

DAIKIN

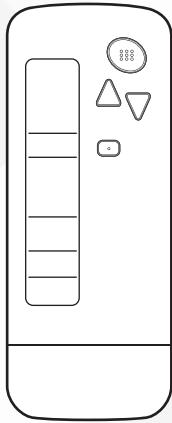
English

Français

Español

WIRELESS REMOTE CONTROLLER KIT

OPERATION MANUAL



MODELS

BRC082A41W
BRC082A42W
BRC082A42S

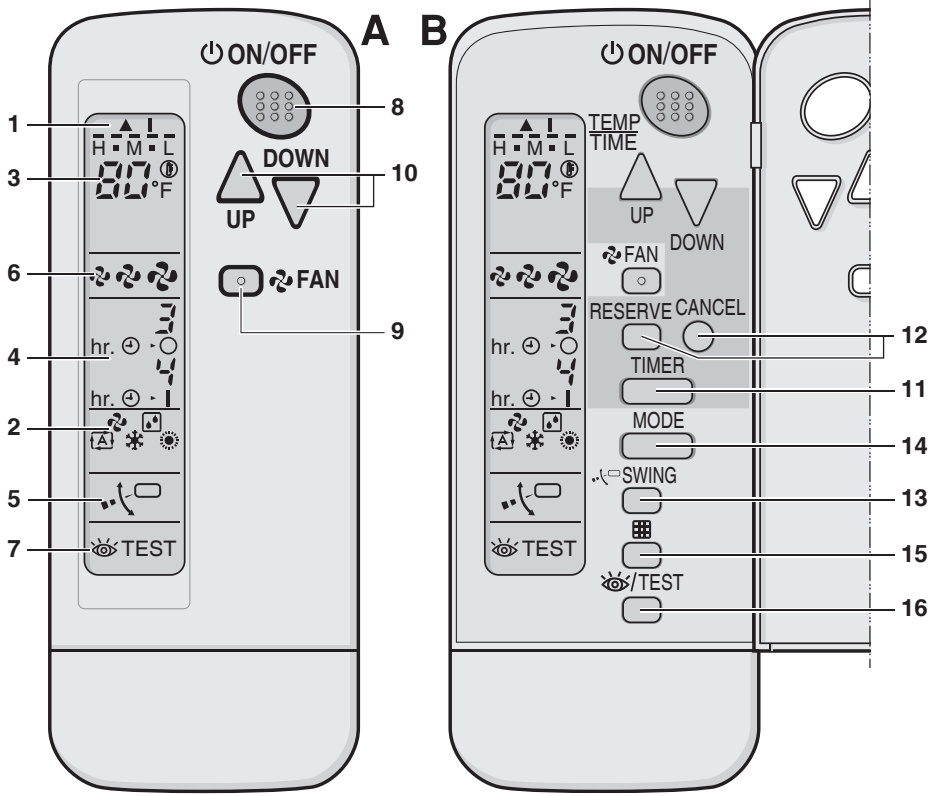


Figure 1

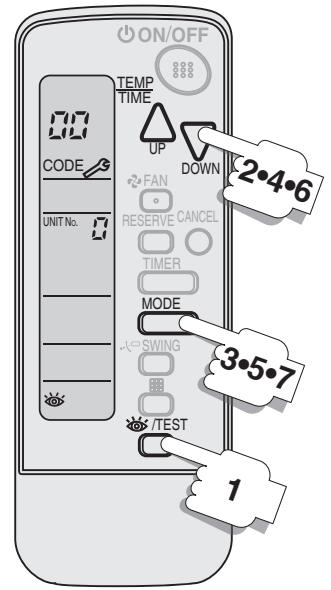


Figure 2

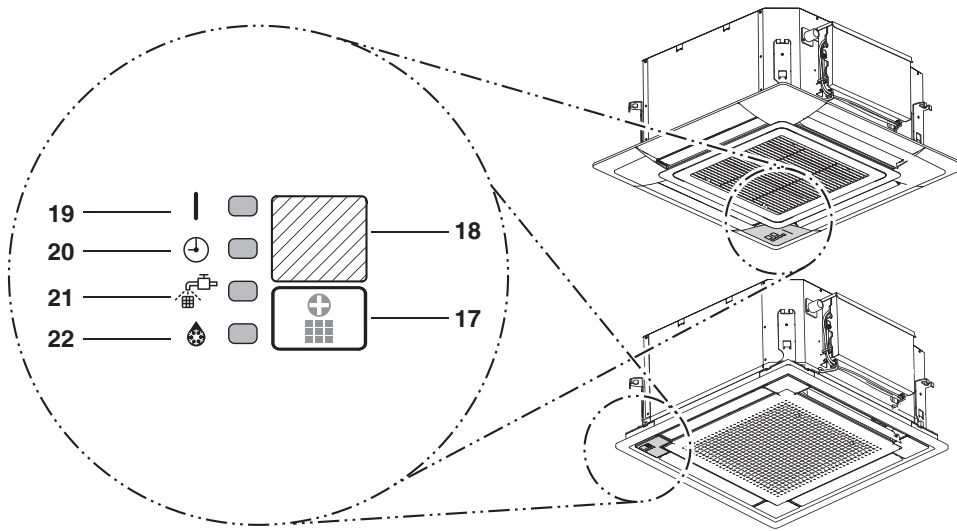


Figure 3

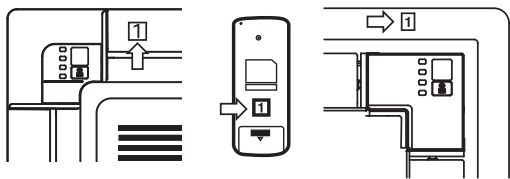


Figure 4

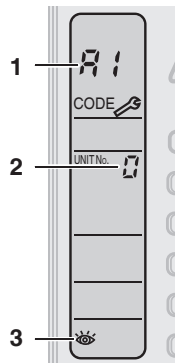


Figure 5

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Thank you for purchasing this Daikin remote controller. Carefully read this operation manual before using the air conditioner. It will tell you how to use the unit properly and help you if any trouble occurs. After reading the manual, file it away for future reference.

The English text is the original instruction. Other languages are translations of the original instructions.

Safety considerations

To gain full advantage of the air conditioner's functions and to avoid malfunction due to mishandling, we recommend that you read this instruction manual carefully before use. The precautions described herein are classified as WARNING and CAUTION. They both contain important information regarding safety. Be sure to observe all precautions without fail.



WARNING

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

CAUTION

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

Information classified as **NOTE** contains instructions to ensure proper use of the equipment.

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



WARNING

- Be aware that prolonged, direct exposure to cool or warm air from the air conditioner, or to air that is too cool or too warm can be harmful to your physical condition and health.
- When the air conditioner is malfunctioning (giving off a burning odor, etc.) turn off power to the unit and contact your local dealer. Continued operation under such circumstances may result in a failure, electric shock or fire hazards.
- Do not attempt to install or repair the air conditioner yourself. Improper workmanship may result in water leakage, electric shock or fire hazards. Please contact your local dealer or qualified personnel for installation and maintenance work.
- Ask your dealer to perform servicing or repairs whenever necessary. Improper servicing or repairs may result in water leaks, electric shock or fire.
- Do not place objects, including rods, your fingers, etc., in the air inlet or outlet. Injury may result due to contact with the air conditioner's highspeed fan blades.
- Consult your local dealer regarding relocation and reinstallation of the air conditioner. Improper installation work may result in leakage, electric shock or fire hazards.

















CAUTION

- Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner for cooling precision instruments, food, plants, animals or works of art as this may adversely affect the performance, quality and/or longevity of the object concerned.
- To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Do not expose plants or animals directly to air flow from the unit as this may cause adverse effects.
- To avoid electric shock, do not operate with wet hands.
- Do not place burners or heaters in places exposed to the air flow from the unit as this may impair combustion of the burner or heater.
- Do not place flammable sprays or operate spray containers near the unit as this may result in fire.

Names and functions of the operating section

See figure 1, (figure 1B shows the remote controller with front cover opened)

- 1 DISPLAY “▲” (SIGNAL TRANSMISSION)
This lights up when a signal is being transmitted.
- 2 DISPLAY “ “ “ “ “ “” (OPERATION MODE)
This display shows the current OPERATION MODE.
- 3 DISPLAY “H·M·L”, “” (SET TEMPERATURE)
This display shows the set temperature.
- 4 DISPLAY “hr.  hr. ” (PROGRAMMED TIME)
This display shows PROGRAMMED TIME of the system start or stop.
- 5 DISPLAY “” (SWING FLAP)
Refer to “AIR FLOW DIRECTION ADJUST” on page 5.
- 6 DISPLAY “ “ “” (FAN SPEED)
The display shows the set fan speed.
- 7 DISPLAY “TEST” (INSPECTION/TEST OPERATION)
When the INSPECTION/TEST OPERATION BUTTON is pressed, the display shows the system mode is in.
- 8 ON/OFF BUTTON
Press the button and the system will start. Press the button again and the system will stop.
- 9 FAN SPEED CONTROL BUTTON
Press this button to select the fan speed, LOW, MEDIUM or HIGH, of your choice.
- 10 TEMPERATURE SETTING BUTTON
Use this button for SETTING TEMPERATURE.
- 11 TIMER MODE START/STOP BUTTON
Refer to “TIMER MODE START/STOP” on page 6.
- 12 TIMER RESERVE/CANCEL BUTTON
Refer to “PROGRAMMING TIME” on page 6.
- 13 AIR FLOW DIRECTION ADJUST BUTTON
Refer to “AIR FLOW DIRECTION ADJUST” on page 5.
- 14 OPERATION MODE SELECTOR BUTTON
Press this button to select OPERATION MODE.
- 15 FILTER SIGN RESET BUTTON
Refer to the section of MAINTENANCE in the operation manual attached to the indoor unit.
- 16 INSPECTION/TEST OPERATION BUTTON
This button is used only by qualified service persons for maintenance purposes.

See figure 3, (receiver on decoration panel)

- 17 EMERGENCY OPERATION SWITCH
This switch is readily used if the remote controller does not work.
- 18 RECEIVER
This receives the signals from the remote controller.
- 19 OPERATION LAMP (Red)
This lamp stays lit while the air conditioner runs. It blinks when the unit is in trouble.
- 20 TIMER LAMP (Green)
This lamp stays lit while the timer is set.
- 21 AIR FILTER CLEANING TIME INDICATOR LAMP (Red)
Lights up when it is time to clean the air filter.
- 22 DEFROST LAMP (Orange)
Lights up when the defrosting operation has started.

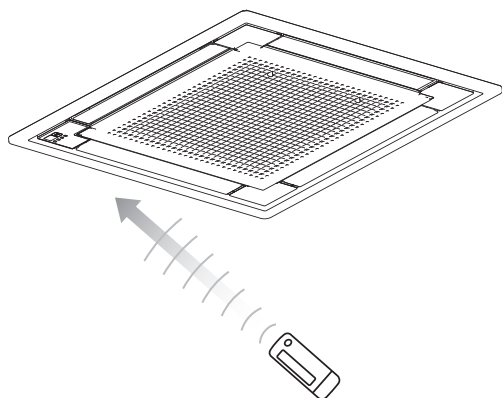


- NOTE**
- For the sake of explanation, all indications are shown on the display in figure 1 contrary to actual running situations.
 - If the AIR FILTER CLEANING TIME INDICATOR lamp lights up, clean the air filter as explained in the operation manual provided with the indoor unit.
After cleaning and reattaching the air filter, press the FILTER SIGN RESET button on the remote controller. The AIR FILTER CLEANING TIME INDICATOR lamp on the receiver will go out.
 - The DEFROST lamp will blink when the power is turned on. This is not a malfunction.

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 such as curtains, it will not operate.



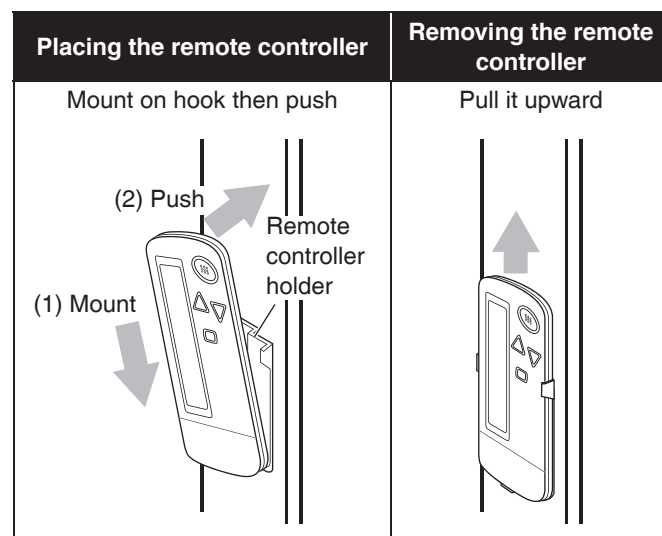
- Transmitting distance is approximately 23ft (7m).
- 2 short beeps from the receiver indicates that the transmission is properly done.
- Do not drop or get it wet. It may get damaged.
- Never press the button of the remote controller with a hard, pointed object. The remote controller may get damaged.

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.

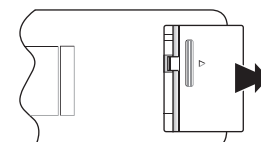
Placing the remote controller in the remote controller holder

Choose a place where the signals reach the unit. Install the remote controller holder to a wall or a pillar with the attached screw.



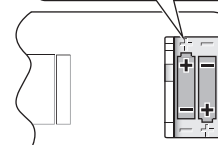
How to put the batteries

- 1 Slide the back cover to take it off.



- 2 Insert 2 dry batteries AAA, LR03 (alkaline).

Position (+) and (-) correctly!



- 3 Replace the back cover.

When to change batteries

Under normal use, batteries last about a year. However, if the remote controller display begins to fade and the possible transmission range becomes shorter within a year, replace both batteries as specified above.

NOTE Replace the two 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 case of a 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 dealer.

Operation range

- Refer to the operation manual provided with the indoor unit or with the outdoor unit.
- If the indoor temperature or humidity is beyond operating conditions as listed in the indoor unit or outdoor unit manuals, it may happen
 - that safety devices work,
 - that the air conditioner does not operate,
 - that water drips from the indoor unit.
- The setting temperature range of the remote controller is 60°F (16°C) to 90°F (32°C).

Operation procedure

- 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 DRY operation

Operate in the following order:

AUTOMATIC operation can be selected only by heat pump system.

For systems without a cool/heat changeover remote control switch

1



OPERATION MODE SELECTOR

See figure 1

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

- COOLING operation ❄️
- HEATING operation ☀️
- AUTOMATIC operation 🔄
 - In this operation mode, COOL/HEAT changeover is automatically conducted.
- FAN operation 🌀
- DRY operation 💧
 - This operation is to decrease the humidity in your room with the minimum temperature decrease.
 - The set point is the air temperature when starting operation by DRY operation.
 - Micro computer automatically determines TEMPERATURE and FAN SPEED.
 - DRY operation will not activate when room temperature is 57°F (14°C) or less.

2

ON/OFF



ON/OFF

Press ON/OFF button.

The OPERATION lamp lights up or goes off and the system starts or stops operation.



Do not turn OFF power immediately after the unit stops. Wait at least 5 minutes. Failure to do so may result in water leakage etc.

Explanation of HEATING operation
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 about 4 to 12 minutes of DEFROST operation, the system returns to HEATING operation.

Heating capacity and outdoor air temperature

- Heating capacity drops as outdoor air temperature lowers. If feeling cold, use another heater at the same time with 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.
- 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.



UP

Each time this button is pressed, setting temperature rises 1°F (0.56°C).



DOWN

Each time this button is pressed, setting temperature lowers 1°F (0.56°C).

In case of AUTOMATIC operation



UP

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



DOWN

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

	°F(°C)				
	H	•	M	•	L
Setting temperature	77 (25)	73 (23)	71.5 (22)	70 (21)	66 (19)

• The setting is impossible for FAN operation

- The setting temperature range of the remote controller is 60°F (16°C) to 90°F (32°C).



FAN SPEED CONTROL

Press FAN SPEED CONTROL button.

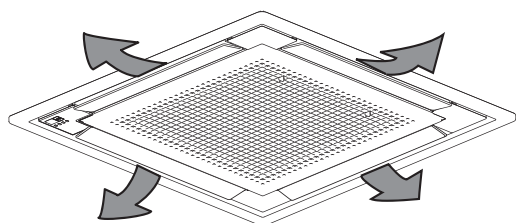
- LOW, MEDIUM or HIGH fan speed can be selected.
- The micro computer may sometimes control the fan speed in order to protect the unit.



AIR FLOW DIRECTION ADJUST

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

- Up and down adjustment



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 DIRECTION ADJUST button to select the air direction of your choice.

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

- Movement of the swing flap
For the following conditions, the micro computer controls the air flow direction so it may be different from the display.

Operation mode	HEATING
Operation conditions	<ul style="list-style-type: none"> ■ When starting operation. ■ When room temperature is higher than the set temperature. ■ In DEFROST operation. (The flaps turn to the horizontal position to avoid blowing cold air directly on the occupants of the room.)

NOTE ■ Operation mode includes AUTOMATIC operation.

Program timer operation

Operate in the following order.

- 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 for a maximum of 72 hours.
- The start and the stop time can be simultaneously programmed.

1



TIMER MODE START/STOP

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

- For setting the timer stop ⌚ ▶ ○
- For setting the timer start ⌚ ▶ |

2



PROGRAMMING TIME

Press the TEMPERATURE SETTING button and set the time for stopping or starting the system.



UP

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



DOWN

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

3



TIMER RESERVE

Press the TIMER RESERVE button.

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

4

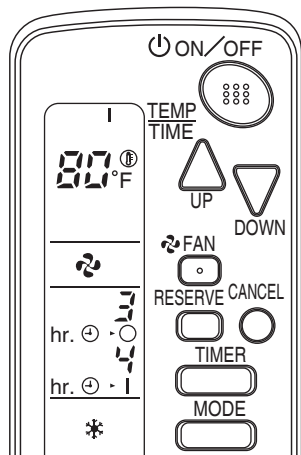


TIMER CANCEL

Press the TIMER CANCEL 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

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



Emergency operation

When the remote controller does not work due to battery failure or the absence thereof, use the switch which is located beside the discharge grille on the indoor unit. When the remote controller does not work, contact your dealer.

1

START

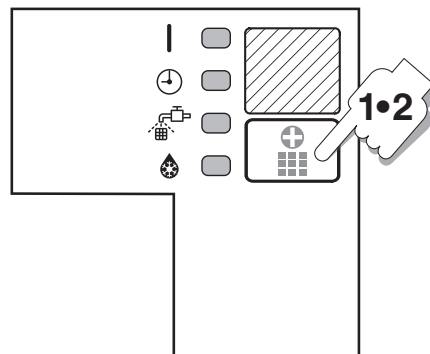
Press the emergency operation switch.

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

2

STOP

Press the emergency operation switch again.



Precautions for group control system or two remote 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 a two remote controller control system with only wireless remote controllers. (It will be a two remote controller control system having one wired remote controller and one wireless remote controller.)
- Under two remote controller control system, wireless remote controller cannot control timer operation.
- Only the OPERATION lamp out of 3 other lamps on the indoor unit display functions. Contact your dealer in case of changing the combination or setting of group control and two remote controller control systems.

Troubleshooting

Emergency stop

(See figure 2)

When the air conditioner stops unexpectedly, the OPERATION 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 and speeding up the repair.

1



Press the INSPECTION/TEST button to select the inspection mode.
“UNIT No.” lights up and the unit number “ ” blinks.

2



Press the TEMPERATURE SETTING button and change the unit number.
Hold down the TEMPERATURE SETTING button until the indoor unit emits one of the following beep tones.

Number of beeps

- 3 short beeps perform all steps from 3 to 6
- 1 short beep perform steps 3 and 6
- 1 long beep No trouble

3



Press the OPERATION MODE SELECTOR button.
“ ” on the left-hand of the malfunction code blinks.

4



Press the TEMPERATURE SETTING button and change the malfunction code.
Press until the indoor unit makes 2 short beeps.

5



Press the OPERATION MODE SELECTOR button.
“ ” on the right-hand of the malfunction code blinks.

6



Press the TEMPERATURE SETTING 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 its normal state.

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. See figure 4.
Operate the indoor unit with the remote controller of the same number.
Signals 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 warm.
 - Check if the set temperature is proper.
 - Check if the FAN SPEED is not set to LOW SPEED.
 - Check if the air flow angle is 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.

Trouble

The OPERATION lamp of the indoor unit is blinking and the unit does not work at all. See figure 5.

- 1 Malfunction code
- 2 Unit No. which sensed trouble
- 3 INSPECTION display

Remedial action

Check the malfunction code (*R I-LF*) on the remote controller. Notify and inform the model name and what the malfunction code indicates to your dealer.

When you think there is something wrong

The following symptoms do not indicate air conditioner malfunction:

Symptom 1: The system does not operate

Example	Reason
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.
If operation stops as a result of changing the temperature setting, there will be a delay before operation restarts if the setting is lowered (in COOLING) or raised (in HEATING) again.	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.
The outdoor unit stops.	Because the room temperature reaches to the set temperature. The indoor unit goes into FAN operation.

Symptom 2: The unit stops once in a while

Example	Reason
The remote controller indicates "U4" and "U5", the unit stops. Within several minutes the unit restarts.	Due to electrical noise other than that from the air conditioner, the communication between the units is cut off and the unit stops. When the noise is gone, the unit automatically restarts.

Symptom 3: No changeover is available between HEATING and COOLING modes

Example	Reason
The indoor unit makes a long beep sound.	When operation changeover is under control, the control is set to the mode that cannot be carried out.

Symptom 4: Air flow rate cannot be obtained as set

Example	Reason
During HEATING operation, even if the FAN SPEED CONTROL button is pressed, the air flow rate does not change.	When the room temperature reaches the indoor unit set temperature, the outdoor unit stops and the air flow rate of indoor unit drops to the minimum. This is to avoid the cold air from getting in contact with the people in the room.

Symptom 5: Air discharge direction is not as set

Example	Reason
The remote controller indication and the air discharge direction is not the same. Air discharge direction swing is impossible.	Because it is controlled by microcomputer. Refer to "AIR FLOW DIRECTION ADJUST" on page 5.

Symptom 6: Only a part of indication shows

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

Symptom 7: No indication shows or all indication show

Example	Reason
When the remote controller button is pressed.	The battery is dead.

Symptom 8: Insufficient cooling

Example	Reason
It is in DRY operation.	The DRY operation is an operation mode trying to keep the room temperature constant as much as possible. Refer to "COOLING, HEATING, AUTOMATIC, FAN and DRY operation" on page 4.

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