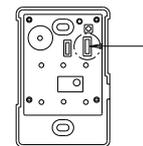
- If controlling with one remote controller, be sure to set it to "MAIN"
- Set the remote controller before turning power supply on.

■ Address Setting

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

Setting the receiver (It is factory set to "1")
Referring to the table below, set the wireless address switch (SS2) on the PC board.

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



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

<Setting from the remote controller>

- ① Hold down the button and the button for at least 4 seconds to get the Field Set mode. (indicated in the display area in the figure at right).
- ② Press the button and select a multiple setting (A/b). Each time the button is pressed the display switches between "A" and "b".
- ③ Press the " UP" button and " DOWN" button to set the button to set the address. Address can be set from 1 to 6, but set it to 1-3 and to same address as the receiver. (The receiver does not work with address 4-6.)
- ④ Press the button to enter the setting.
- ⑤ Hold down the button for at least 1 second to quit the Field Set mode and return to the normal display.

PRECAUTIONS

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.

SAFETY CONSIDERATIONS

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

After completing the installation, make sure at start up operation that the unit operates properly. Please instruct the customer how to operate the unit and keep maintenance.



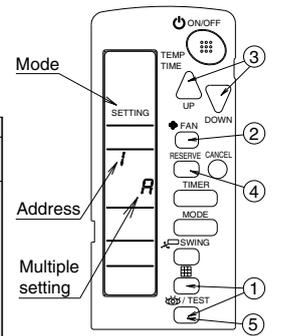
CAUTION

- Confirm that following conditions are satisfied prior to installation.
 - 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 sun light.)
 - Ensure that the operation display lamp and other indicators are easy to see.

(Multiple setting A/b)

When the indoor unit is being operating by outside control (central remote controller, etc.), it sometimes does not respond to ON/OFF and temperature setting commands from this remote controller. Check what setting the customer wants and make the multiple setting as shown below.

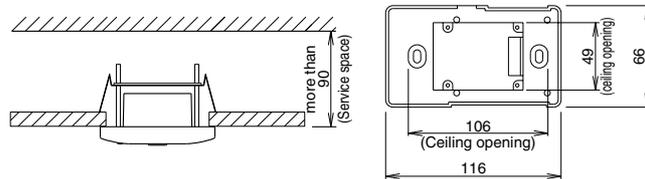
Remote controller		Indoor unit	
Multiple setting	Remote controller display	To control other air conditions and units	For other than on left
A: Standard	All items displayed.	Commands other than ON/OFF and temperature setting accepted. (1 LONG BEEP or 3 SHORT BEEPS emitted)	
b: Multi System	Operations remain displayed shortly after execution.	All commands accepted (2 SHORT BEEPS)	



■ For Ceiling Installation

(1) Prepare the Ceiling for the Receiver

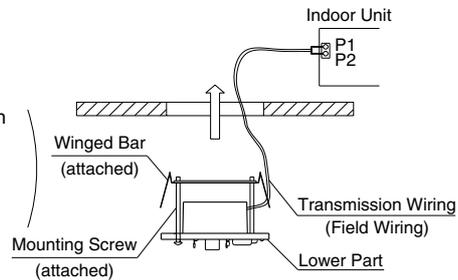
Open a hole in the ceiling for the receiver. (Use the provided ceiling installation pattern.)



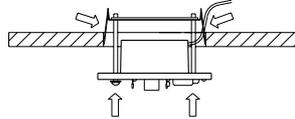
(2) Wire the Indoor Unit and Fix the Lower Part

- Install the winged bar to the lower part and fit the part with the attached screws, Then, wire (field supplied) accordingly.

(Connect the P1 and P2 terminals on the rear of the lower part to the P1 and P2 terminals on the indoor unit. The P1 and P2 terminals have no polarity.)

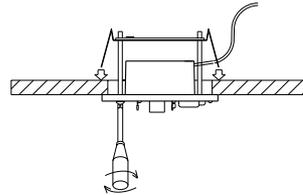


- Insert the lower part into the opening in the ceiling, first by pressing the wings inward to fit the hole and then by pushing from the screws until it sits flat on the ceiling.



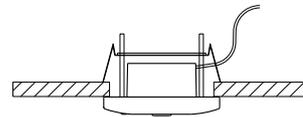
- Tighten the screws until the lower part is fixed in place.

(Tighten both screws evenly. Overtightening may deform the case and possibly make it harder to install the upper part.)



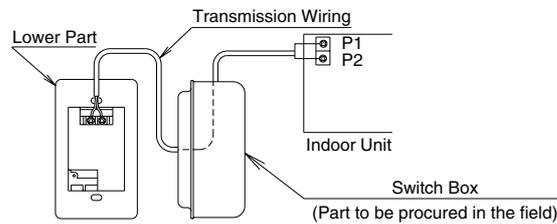
- Rettach the upper part of receiver.

(Install the upper part on the lower part being careful parts are facing in the correct direction. And, test the emergency run button.)



■ For Wall Mounting

(1) Wire the Indoor Unit

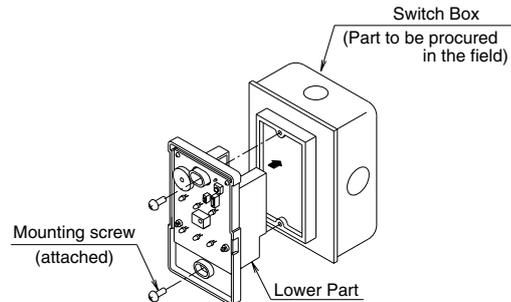


(Connect the P1 and P2 terminals on the rear of the lower part to the P1 and P2 terminals on the indoor unit. Neither of the terminals is polarized, so it is not important if connections are crossed.)

(2) Fix the Lower Part

- Install the lower part on the switch box (field supplied part)

(Select as flat a place as possible to install the lower part. Also, be aware of the fact that overtightening the screws (attached) may deform the case and possibly make it harder to install the upper part.)

**(3) Rettach the Upper Part of Remote Controller**

(Install the upper part on the lower part being careful parts are facing in the correct direction. And, test the emergency run button.)

NOTES)

1. The switch box and wiring are not included.
2. Do not directly touch the PC board with your hand.

<<Precautions on transmission wiring>>

- ① When wiring, run the wiring away the power supply wiring in order to avoid receiving electric noise (external noise).
- ② When wiring, refer to the wiring diagram of indoor unit (attached to indoor unit) as well.

WIRING SPECIFICATION

Wiring type	Sheathed wire (2 wire)
Size	0.75~1.25mm ²
Wiring length	max 200m (See Note 1)

NOTE)

1. Keep wires to less than 200m total when using 2 remote controller (wired or wireless) and when not.

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