2.6 BRC7E63W / BRC7E66 (for FXH(Q))

2.6.1 Operation

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NAMES AND FUNCTIONS OF THE OPERATING SEC-TION (Fig. 1, 2)

1	DISPLAY "▲" (SIGNAL TRANSMISSION)
	This lights up when a signal is being transmitted.
2	DISPLAY "ஒ" "[]" " []" " 🕌 " " 🌞 " " 🎉 " (OPERATION MODE)
	This display shows the current OPER- ATION MODE. For straight cooling type, " (Auto) and " (Heating) are not installed.
3	DISPLAY " [17] (SET TEMPERATURE)
	This display shows the set tempera- ture.
	DISPLAY " hr. @ - 0 hr. @ - 1
4	(PROGRAMMED TIME)
	This display shows PROGRAMMED TIME of the system start or stop.
5	DISPLAY " •• 🖯 🖓 " (AIR FLOW FLAP)
	Refer to Note 1.
6	DISPLAY " 🗞 " " 🤣 " (FAN SPEED)
	The display snows the set fan speed.
	DISPLAY " INSPECTION/ TEST OPERATION)
7	When the INSPECTION/TEST OPER- ATION BUTTON is pressed, the display
	ON/OFF BUITTON
	Press the button and the system will
8	start. Press the button again and the system will stop.
	FAN SPEED CONTROL BUTTON
9	Press this button to select the fan speed, HIGH or LOW, of your choice.

	TEMPERATURE SETTING BUTTON
10	Use this button for SETTING TEMPER-
10	ATURE (Operates with the front cover
	of the remote controller closed.)
	PROGRAMMING TIMER BUTTON
	Use this button for programming
11	"START and/or STOP" time. (Operates
	with the front cover of the remote con-
12	TIMER MODE START/STOP BUTTON
	Refer to Note 2.
13	TIMER RESERVE/CANCEL BUTTON
	Refer to Note 3.
	AIR FLOW DIRECTION ADJUST
14	BUTION
	Heier to Note 4.
	OPERATION MODE SELECTOR
15	
	Press this button to select OPERALION
16	Refer to the section of MAIN I ENANCE
	indoor unit
	BUTTON
17	This button is used only by qualified
	service persons for maintenance
	purposes.
	EMERGENCY OPERATION SWITCH
18	This switch is readily used if the remote
	controller does not work.
	RECEIVER
19	This receives the signals from the
	remote controller.
20	OPERATING INDICATOR LAMP
	(Red)
	This lamp stays lit while the air
	conditioner runs. It flashes when the
	unit is in trouble.
21	TIMER INDICATOR LAMP (Green)
	This lamp stays lit while the timer is set.
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Note 1 : page 111, Note 2 : page 112, Note 3 : page 113, Note 4 : page 111

AIR FILTER CLEANING TIME INDICATOR LAMP (Red) 22 Lights up when it is time to clean the air filter. **DEFROST LAMP (Orange)** 23 Lights up when the defrosting operation has started. (For straight cooling type this lamp does not turn on.) FAN/AIR CONDITIONING SELECTOR SWITCH 24 Set the switch to " 🖓 " (FAN) for FAN and " (I) " (A/C) for HEAT or COOL. **COOL/HEAT CHANGEOVER SWITCH** 25 Set the switch to "* " (COOL) for COOL and " (HEAT) for HEAT. NOTES · 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

ter, press the filter sign reset button on the remote controller. The air filter cleaning time indicator lamp on the receiver will go out.

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.



Transmitting distance is approximately 7 m.

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)



(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.

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[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 DAIKIN dealer.

OPERATION PROCEDURE

Refer to figure 1 (Note)

- Operating procedure varies with heat pump type and cooling only type. Contact your Daikin dealer to confirm your system type.
- 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, FAN, AND PROGRAM DRY OPERATION

Operate in the following order.

- AUTOMATIC OPERATION can be selected only by Heat recovery system.
- For cooling only type, "COOLING", and "FAN" and "DRY" operation are able to select.

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Control Systems

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((FOR SYSTEMS WITHOUT COOL/ HEAT CHANGEOVER REMOTE CONTROL SWITCH))

Refer to figure 1-1, 2 (Note)

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	MODE
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OPERATION MODE SELECTOR

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

■COOLING OPERATION	"	*	"
■HEATING OPERATION	"	۲	,
■AUTOMATIC OPERATION	"	₩.	,

• In this operation mode, COOL/HEAT changeover is automatically conducted.

FAN OPERATION	"	Ş	"
DBY OPERATION	"		"

- 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.

Press ON/OFF button

OPERATION lamp lights up or goes off and the system starts or 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 CHANGEOVER REMOTE CONTROL SWITCH))

Refer to figure 1-1, 3 (Note)

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OPERATION MODE

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



- See "FOR SYSTEM WITHOUT COOL/ HEAT CHANGEOVER REMOTE CON-TROL SWITCH" for details on dry operation.
- (2) Press OPERATION MODE SELECTOR button several times and select " I " (This operation is only available during dry operation.)

Press ON/OFF button

OPERATION lamp lights up or goes off and the system starts or 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 OPERA-TION] DEFROST OPERATION

- As the frost on the coil of an outdoor unit increase, 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.

ADJUSTMENT

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



TEMPERATURE SETTING

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"

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

					10
	Н	-	М	-	L
Setting temperature	25	23	22	21	19

• The setting is impossible for fan operation.

NOTE T

o

• The setting temperature range of the remote controller is 16°C to 32°C.

🕹 FAN FAN SPEED CONTROL

Press FAN SPEED CONTROL button.

High or Low fan speed can be selected. The microchip may sometimes control the fan speed in order to protect the unit.

AIR FLOW DIRECTION ... ADJUST

- · There are 2 ways of adjusting the air discharge angle.
 - 1. A. Up and down adjustment
 - 2. B. Left and right direction

Fig. 1



[°C]

OH08-1

A. UP AND DOWN DIRECTION

• The movable limit of the flap is changeable. Contact your Daikin dealer for details.

Press the AIR FLOW DIRECTION ADJUST button to select the air direction as shown below.



DISPLAY appears and the air flow direction continuously varies. (Automatic swing setting)

Press AIR FLOW DIREC-TION ADJUST button to select the air direction of your choice.



DISPLAY vanishes the air flow direction is fixed (Fixed air flow direction setting).

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 condition	• When room temperature is lower than the set tem- perature	 When room temperature is higher than the set tem- perature At defrost operation 		
	 When operating continuously at horizontal air flow direction 			

NOTE 👕

 If you try cooling or programmed drying, while the flaps are facing downward, air flow 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.

• Operation mode includes automatic operation.

B. LEFT AND RIGHT DIRECTION

• Adjusting air flow direction in the left and right direction. (Refer to Fig. 1)

NOTE

- Only make adjustments after you have stopped the air flow direction swing in a position.
- Stop flaps from swinging before trying to angle them. Working while the flaps are moving may get your fingers pinched.

PROGRAM TIMER OPERATION

Operate in the following order.

• The timer is operated in the following two ways.

Programming the stop time $(\oplus \cdot \bigcirc)$

.... The system stops

operating after the set time has elapsed. Programming the start time $(\bigcirc \cdot \mid)$

.... 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.



TIMER MODE START/

For setting the timer stop " \bigcirc " \bigcirc " For setting the timer start " \bigcirc "

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



Press the PROGRAMMING TIME 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.



TIMER RESERVE

Press the TIMER RESERVE button.

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



TIMER CANCEL

Press the TIMER OFF button to cancel programming. The display vanishes.

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.

NOTE T

- 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.

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.



to be designated as the master remote controller.

· 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

Operate in the following order.



Continuously press the OPERATION MODE SELECTOR button for 4 seconds.

The displays showing " ① " of all slave indoor unit connected to the same outdoor unit or BS unit flash.



Press the OPERATION MODE SELEC-TOR 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]



To press the emergency operation switch.

The machine runs in the previous mode. The system operates with the previously set air flow direction.



[STOP]



Press the EMERGENCY OPERA-TION switch again.

PRECAUTIONS FOR GROUP CONTROL SYSTEM OR TWO REMOTE CONTROLLER CON-TROL 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.

NOTES

- 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.
- Only the operating indicator lamp out of 3 other lamps on the indoor unit display functions.

NOTE 🗐

 Contact your Daikin dealer in case of changing the combination or setting of group control and two remote controller control systems.

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

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.



Press the INSPECTION/TEST button to select the inspection mode " \Box ".

" \square " appears on display and blinks. "UNIT" lights up.

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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



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

" $\hfill J$ " 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.



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



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.

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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 LOW SPEED.
 - If the air flow angle is not proper.

Contact the place of purchase in the following case.

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.

Note : page 116

[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. (Note)

2.6.2 Installation



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