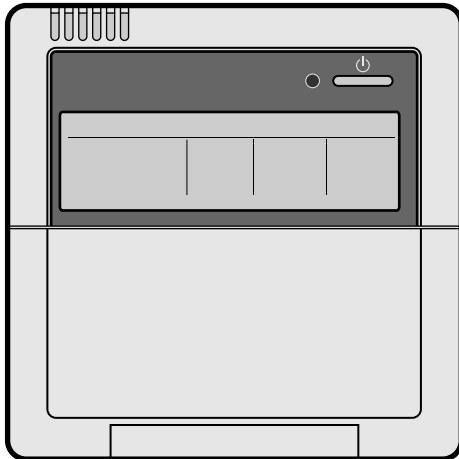


DAIKIN

OPERATION MANUAL

VRV System air conditioner



MODEL

RXYQ72MTJU
RXYQ96MTJU
RXYQ144MTJU
RXYQ168MTJU
RXYQ192MTJU
REYQ72MTJU
REYQ96MTJU
REYQ144MTJU
REYQ168MTJU
REYQ192MTJU

Read these instructions carefully before installation.
Keep this manual in a handy place for future reference.
This manual should be left with the equipment owner.

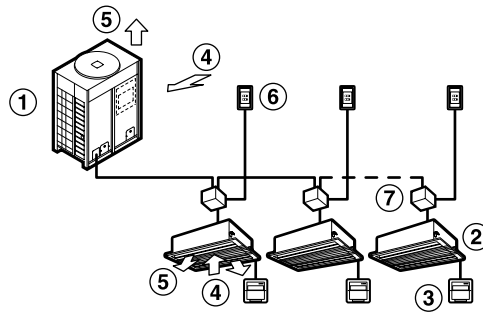
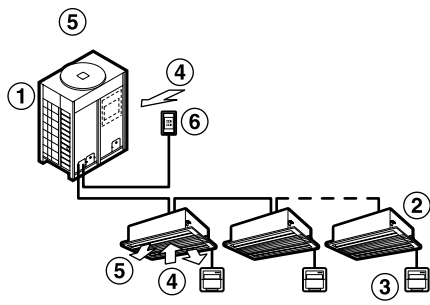


Figure 1

RXYQ

REYQ

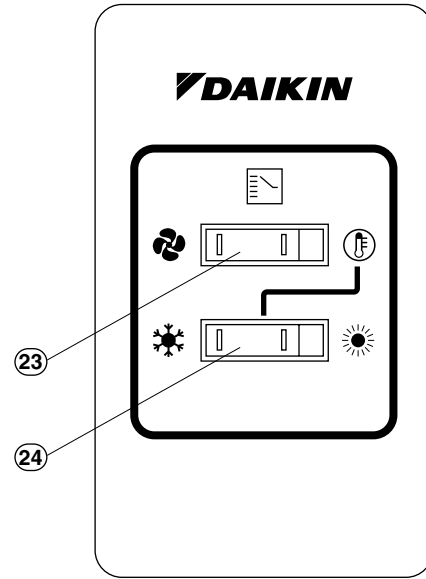
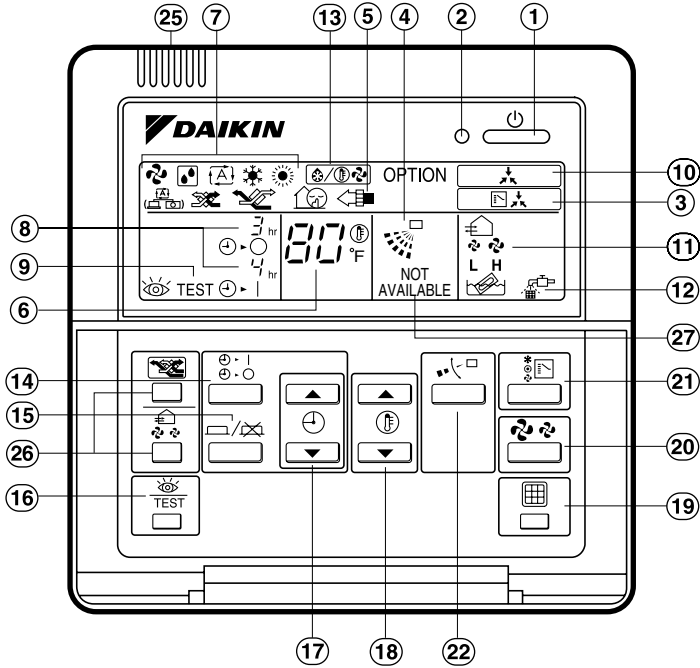


Figure 2

Figure 3

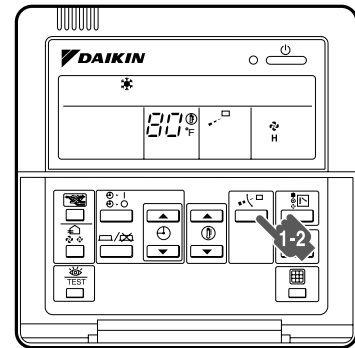
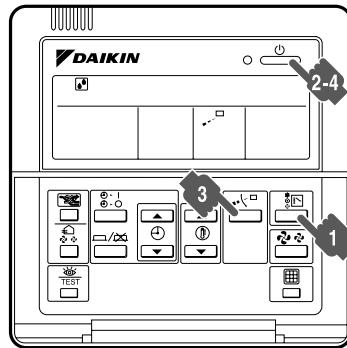
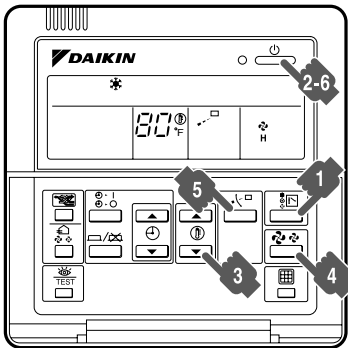


Figure 4

Figure 5

Figure 6

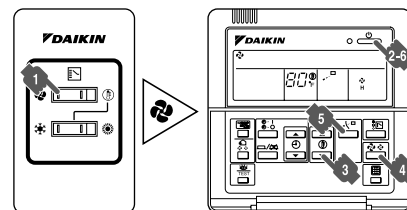
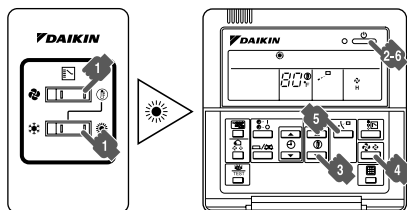
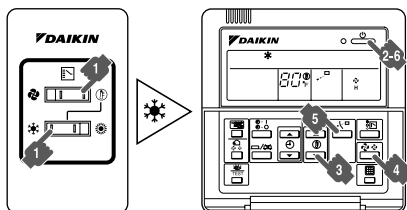


Figure 7.1

Figure 7.2

Figure 7.3

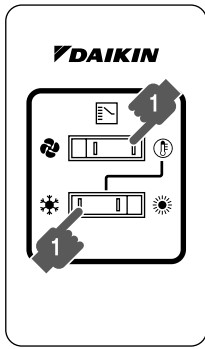


Figure 8

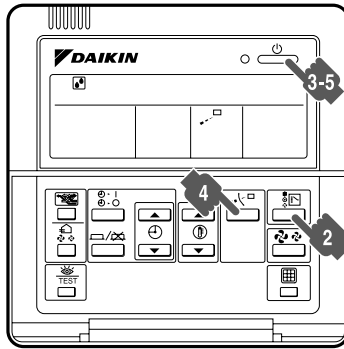


Figure 9

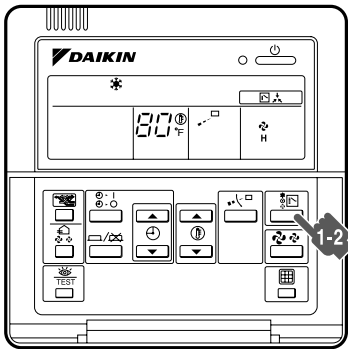


Figure 10

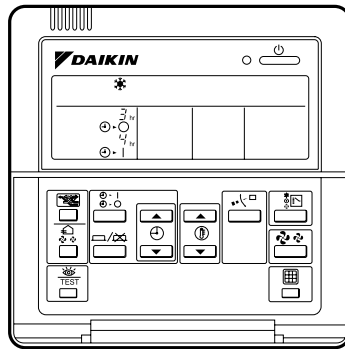


Figure 11

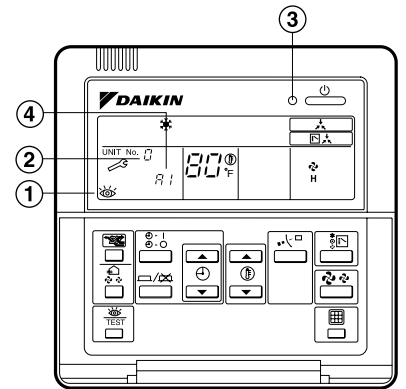


Figure 12

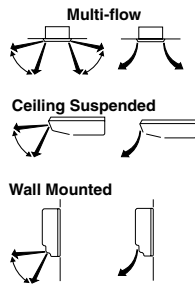


Figure 13

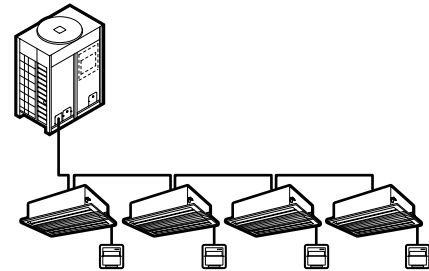


Figure 14

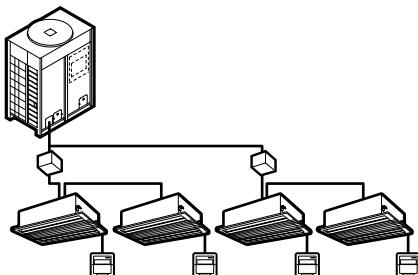


Figure 15

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1. SAFETY CONSIDERATIONS

Please read these "SAFETY CONSIDERATIONS" carefully before installing the air conditioning unit and be sure to install it correctly. After completing the installation, make sure that the unit operates properly during the test operation.

Please instruct the customer on how to operate the unit and keep it maintained.

Also, inform the customer that this operation manual should be stored along with the installation manual for future reference.

This air conditioner comes under the term "appliances not accessible to the general public".

Meaning of danger, warning, caution and note symbols.

⚠ DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

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

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

⚠ NOTE Indicates a situation that may result in the unit or property-damage-only accidents.

Keep these warning sheets handy so that you can refer to them if needed.

Also, if this unit is transferred to a new user, make sure to hand over this operation manual to the new user.

⚠ DANGER

- **Refrigerant gas may produce a toxic gas if it comes in contact with fire such as from a fan, heater, stove or cooking device. Exposure to this gas could cause severe injury or death.**
- **For refrigerant leakage, consult your dealer.** Refrigerant gas is heavier than air and replaces oxygen. A massive leak could lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.
- **Any abnormalities in the operation of the air conditioner such as smoke or fire could result in severe injury or death.** Turn off the power and contact your dealer immediately for instructions.
- **Do not install the unit in an area where flammable materials are present due to risk of explosion resulting in serious injury or death.**
- **If equipment utilizing a burner is used in the same room as the air conditioner, there is the danger of oxygen deficiency which could lead to an asphyxiation hazard resulting in serious injury or death.** Be sure to ventilate the room sufficiently to avoid this hazard.
- **Safely dispose of the packing materials.** Packing materials, such as nails and other metal or wooden parts, may cause stabs or other injuries. Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags face the danger of death by suffocation.

⚠ WARNING

- **It is not good for your health to expose your body to the air flow for a long time.**
- **Ask your dealer for installation of the air conditioner.**
Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.
- **Ask your dealer for improvement, repair, and maintenance.**
Incomplete improvement, repair, and maintenance may result in a water leakage, electric shock, and fire.
- **Improper installation or attachment of equipment or accessories could result in electric shock, short-circuit, leaks, fire or other damage to the equipment. Be sure only to use accessories made by Daikin which are specifically designed for use with the equipment and have them installed by a professional.**
- **Ask your dealer to move and reinstall the air conditioner.**
Incomplete installation may result in a water leakage, electric shock, and fire.
- **Never let the indoor unit or the remote controller get wet.**
It may cause an electric shock or a fire.
- **Never use flammable spray such as hair spray, lacquer or paint near the unit.**
It may cause a fire.
- **Never replace a fuse with that of wrong ampere ratings or other wires when a fuse blows out.**
Use of wire or copper wire may cause the unit to break down or cause a fire.
- **Never remove the fan guard of the unit.**
A fan rotating at high speed without the fan guard is very dangerous.
- **Never inspect or service the unit by yourself.**
Ask a qualified service person to perform this work.
- **Cut off all electric waves before maintenance.**
- **To avoid the risk of serious electric shock, never sprinkle or spill water or liquids on the unit.**
- **Do not touch the switch with wet fingers.**
Touching a switch with wet fingers can cause electric shock.
- **Do not allow children to play on or around the unit as they could be injured.**
- **The heat exchanger fins are sharp enough to cut.**
To avoid injury wear gloves or cover the fins while working around them.

- **Do not put a finger or other objects into the air inlet or air outlet. The fan is rotating at high speed and will cause injury.**
- **Do not allow children to play on or around the unit as they could be injured.**
- **Operating the air conditioner with wet hands could result in a shock hazard.**
- **Check the unit stand for damage on a continuous basis, especially if it has been in use for a long time.**
If left in a damaged condition the unit may fall and cause injury.
- **Placing a flower vase or other containers with water or other liquids on the unit could result in a shock hazard or fire if a spill occurs.**
- **Do not touch the air outlet or horizontal blades while the swing flap is in operation because fingers could get caught and injured.**
- **Be sure to establish an earth.**
Do not earth the unit to a utility pipe, arrester, or telephone earth.
Incomplete earth may cause electrical shock, or fire.
A high surge current from lightning or other sources may cause damage to the air conditioner.
- **Never touch the internal parts of the controller.**
Do not remove the front panel because some parts inside are dangerous to touch. In addition, some parts may be damaged to touching. For checking and adjusting internal parts, contact your dealer.

⚠ CAUTION

- **Do not use the air conditioner for other purposes.**
In order to avoid any quality deterioration, do not use the unit for cooling precision instruments, food, plants, animals or works of art.
- **Do not place items under the indoor unit which may be damaged by water.**
Condensation may form if the humidity is above 80% or if the drain outlet gets blocked.
- **Before cleaning, be sure to stop the operation, turn the breaker off or pull out the supply cord.**
Otherwise, an electric shock and injury may result.
- **Never expose little children, plants or animals directly to the air flow.**
Adverse influence to little children, animals and plants may result.
- **Do not wash the air conditioner with excessive water.**
An electric shock or fire may result.

- **Avoid placing the controller in a spot splashed with water.**

Water coming inside the controller may cause an electric leak or may damage the internal electronic parts.

- **Do not operate the air conditioner when using a room fumigation - type insecticide.**

Failure to observe could cause the chemicals to become deposited in the unit, which could endanger the health of those who are hypersensitive to chemicals.

- **Do not turn off the power immediately after stopping operation.**

Always wait at least five minutes before turning off the power. Otherwise, water leakage and trouble may occur.

- **The appliance is not intended for use by young children or infirm persons without supervision.**

- **The remote controller should be installed in such away that children cannot play with it.**

- **Consult with installation contractor for cleaning the inside of the air conditioner.**

Wrong cleaning may make the plastics parts broken or cause failure of water leakage or electric shock.

- **Do not touch the air inlet or aluminium fin of the air conditioner.**

Otherwise, injury may be caused.

- **Do not place objects in direct proximity of the outdoor unit and do not let leaves and other debris accumulate around the unit.**

Leaves are a hotbed for small animals which can enter the unit. Once in the unit, such animals can cause malfunctions, smoke or fire when making contact with electrical parts.

NOTE

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

The remote controller may be damaged.

- **Never pull or twist the electric wire of the remote controller.**

It may cause the unit to malfunction.

- **Do not place appliances which produce open fire in places exposed to the air flow from the unit or under the indoor unit. It may cause incomplete combustion or deformation of the unit due to the heat.**

- **Arrange the drain hose to ensure smooth drainage. Incomplete drainage may cause wetting of the building, furniture etc.**

- **Do not place the controller exposed to direct sunlight.**

The LCD display may get discolored, failing to display the data.

- **Do not wipe the controller operation panel with benzine, thinner, chemical dustcloth, etc.**

The panel may get discolored or the coating peeled off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. And wipe it with another dry cloth.

- **Dismantling of the unit, treatment of the refrigerant, oil and eventual other parts, should be done in accordance with the relevant local and national regulations.**

2. WHAT TO DO BEFORE OPERATION

This operation manual is for the following systems with standard control. Before initiating operation, contact your Daikin dealer for the operation that corresponds to your system type and mark.

If your installation has a customized control system, ask your Daikin dealer for the operation that corresponds to your system.

Outdoor units (Refer to figure 1)

	COOL/HEAT selector	Operation modes
Inverter series		
heat pumps RXYQ series	<input type="checkbox"/> yes <input type="checkbox"/> no	
Heat recovery series		
heat pumps REYQ series	<input type="checkbox"/> yes <input type="checkbox"/> no	

- **Names and functions of parts (Refer to figure 1)**

1. Outdoor unit
2. Indoor unit
3. Remote controller
4. Inlet air
5. Outlet air
6. COOL/HEAT selector
7. BS (branch selector) unit

(figure 1 shows systems with changeover remote control switches)

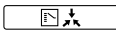











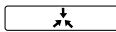







3. REMOTE CONTROLLER AND COOL/HEAT SELECTOR: NAME AND FUNCTION OF EACH SWITCH AND DISPLAY (Refer to figure 2 and 3)

1. **On/off button**

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

2. **Operation lamp (red)**

The lamp lights up during operation.

3. **Display “” (changeover under control)**
It is impossible to changeover heat/cool with the remote controller when this icon is displayed.
4. **Display “” (air flow flap)**
Refer to the chapter “Operation procedure - Adjusting the air flow direction”.
5. **Display “ OPTION ” (ventilation/air cleaning)**
This display shows that the ventilation unit is in operation. (This is an optional accessory.)
6. **Display “ ” (set temperature)**
This display shows the temperature you have set.
7. **Display “ ” “ ” “ ” “ ” “ ” “ ” (operation mode)**
This display shows the current operation mode.
8. **Display “ ” (programmed time)**
This display shows the programmed time of the system start or stop.
9. **Display “ TEST ” (inspection/test operation)**
When the inspection/test operation button is pressed, the display shows the mode in which the system actually is.
10. **Display “ ” (under centralized control)**
When this display shows, the system is under centralized control. (This is not a standard specification.)
11. **Display “ ” (fan speed)**
This display shows the fan speed you have selected.
12. **Display “ ” (time to clean air filter)**
Refer to the operation manual of indoor unit.
13. **Display “ ” (defrost/hot start)**
Refer to the chapter “Operation procedure - Explanation of heating operation.”
14. **Timer mode start/stop button**
Refer to the chapter “Operation procedure - Programming start and stop of the system with timer.”
15. **Timer on/off button**
Refer to the chapter “Operation procedure - Programming start and stop of the system with timer.”
16. **Inspection/test operation button**
This button is only used by qualified service persons for maintenance purposes.
17. **Programming time button**
Use this button for setting the programming start and/or stop time.
18. **Temperature setting button**
Use this button for setting the desired temperature.
19. **Filter sign reset button**
Refer to the operation manual of indoor unit.
20. **Fan speed control button**
Press this button to select the fan speed of your preference.
21. **Operation mode selector button**
Press this button to select the operation mode of your preference.
22. **Air flow direction adjust button**
Refer to the chapter “Operation procedure - Adjusting the air flow direction”.
23. **Fan only/air conditioning selector switch**
Set the switch to “ ” for fan only operation or to “ ” for heating or cooling operation.
24. **Cool/heat changeover switch**
Set the switch to “ ” for cooling or to “ ” for heating operation.
25. **Thermistor**
It senses the room temperature around the remote controller.
26. **These buttons are used when the ventilation unit is installed. (This is an optional accessory.)**
Refer to the operation manual of the ventilation unit.
27. **No function display**
 - If a function is not available in the indoor unit even if the button is pressed, “NOT AVAILABLE” is may be displayed for a few seconds.
 - When using multiple units at the same time. “NOT AVAILABLE” is only displayed when none of the indoor units is equipped with that function. If even one of the indoor units has the function, it will not be displayed.

▲ NOTE

- Contrary to actual operating situations, the display on figure 2 shows all possible indications.
 - Figure 2 shows the remote controller of which the cover is open.
 - If the filter sign lamp lights up, clean the air filter as explained in the operation manual of indoor unit. After cleaning and reinstalling the air filter, press the filter sign reset button on the remote controller. The filter sign lamp on the display will go out.
-

4. OPERATION RANGE

Use the system in the following temperature and humidity ranges for safe and effective operation.

	COOLING	HEATING
outdoor temperature	23°~110°FDB	5°~60°FWB
indoor temperature	57°~77°FWB	59°~80°FDB
indoor humidity	≤ 80%*	

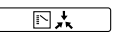

*To avoid condensation and water dripping out the unit.

If the temperature or the humidity is beyond these conditions, safety devices may work and the air conditioner may not operate.





5. OPERATION PROCEDURE

- Operation procedure varies according to the combination of outdoor unit and remote controller. Read the chapter “What to do before operation”.
- To protect the unit, turn on the main power switch 6 hours before operation. And do not turn it off during the air conditioning season for starting operation smoothly.
- If the main power supply is turned off during operation, operation will restart automatically after the power turns back on again.

5-1 COOLING, HEATING, AUTOMATIC AND FAN ONLY OPERATION (Refer to figure 4 and 7)

- The operation mode cannot be changed with the remote controller whose display shows “” (changeover under control).
- When the display “” (changeover under control) flashes, refer to the chapter “Operation procedure - Setting the master remote controller”.
- Automatic operation can be selected only by REYQ series.
- The fan may keep on running for about 1 minute after the heating operation stops for removing the heat in the indoor units.
- The air flow rate may adjust automatically depending on the room temperature or the fan may stop immediately. This is not a malfunction.
- To protect the unit, the system may control the air flow rate automatically.
- It may take some time to change the air flow rate. This is not a malfunction.

FOR SYSTEMS WITHOUT COOL/HEAT SELECTOR (Refer to figure 4)






- 1 Press the operation mode selector button several times and select the operation mode of your choice;
 - “” Cooling operation
 - “” Heating operation
 - “” Automatic operation
 - “” Fan only operation

NOTE

- Automatic operation (REYQ only)
In this operation mode, cool/heat changeover is automatically conducted.

- 2 Press the on/off button.
The operation lamp lights up and the system starts operation.

FOR SYSTEMS WITH COOL/HEAT SELECTOR (Refer to figure 7)

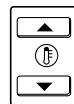
- 1 Select operation mode with the COOL/HEAT selector as follows:
 - “” “” Cooling operation (Refer to figure 7.1)
 - “” “” Heating operation (Refer to figure 7.2)
 - “” Fan only operation (Refer to figure 7.3)

- 2 Press the on/off button.
The operation lamp lights up and the system starts operation.

Adjustment

To adjust the desired temperature, fan speed and air flow direction follow the procedure shown below.

- 3 Press the temperature setting button and program the desired temperature.



Each time this button is pressed, the temperature setting rises or lowers 1°F.

NOTE

- Set the temperature within the operation range.
- The temperature setting is impossible for fan only operation.

- 4 Press the fan speed control button and select the fan speed of your preference.

- 5 Press air flow direction adjust button.
Refer to the chapter “Adjusting the air flow direction” for details.

Stopping the system

- Press the on/off button once again.
The operation lamp goes off and the system stops operation.


NOTE

- Do not turn off power immediately after the unit stops.
- The system needs at least 5 minutes for the residual operation of drain pump.
Turning the power off immediately will cause water leak or trouble.


EXPLANATION OF HEATING OPERATION

- For general heating operation, it may take longer to reach the set temperature than in cooling operation.
We recommend starting the operation which was used before using timer operation.
- The following operation is performed in order to prevent the heating capacity from dropping or cold air from blowing.

Defrost operation

- In heating operation, freezing of the outdoor unit coil increases. Heating capability decreases and the system goes into defrost operation.
- The indoor unit fan stops and the remote controller displays “”.
- After maximum 10 minutes of defrost operation, the system returns to heating operation again.

Hot start

- In order to prevent cold air from blowing out of an indoor unit at the start of heating operation, the indoor fan is automatically stopped. The display of the remote controller shows “”.

NOTE


- The heating capacity drops as the outside temperature falls. If this happens, use another heating device together with the unit. (When using the appliances which produce open fire together, ventilate a room constantly.)
Do not place appliances which produce open fire in places exposed to the air flow from the unit or under the unit.
- It takes some time for the room to warm up from the time the unit is started since the unit uses a hot-air circulatory system to warm the entire room.

- If the hot air rises to the ceiling, leaving the area above the floor cold, we recommend using the circulator (the indoor fan for circulating air). Contact your dealer for details.

5-2 PROGRAM DRY OPERATION

- The function of this operation is to decrease the humidity in your room with a minimum temperature decrease.
- The micro computer automatically determines temperature and fan speed.
- This function is not available if the room temperature is 68°F or lower.


FOR SYSTEMS WITHOUT COOL/HEAT SELECTOR (Refer to figure 5)

- Press the operation mode selector button several times and select “” (program dry operation).
- Press the on/off button
The operation lamp lights up and the system starts operation.
- Press the air flow direction adjust button. Refer to the chapter “Adjusting the air flow direction” for details.
- Press the on/off button once again.
The operation lamp goes off and the system stops operation.

NOTE

- Do not turn off power immediately after the unit stops, but wait for at least 5 minutes.
- The system needs at least 5 minutes for the residual operation of drain pump.
Turning the power off immediately will cause water leak or trouble.

FOR SYSTEMS WITH COOL/HEAT SELECTOR (Refer to figure 8)

- Select cooling operation mode with the COOL/HEAT selector.
- Press the operation mode selector button several times and select “” (program dry operation).
- Press the on/off button
The operation lamp lights up and the system starts operation.
- Press the air flow direction adjust button. Refer to the chapter “Adjusting the air flow direction” for details.
- Press the on/off button once again.
The operation lamp goes off and the system stops operation.

NOTE

- Do not turn off power immediately after the unit stops, but wait for at least 5 minutes.
- The system needs at least 5 minutes for the residual operation of drain pump. Turning the power off immediately will cause water leak or trouble.

5-3 ADJUSTING THE AIR FLOW DIRECTION (Refer to figure 6)

1 Press the air flow direction button to select the air direction.

The air flow flap display swings as shown on the right and the air flow direction continuously varies. (Automatic swing setting)



2 Press the air flow direction adjust button to select the air direction of your choice.

The air flow flap display stops swinging and the air flow direction is fixed. (Fixed air flow direction setting)



MOVEMENT OF THE AIR FLOW FLAP (Refer to figure 13)

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

COOLING	HEATING
_____	<ul style="list-style-type: none"> • When starting operation. • When the room temperature is higher than the set temperature. • At defrost operation.
<ul style="list-style-type: none"> • When operating continuously at horizontal air flow direction. • When continuous operation with downward air flow is performed at the time of cooling with a ceiling-suspended or a wall-mounted unit, the microcomputer may control the flow direction, and then the remote controller indication also will change. 	

The air flow direction can be adjusted in one of the following ways.

- The air flow flap itself adjusts its position.
- The air flow direction can be fixed by the user.
- Automatic “” and desired position “”.

NOTE

- The movable limit of the flap is changeable. Contact your Daikin dealer for details.
- Avoid operating in the horizontal direction “”. It may cause dew or dust to settle on the ceiling.

5-4 PROGRAMMING START AND STOP OF THE SYSTEM WITH TIMER

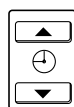
(Refer to figure 9)

- 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 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 time button and set the time for stopping or starting the system.



Each time this button is pressed, the time advances or goes backward by 1 hour.

3 Press the timer on/off button. The timer setting procedure ends. The display “ ◯” or “ |” changes from flashing to lighting.

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.
- Press the timer on/off button once again to cancel programming. The display vanishes.

For example: (Refer to figure 11)

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 start 1 hour later.

5-5 SETTING THE MASTER REMOTE CONTROLLER (Refer to figure 10)

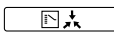
- When the system is installed as shown in figure 14 and 15, it is necessary to designate one of the remote controllers as the master remote controller.

FOR RXYQ SERIES (Refer to figure 14)

When one outdoor unit is connected with several indoor units.


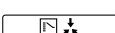

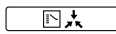
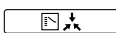
FOR REYQ SERIES (Refer to figure 15)

When one BS unit is connected with several indoor units.

- Only the master remote controller can select heating, cooling or automatic (only REYQ series) operation.
- The displays of slave remote controllers show “” (changeover under control) and they automatically follow the operation mode directed by the master remote controller.

However, it is possible to changeover to program dry operation with slave remote controllers if the system is in cooling operation set by the master remote controller, and to changeover to fan only operation.

How to designate the master remote controller

-  Press the operation mode selector button of the current master remote controller for 4 seconds.
The display showing “” (changeover under control) of all slave remote controllers connected to the same outdoor unit or BS unit flashes.
-  Press the operation mode selector button of the controller that you wish to designate as the master remote controller. Then designation is completed. This remote controller is designated as the master remote controller and the display showing “” (changeover under control) vanishes.
The displays of other remote controllers show “” (changeover under control).

5-6 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 which type of your unit is the following system.

• 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 is individually operated.


— NOTE —

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

6. OPTIMUM OPERATION

Observe the following precautions to ensure the system operates properly.

- Adjust the air outlet properly and avoid direct air flow to room inhabitants.
- Adjust the room temperature properly for a comfortable environment. Avoid excessive heating or cooling.
- Prevent direct sunlight from entering a room during cooling operation by using curtains or blinds.
- Ventilate often.
Extended use requires special attention to ventilation.
- Do not leave doors and windows open. If the doors and windows remain open, air will flow out of your room causing a decrease in the cooling or heating effect.
- Never place objects near the air inlet or the air outlet of the unit. It may cause deterioration in the effect or stop the operation.
- Turn off the main power supply switch to the unit when the unit is not used for longer periods of time. If the switch is on, it uses electricity. Before restarting the unit, turn on the main power supply switch 6 hours before operation to ensure smooth running. (Refer to the chapter “Maintenance” in the indoor unit manual.)

- When the display shows “  ” (time to clean the air filter), ask a qualified service person to clean the filters. (Refer to the chapter “Maintenance” in the operation manual of indoor unit.)
- Keep the indoor unit and remote controller at least 3.5ft. away from televisions, radios, stereos, and other similar equipment.
Failing to do so may cause static or distorted pictures.
- Do not use other heating devices directly beneath the indoor unit.
If you do, they might get deformed by the heat.

7. SEASONAL MAINTENANCE

7-1 AT THE BEGINNING OF THE SEASON

Check

- Are the indoor and outdoor unit intake and outlet vents blocked?
Remove anything that might be blocking them.

Clean the air filter and exterior.

- After cleaning the air filter, be sure to put it back in the same position.
See the operation manual included with the indoor unit for details on how to clean it.

Turn the power on.

- When the power comes on, the characters in the remote controller display appear.
(To protect the unit, turn the power on at least 6 hours before operating it. This makes operation smoother.)

7-2 AT THE END OF THE SEASON

On a clear day, use fan operation for around half a day to thoroughly dry out the interior of the unit.

- Refer to page 8 for details on fan operation.

Turn off the power

- When the power is shut off, the characters in the remote controller display disappear.
- When the power is on, the unit consumes up to several dozen Watts of power.
Turn off the power to conserve energy.

Clean the air filter and exterior.

- After cleaning the air filter, be sure to put it back in the same position.
See the operation manual included with the indoor unit for details on how to clean it.

8. FOLLOWING SYMPTOMS ARE NOT AIR CONDITIONER TROUBLES

8-1 THE SYSTEM DOES NOT OPERATE

- **The air conditioner does not start immediately when restarting or changing the operation mode.**

If the operation lamp lights, the system is in normal condition.

To prevent overloading of the compressor motor, the air conditioner starts 5 minutes after it is turned ON again in case it was turned OFF just before.

- **If “Centralized Control” is displayed on the remote controller and pressing the operation button causes the display to blink for a few seconds.**

This indicates that the central device is controlling the unit.

The blinking display indicates that the remote controller cannot be used.

- **The system does not start immediately after the power supply is turned on.**

Wait 1 minute until the micro computer is prepared for operation.

8-2 IT STOPS SOMETIMES

- **The remote controller display reads “U4” or “U5” and stops but then restarts after a few minutes.**

This is because the remote control is intercepting noise from electrical appliances other than the air conditioner, and this prevents communication between the units, causing them to stop.

Operation automatically restarts when the noise goes away.

8-3 COOL/HEAT CANNOT BE CHANGED OVER

- **When the display shows “  ” (changeover under control).**

It shows that this is a slave remote controller.

Refer to “Setting the master remote controller”.

- **When the COOL/HEAT selector is installed and the display shows “  ” (changeover under control).**

This is because cool/heat changeover is controlled by the COOL/HEAT selector. Ask your Daikin dealer where the remote control switch is installed.

8-4 FAN OPERATION IS POSSIBLE, BUT COOLING AND HEATING DO NOT WORK

- **Immediately after the power is turned on.**
The micro computer is getting ready to operate. Wait 10 minutes.

8-5 THE FAN STRENGTH DOES NOT CORRESPOND TO THE SETTING

- **The fan speed does not change even if the fan speed control button is pressed.**
During heating operation, when the room temperature reaches the set temperature, the outdoor unit goes off and the indoor unit changes to whisper the fan speed.
This is to prevent cold air blowing directly on occupants of the room.
The fan speed will not change even if the button is pressed, when another indoor unit is in heating operation.

8-6 THE FAN DIRECTION DOES NOT CORRESPOND TO THE SETTING

- **The fan direction does not correspond to the remote controller display.**
The fan direction does not swing.
This is because the unit is being controlled by the micro computer. Refer to "Adjusting the air flow direction".

8-7 WHITE MIST COMES OUT OF THE UNIT

Indoor unit

- **When humidity is high during cooling operation.**
If the interior of indoor unit is extremely contaminated, the temperature distribution inside a room becomes uneven. It is necessary to clean the interior of indoor unit. Ask your Daikin dealer for details on cleaning the unit. This operation requires a qualified service person.
- **Immediately after the cooling operation stops when the room temperature and humidity are low.**
This is because warm refrigerant gas flows back into the indoor unit and generates steam.

Indoor unit, outdoor unit

- **When the system is changed over to heating operation after defrost operation.**
Moisture generated by defrost becomes steam and is exhausted.

8-8 NOISE OF AIR CONDITIONERS

Indoor unit

- **A "zeen" sound is heard immediately after the power supply is turned on.**
The electronic expansion valve inside the indoor unit starts working and makes the noise. Its volume will reduce in about 1 minute.
- **A continuous low "shah" sound is heard when the system is in cooling operation or at a stop.**
When the drain pump (an optional accessory) is in operation, this noise is heard.
- **A "pishi-pishi" squeaking sound is heard when the system stops after heating operation.**
Expansion and contraction of plastic parts caused by temperature change make this noise.
- **A low "sah", "choro-choro" sound is heard while the indoor unit is stopped.**
When the other indoor unit is in operation, this noise is heard. In order to prevent oil and refrigerant from remaining in the system, a small amount of refrigerant is kept flowing.

Outdoor unit

- **When the tone of operating noise changes.**
This noise is caused by the change of frequency.

Indoor unit, outdoor unit

- **A continuous low hissing sound is heard when the system is in cooling or defrost operation.**
This is the sound of refrigerant gas flowing through both indoor and outdoor units.
- **A hissing sound which is heard at the start or immediately after stopping operation or defrost operation.**
This is the noise of refrigerant caused by flow stop or flow change.

8-9 DUST COMES OUT OF THE UNIT

- **When the unit is used after stopping for a long time.**
This is because dust has gotten into the unit.

8-10 THE UNITS CAN GIVE OFF ODOURS

- **The unit can absorb the smell of rooms, furniture, cigarettes, etc., and then emit it again.**

8-11 THE OUTDOOR UNIT FAN DOES NOT ROTATE

- **During operation.**
The speed of the fan is controlled in order to optimize product operation.

8-12 THE DISPLAY SHOWS “ 88 ”

- **This is the case immediately after the main power supply switch is turned on and means that the remote controller is in normal condition. This continues for 1 minute.**

8-13 THE COMPRESSOR OR FAN IN THE OUTDOOR UNIT DOES NOT STOP

- **This is to prevent oil and refrigerant from remaining in the compressor. The unit will stop after 5 to 10 minutes.**

8-14 THE INSIDE OF OUTDOOR UNIT IS WARM EVEN WHEN THE UNIT HAS STOPPED

- **This is because the crankcase heater is warming the compressor so that the compressor can start smoothly.**

8-15 IT STOPS SOMETIMES

- **The remote controller display reads “U4” and “U5” and stops but then restarts after a few minutes.**

This is because the remote control is intercepting noise from electrical appliances other than the air conditioner, and this prevents communication between the units, causing them to stop. Operation automatically restarts when the noise goes away.

8-16 HOT AIR IS EMITTED EVEN THOUGH THE UNIT IS STOPPED

- **Hot air can be felt when the unit is stopped.**
Several different indoor units are being run on the same system, so if another unit is running, some refrigerant will still flow through the unit.

8-17 DOES NOT COOL VERY WELL

- **Program dry operation.**
Program dry operation is designed to lower the room temperature as little as possible. Refer to page 9.

9. TROUBLE SHOOTING


If one of the following malfunctions occurs, take the measures shown below and contact your Daikin dealer.

— WARNING —

Stop operation and shut off the power if anything unusual occurs (burning smells, etc.)

Leaving the unit running under such circumstances may cause breakage, electrical shock, or fire.

Contact your dealer.

- If a safety device such as a fuse, a breaker or an earth leakage breaker frequently actuates;
Measure: Do not turn on the main power switch.
- If the ON/OFF switch does not properly work;
Measure: Turn off the main power switch.
- If water leaks from unit;
Measure: Stop the operation.
- The operation mode selector button does not work well.
Turn off the power.
- If the display “  TEST ”, the unit number and the operation lamp flash and the malfunction code appears; **(Refer to figure 12)**
 1. Inspection display
 2. Indoor unit number in which a malfunction occurs
 3. Operation lamp
 4. Malfunction codeMeasure: Notify your Daikin dealer and report the malfunction code.

If the system does not properly operate except for the above mentioned cases and none of the above mentioned malfunctions is evident, investigate the system according to the following procedures.

If it is impossible to fix the problem yourself after checking all the above items, contact your dealer.

Let him know the symptoms, system name, and model name.

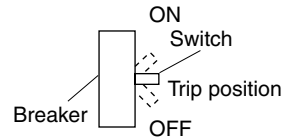
1. If the system does not operate at all;
- Check if there is a power failure.
Wait until power is restored. If power failure occurs during operation, the system automatically restarts immediately after the power supply is recovered.

- Check if a fuse has blown or a breaker has tripped.


Turn off the power supply.

- Is the breaker down?

Turn the power on with the breaker switch in the off position.



Do not turn the power on with the breaker switch in the trip position.

2. If the system goes into fan only operation, but as soon as it goes into heating or cooling operation, the system stops;
 - Check if air inlet or outlet of outdoor or indoor unit is blocked by obstacles.
Remove any obstacle and make it well-ventilated.
 - Check if the remote controller display shows “” (time to clean the air filter). (Refer to the chapter “Maintenance” in the indoor unit manual.)
3. The system operates but cooling or heating is insufficient;
 - Check if air inlet or outlet of outdoor or indoor unit is blocked by obstacles.
Remove any obstacle and make it well-ventilated.
 - Check if the air filter is not clogged. (Refer to the chapter “Maintenance” in the indoor unit manual.)
 - Check the temperature setting.
 - Check the fan speed setting on your remote controller.
 - Check for open doors or windows. Shut doors and windows to prevent wind from coming in.
 - Check if there are too many occupants in the room during cooling operation.
 - Check if the heat source of the room is excessive.
 - Check if direct sunlight enters the room.
Use curtains or blinds.
 - Check if the air flow angle is not proper.

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