

Air Conditioner

MODELS

• Duct Connection type

FDQ16PY1

FDQ20PY1

FDQ16PYL

FDQ20PYL

English

عربي

Thank you for purchasing this Daikin air conditioner.
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 this manual, file it away for future
reference.

شكرا على شرائك مكيف الهواء من دايكين. قم بقراءة دليل التشغيل هذا بعناية قبل استعمال
مكيف الهواء. سيخبرك كيف تقوم باستعمال هذه الوحدة بطريقة صحيحة وسيساعدك عند
حدوث اي مشاكل. بعد قراءة هذا الدليل، احتفظ به بعيدا للرجوع اليه في المستقبل.

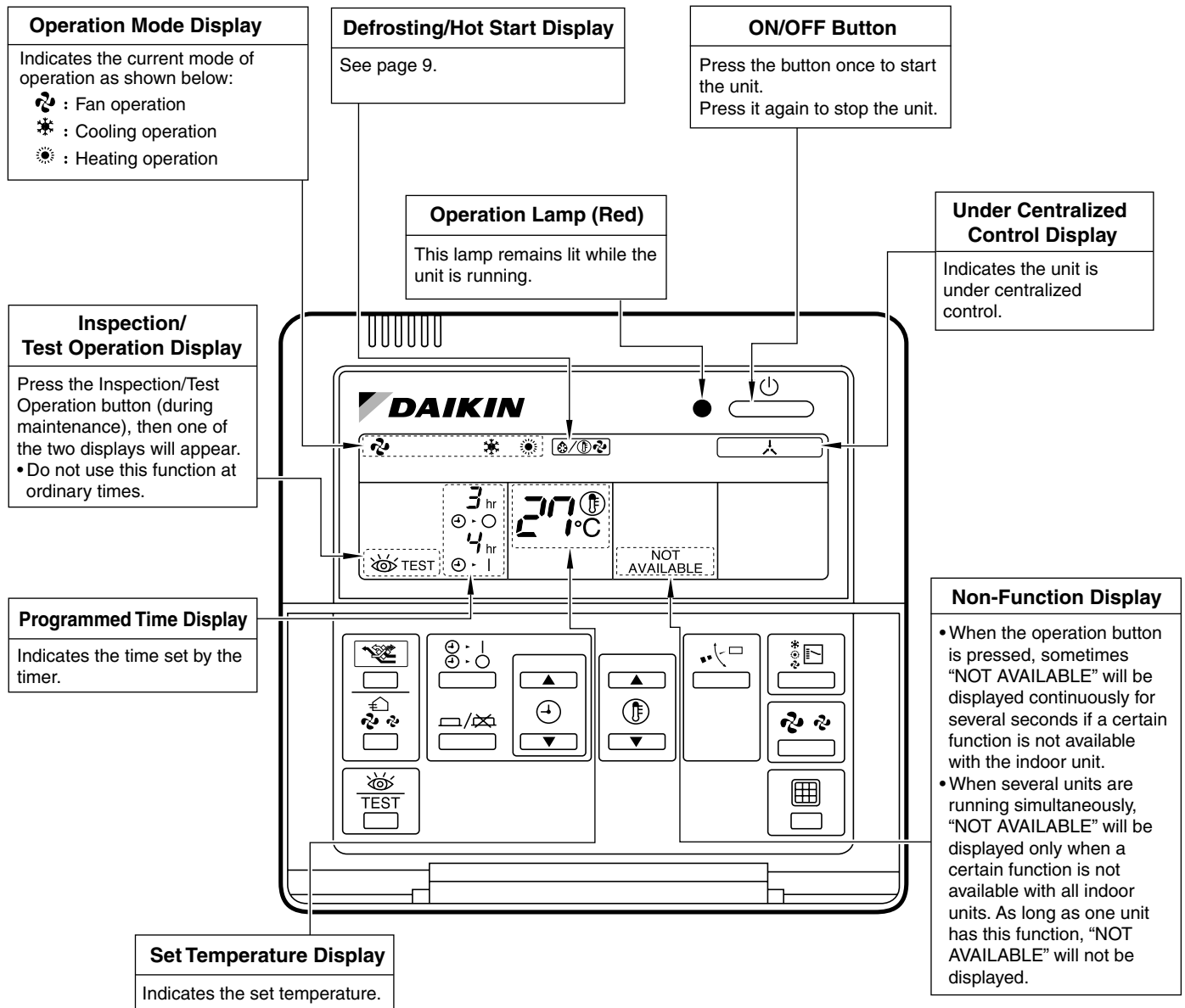
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The operation manual attached to the outdoor unit provides information on the multi-connection of indoor units. Refer to this operation manual in the case of connecting a pair of units of this FDQ-type model.

NAME AND FUNCTIONS OF REMOTE CONTROLLER

- The illustrations in this operating manual correspond to the remote controller format BRC1C type.



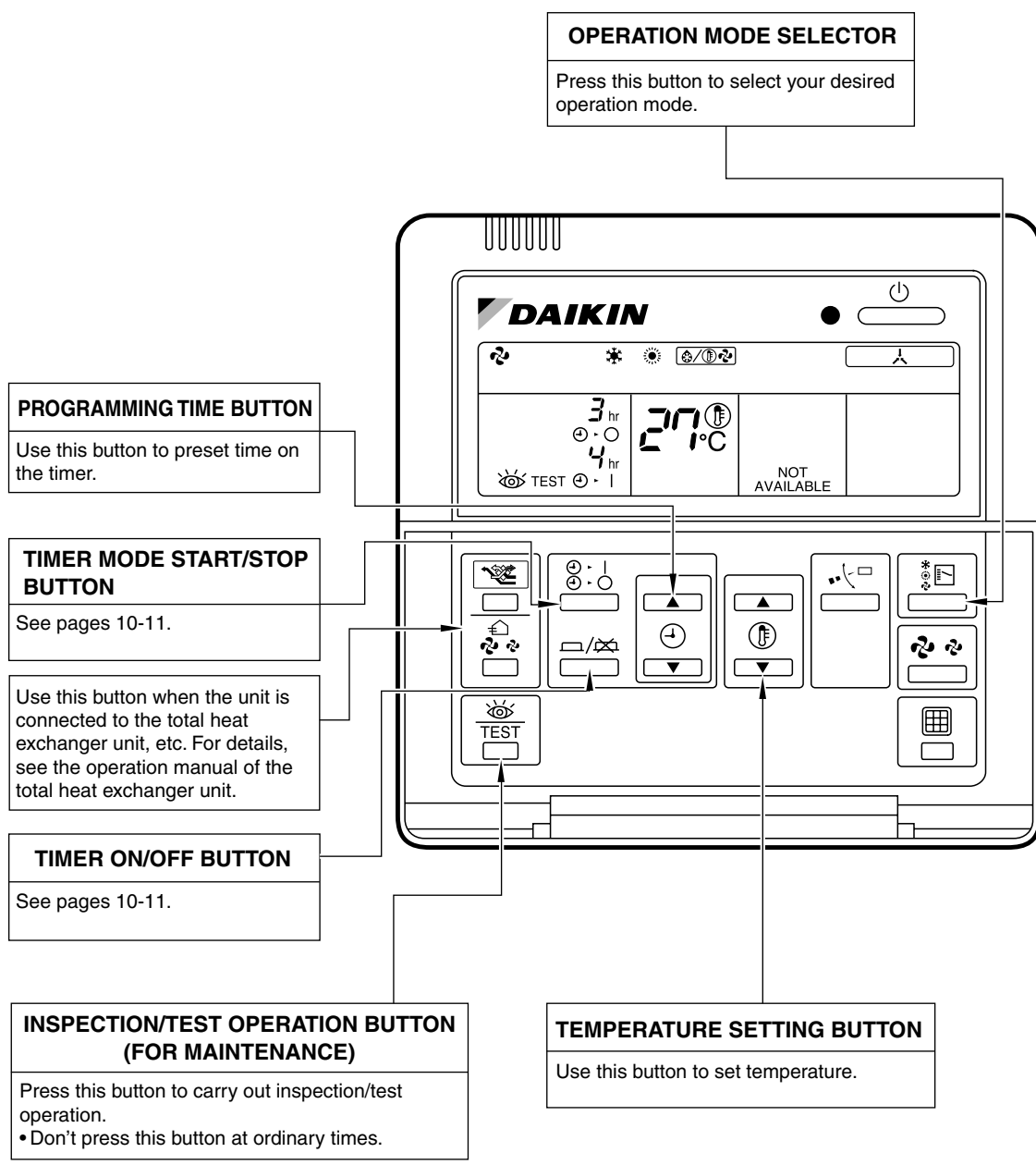
⚠ CAUTION

- Do not drag or twist the wire connecting the remote controller, otherwise a fault may result.
- Do not touch any button of the remote controller with a sharp object; doing so may damage the remote controller or cause a fault.

NOTE

- The above illustration is intended for the explanation of the display and therefore differs from the actual display during operation.

DISPLAY



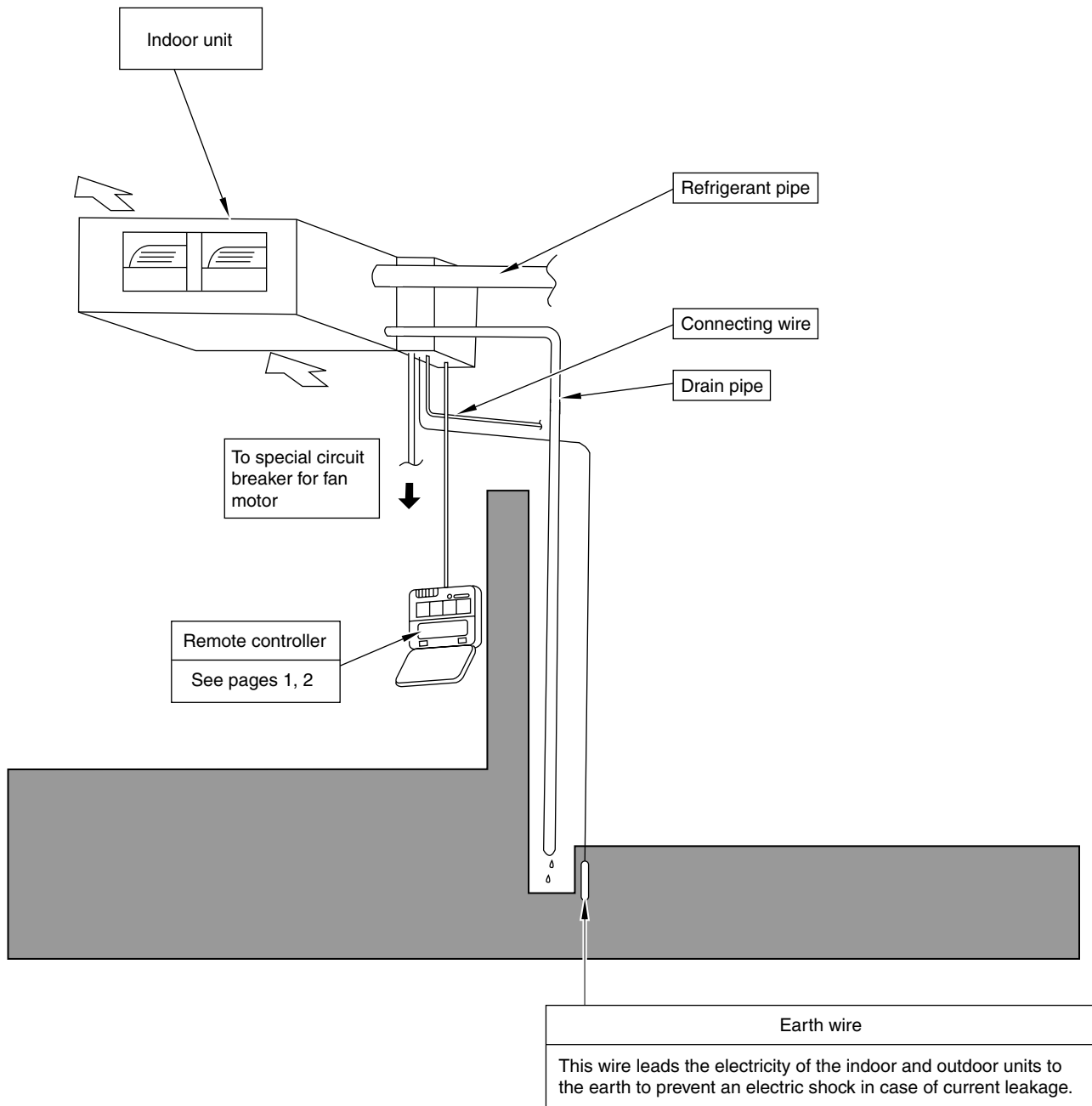
NOTE

- The above figure shows the operation panel when the cover is open.

OPERATION PANEL

NAME AND FUNCTION OF PARTS

- Duct Connection type indoor unit





SAFETY PRECAUTIONS

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.

This air conditioner is classified under "appliances not accessible to the general public".

- **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.

- **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

<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Contact professional personnel about attachment of accessories and be sure to use only accessories specified by the manufacturer. If a defect results from your own workmanship, it may result in water leaks, electric shock or fire.
<ul style="list-style-type: none"> • When the air conditioner is malfunctioning (giving off a burning odour, etc.) turn off power to the unit and contact your local dealer. Continued operation under such circumstances may result in a failure, electric shocks or fire hazards. 	<ul style="list-style-type: none"> • Consult your local dealer regarding relocation and reinstallation of the air conditioner. Improper installation work may result in leakage, electric shocks or fire hazards.
<ul style="list-style-type: none"> • Consult your local dealer about installation work. Doing the work yourself may result in water leakage, electric shocks or fire hazards. 	<ul style="list-style-type: none"> • Be sure to use fuses with the correct ampere reading. Do not use improper fuses, copper or other wires as a substitute, as this may result in electric shock, fire, injury or damage to the unit.
<ul style="list-style-type: none"> • Consult your local dealer regarding modification, repair and maintenance of the air conditioner. Improper workmanship may result in water leakage, electric shocks or fire hazards. 	<ul style="list-style-type: none"> • Be sure to earth the unit. Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead. Imperfect earthing may result in electric shocks or fire. A high surge current from lightning or other sources may cause damage to the air conditioner.
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Be sure to install an earth leakage breaker. Failure to install an earth leakage breaker may result in electric shocks or fire.
<ul style="list-style-type: none"> • Beware of fire in case of refrigerant leakage. If the air conditioner is not operating correctly, i.e. not generating cool or warm air, refrigerant leakage could be the cause. Consult your dealer for assistance. The refrigerant within the air conditioner is safe and normally does not leak. However, in the event of a leakage, contact with a naked burner, heater or cooker may result in generation of noxious gas. Do not longer use the air conditioner until a qualified service person confirms that the leakage has been repaired. 	<ul style="list-style-type: none"> • Consult the dealer if the air conditioner submerges owing to a natural disaster, such as a flood or typhoon. Do not operate the air conditioner in that case, or otherwise a malfunction, electric shock, or fire may result.
<ul style="list-style-type: none"> • Consult your local dealer regarding what to do in case of refrigerant leakage. When the air conditioner is to be installed in a small room, it is necessary to take proper measures so that the amount of any leaked refrigerant does not exceed the concentration limit in the event of a leakage. Otherwise, this may lead to an accident due to oxygen depletion. 	<ul style="list-style-type: none"> • Do not start or stop operating the air conditioner with the power supply breaker turned ON or OFF. Otherwise, fire or water leakage may result. Furthermore, the fan will rotate abruptly if power failure compensation is enabled, which may result in injury.



WARNING

<ul style="list-style-type: none">• Do not use the product in the atmosphere contaminated with oil vapor, such as cooking oil or machine oil vapor. Oil vapor may cause crack damage, electric shocks, or fire.	<ul style="list-style-type: none">• Do not use flammable materials (e.g., hairspray or insecticide) near the product. Do not clean the product with organic solvents such as paint thinner. The use of organic solvents may cause crack damage to the product, electric shocks, or fire.
<ul style="list-style-type: none">• Do not use the product in places with excessive oily smoke, such as cooking rooms, or in places with flammable gas, corrosive gas, or metal dust. Using the product in such places may cause fire or product failures.	<ul style="list-style-type: none">• Be sure to use a dedicated power supply for the air conditioner. The use of any other power supply may cause heat generation, fire, or product failures.



CAUTION

<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• Do not allow a child to mount on the outdoor unit or avoid placing any object on it. Falling or tumbling may result in injury.
<ul style="list-style-type: none">• Do not remove the outdoor unit's fan guard. The guard protects against the unit's high speed fan, which may cause injury.	<ul style="list-style-type: none">• Do not block air inlets nor outlets. Impaired air flow may result in insufficient performance or trouble.
<ul style="list-style-type: none">• Do not place objects that are susceptible to moisture directly beneath the indoor or outdoor units. Under certain conditions, condensation on the main unit or refrigerant pipes, air filter dirt or drain blockage may cause dripping, resulting in fouling or failure of the object concerned.	<ul style="list-style-type: none">• Be sure that children, plants or animals are not exposed directly to airflow from the unit, as adverse effects may ensue.
<ul style="list-style-type: none">• To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.	<ul style="list-style-type: none">• Do not wash the air conditioner with water, as this may result in electric shocks or fire.
<ul style="list-style-type: none">• After prolonged use, check the unit stand and its mounts for damage. If left in a damaged condition, the unit may fall and cause injury.	<ul style="list-style-type: none">• Do not install the air conditioner at any place where there is a danger of flammable gas leakage. In the event of a gas leakage, build-up of gas near the air conditioner may result in fire hazards.
<ul style="list-style-type: none">• Do not place flammable sprays or operate spray containers near the unit as this may result in fire.	<ul style="list-style-type: none">• Do not put flammable containers, such as spray cans, within 1 m from the blow-off mouth. The containers may explode because the warm air output of the indoor or outdoor unit will affect them.
<ul style="list-style-type: none">• Before cleaning, be sure to stop unit operation, turn the breaker off or remove the power cord. Otherwise, an electric shock and injury may result.	<ul style="list-style-type: none">• Arrange the drain hose to ensure smooth drainage. Imperfect drainage may cause wetting.
<ul style="list-style-type: none">• To avoid electric shocks, do not operate with wet hands.	<ul style="list-style-type: none">• The appliance is not intended for use by unattended young children or infirm persons. Impairment of bodily functions and harm to health may result.
<ul style="list-style-type: none">• Do not place appliances that produce naked flames in places exposed to the air flow from the unit as this may impair combustion of the burner.	<ul style="list-style-type: none">• Children should be supervised to ensure that they do not play with the unit or its remote controller. Accidental operation by a child may result in impairment of bodily functions and harm health.
<ul style="list-style-type: none">• Do not place heaters directly below the unit, as resulting heat can cause deformation.	<ul style="list-style-type: none">• Do not let children play on or around the outdoor unit. If they touch the unit carelessly, injury may be caused.

SAFETY PRECAUTIONS



CAUTION

<ul style="list-style-type: none">• Consult your dealer regarding cleaning the inside of the air conditioner. Improper cleaning may cause breakage of plastic parts, water leakage and other damage as well as electric shocks.	<ul style="list-style-type: none">• Never touch the internal parts of the controller. Do not remove the front panel. Touching certain internal parts will cause electric shocks and damage to the unit. Please consult your dealer about checking and adjustment of internal parts.
<ul style="list-style-type: none">• To avoid injury, do not touch the air inlet or aluminium fins of the unit.	<ul style="list-style-type: none">• Do not leave the remote controller wherever there is a risk of wetting. If water gets into the remote controller there is a risk of electrical leakage and damage to electronic components.
<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• Watch your steps at the time of air filter cleaning or inspection. High-place work is required, to which utmost attention must be paid. If the scaffold is unstable, you may fall or topple down, thus causing injury.

INSTALLATION

[About the location to install]

- The unit should be installed at a place with good ventilation and no obstacle.
- Do not use the unit at any of the following locations:
 - a. where mist of such mineral oil as machining oil, etc. is enveloping
 - b. where thick salty mist is enveloping such as seaside area
 - c. where sulfuric gas is enveloping such as hot spring area
 - d. where frequent voltage variation is expected such as factories
 - e. installation on a vehicle or vessel
 - f. where large spray of oil or steam is expected such as a kitchen
 - g. where a machine that generates electromagnetic wave is installed
 - h. where acid or alkali steam is enveloping
- Keep TV, radio, stereo, etc. 1 meter or more apart from the indoor unit, the outdoor unit, electric wires, connecting wires and pipes. Otherwise the image may be blurred or noise may be invited.
- Take proper countermeasures against snow.
- Place the unit so that the outlet vent does not blow air directly on occupants of the room.
- Please install an air filter purchased on site.
Install the unit so that there are no air bypasses other than the filter.

[About electric work]

- A qualification is required for carrying out any electric work or D-type grounding work. Consult with your dealer and do not carry out any electric work by yourself.
- Use dedicated circuit only for the air conditioner.

[Electric wires]

- The air conditioner should be equipped with dedicated electric wires.
- The indoor fan motor and the outdoor unit should be equipped with dedicated electric wires respectively.

[Operation noise]

- Select a location as follows for installation.
 - a. where sufficient load of the air conditioner is secured and the operation noise and vibration do not expand
 - b. where the heated air from the air outlet of the outdoor unit and operation noise do not give any trouble to the neighborhood
- Is there any obstacle around the air outlet of the outdoor unit?
- Consult with your dealer should any abnormal sound be heard when using the unit.
- The unit is not for use where silent operation is required.
Install the unit in a place such as a utility room where noise is not a problem, and connect it with a duct.

[Position of on-site air inlet]

- Consider the air inlet and its surroundings and prevent intake of soot and dust. Greasy dirt within the air conditioner may cause reduced performance and water leakage.

[Drainage piping]

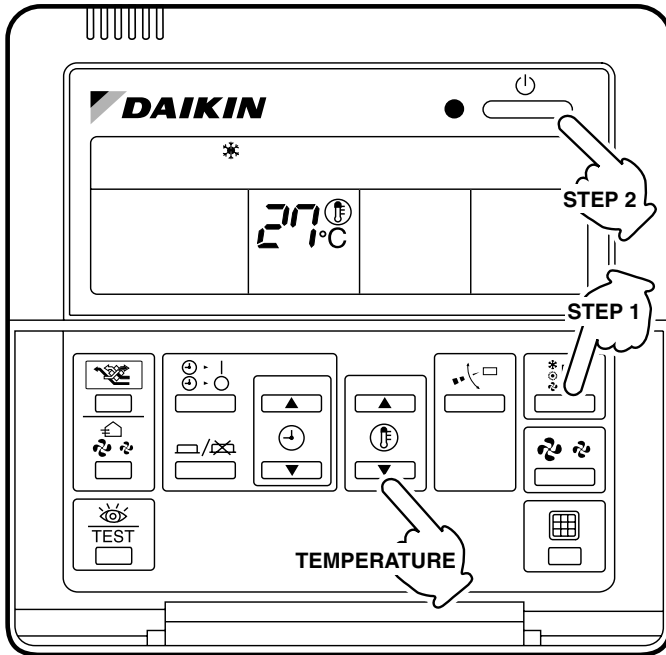
- After installation of drainage piping, please confirm if normal drainage is possible. If bad drainage occurs during cooling operation, it is possible that there is rubbish, dust in the drainage pipes and that the indoor unit is leaking. In that case, please stop running and contact the dealer.

[Air filter]

- The air filter is provided on site and only a filter compatible with the local usage environment should be installed.
- Please avoid any gap with the air inlet during installation.

OPERATION PROCEDURE

“COOLING”, “HEATING” AND “FAN” OPERATION



- The above display is for COOLING OPERATION.

- The illustrations in this operating manual correspond to the remote controller format BRC1C type.
- In the case of using a remote controller other than the BRC1C type one, refer to the operation manual provided to the remote controller.

[SET UP]

- To protect the unit, turn on the main power switch 6 hours before operation.
To ensure that the unit starts smoothly, don't turn off the power on season.

⚠ CAUTION

If the main power supply is turned off during operation, operation will restart automatically after the power turns back on again.

STEP 1

Press button several times and select the OPERATION MODE of your choice from “COOLING”, “HEATING” and “FAN” operation.

STEP 2

Press button.

OPERATION lamp lights up and the system starts OPERATION.

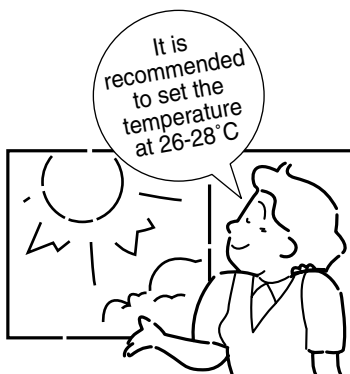
STEP 3

Set temperature

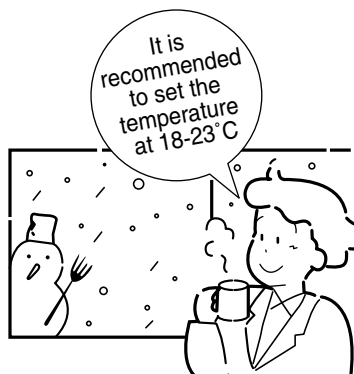
When operating at the beginning of a certain season or when changing the setting, operate as desired in accordance with the instructions on the following item.

OPERATION MODE

COOLING




HEATING



FAN

Circulates air in the room.

• **TEMPERATURE**

Press  button.


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

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

NOTE

The setting is impossible for fan operation.

• **STOP OPERATION**

Press  button.

OPERATION lamp goes off and the air conditioner stops operation.

 **CAUTION**

Do not turn off the power supply immediately after the operation is stopped. Make sure to wait for 5 minutes or more to avoid water leakage and malfunction.

OPERATION RANGE

If the temperature or the humidity is beyond the following conditions, safety devices may work and the air conditioner may not operate, or sometimes water may drop from the indoor unit.


• **INDOOR UNIT**

MODE	Indoor Temperature	Indoor Humidity	SETTING TEMPERATURE RANGE
Cooling	21~32°C	80% or below	15~32°C
Heating	15~27°C	—	15~32°C

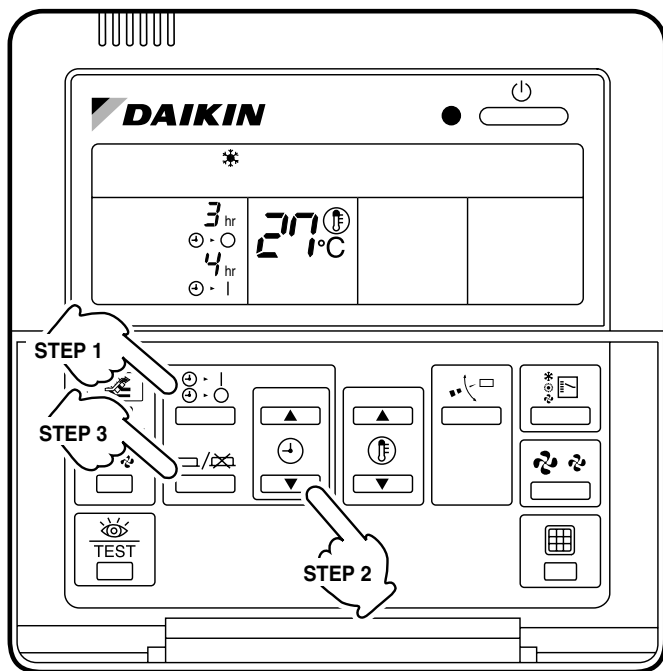
Characteristic of the heating operation

DEFROST OPERATION

Outdoor Temperature and Heating Capacity

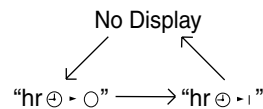
- As the frost on the coil of an outdoor unit increases, heating effect decreases and the system automatically goes into DEFROST OPERATION.
- The hot air stops, and the remote controller display shows “” (DEFROST/HOT START).
- After 6 to 8 minutes (maximum 10 minutes) of DEFROST OPERATION, the system returns to HEATING OPERATION.
- The heating capacity declines along with the decrease of outdoor temperature. In that case, please use the air conditioner concurrently with another heater.
- This air conditioner belongs to the hot-air circulating type and therefore it may take some time for the indoor temperature to go up.
- If the hot air can not reach your feet, please use the circulator (indoor circulating fan). Please contact the dealer for details.

HOW TO OPERATE THE TIMER



STEP 1

Press button, and select “hr ⊕ - ○” (timer off) or “hr ⊕ - 1” (timer on). Pressing the button changes the display as follows:



STEP 2

Press button, and set the time you want.

- ▲ When this button is pressed, the time advances by 1 hour.
- ▼ When this button is pressed, the time goes backward by 1 hour.

NOTE

The timer can be programmed a maximum of 72 hours.

STEP 3

Press button.
The timer setting is completed.
“hr ⊕ - ○” or “hr ⊕ - 1” display changes from flashing to on.

NOTE

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

- The above display indicates “AFTER 3 HOURS CUT OFF” and “AFTER 4 HOURS TURN ON”.

- The illustrations in this operating manual correspond to the remote controller format BRC1C type.
- In the case of using a remote controller other than the BRC1C type one, refer to the operation manual provided to the remote controller.

To cancel program timer **CANCEL**

Press button again, and the display disappears.

OPERATION MODE

When you want to start the system after a time you desire elapses:

Example If you adjust the time ⊕ - 1 to “8”.



It indicates “8 hr (⊕ - 1)”.
After 8 hours from making a reservation, the operation starts.
After the operation starts, the reservation is cancelled.

When you want to stop the system after operating it for a time you desire:

Example If you adjust the time ⊕ - ○ to “8”.



It indicates “8 hr (⊕ - ○)”.
After 8 hours from making a reservation, the operation stops.
After the operation stops, the reservation is cancelled.


When you want to make a reservation of “hr(⊕ - ○)” and “hr(⊕ - 1)” simultaneously.


- Operate the controller referring to the following example.


Example Stop the system after 3 hours and then start the system after one hour.


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
Set to “AFTER 3 HOURS CUT OFF” and “AFTER 4 HOURS TURN ON”.


STEP 1 Press  button, and select “hr (⊕ - ○)”.

STEP 2 Press  button, and set “ 3 ”.

STEP 3 Press  button, and set “ 3 hr (⊕ - ○)”.

STEP 4 Next, press  button, and select “hr (⊕ - 1)”.

STEP 5 Press  button, and set “ 4 ”.

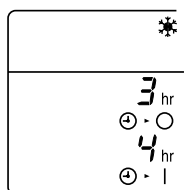
STEP 6 Press  button, and set “ 4 hr (⊕ - 1)”.

Simultaneity has been completed.

When “AFTER HOURS CUT OFF” and “AFTER HOURS TURN ON” are reserved simultaneously:

- As soon as the reservation is completed, it starts counting the remaining time.

Example



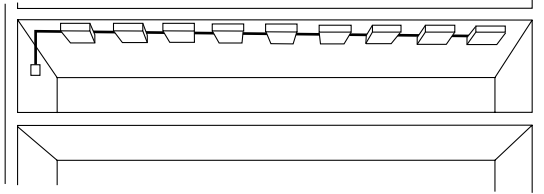
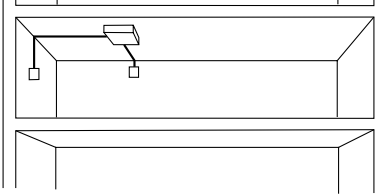
- When the timer is programmed as 3 hr (⊕ - ○) and 4 hr (⊕ - 1) ,



The system will stop after 3 hours and then restart 1 hour later.



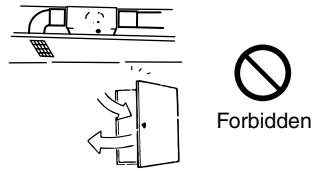

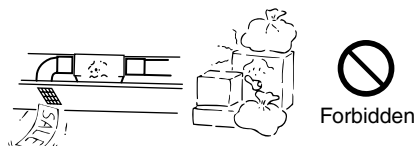
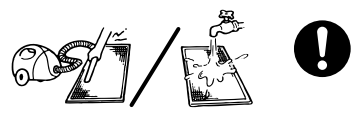
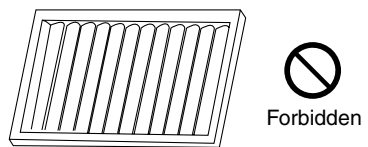



IN CASE OF MULTI-UNIT OPERATION

MULTI-INDOOR UNIT OPERATION SYSTEM

GROUP CONTROL SYSTEM	TWO REMOTE CONTROLLER SYSTEMS
<ul style="list-style-type: none">• 1 remote controller controls up to 16 indoor units.• All indoor units are equally set. 	<p>2 remote controllers control one indoor unit (In case of group control system, one group of indoor units).</p> 

- Contact your Daikin dealer to change the combination or set of group control and two remote controller systems.
- Do not change settings for group control or combinations for control using 2 remote controllers by yourself. Contact your Daikin dealer.

USEFUL INFORMATION FOR OPTIMUM OPERATION

<ul style="list-style-type: none"> • Hang a curtain or a window shade on the window. To prevent direct rays of sun and a draft. 	<ul style="list-style-type: none"> • Do not install the remote controller in direct sunlight. Otherwise this may cause discoloration or deformation. 
<ul style="list-style-type: none"> • Do not leave the door or window open. Operational efficiency becomes poor. 	<ul style="list-style-type: none"> • Effective use of timer operation. It can take a while for the outlet air temperature to reach the set temperature. Use the timer to start the unit running ahead of time. 
<ul style="list-style-type: none"> • Do not put anything nearby the air outlet and air inlet. Otherwise the capacity may deteriorate or the operation may stop. 	<ul style="list-style-type: none"> • Clean the air filter often. If you continue to use the unit with dirty air-filter, deterioration of capacity or trouble may be invited. See page 17. 
<ul style="list-style-type: none"> • Do not prevent the air from blowing out by keeping the flaps of the discharge grille horizontal. Otherwise the air will not blow out and trouble may be invited. 	<ul style="list-style-type: none"> • Cut OFF the power when you do not use the unit for a long period. If power is kept ON, several Watt - several tens of Watt will be consumed. But when you restart operation of the unit, please apply the power to the unit 6 hours or more in advance of restarting without fail. This is required for protecting the unit. 
<ul style="list-style-type: none"> • Do not install the remote controller in locations where the temperature may exceed 0-35°C or the humidity RH40-80%. Otherwise this may cause malfunctions. 	<ul style="list-style-type: none"> • Keep TV, radio, stereo, etc. 1 meter or more apart from the indoor unit or remote controller. Otherwise the image may be blurred or noise may be invited. 


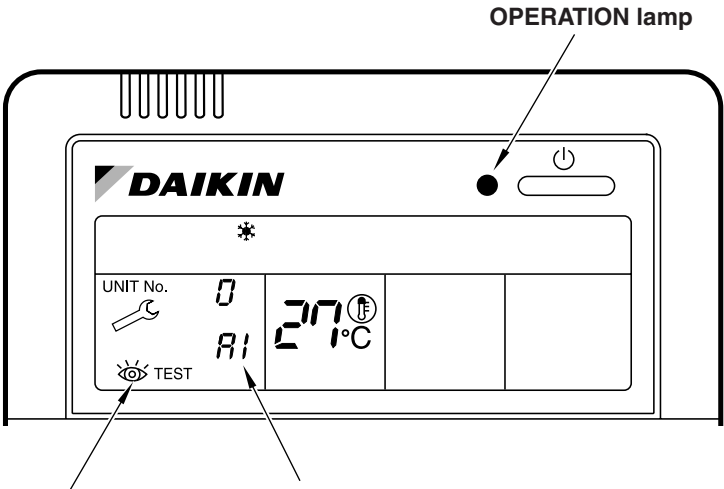
TROUBLE SHOOTING

If one of the following malfunctions occurs, contact your Daikin dealer.



WARNING

- When the air conditioner is in abnormal conditions (smell of something burning, etc.), unplug the power cord from the outlet, and contact your dealer.
Continued operation under such circumstances may result in a failure, electric shock, and fire.

Symptoms	After taking the following measures, contact your Daikin dealer.
If a safety device such as a fuse, a breaker, or an earth leakage breaker frequently actuates, or ON/OFF switch does not properly work.	Turn off the main power switch.
If water leaks from unit.	Stop the operation.
<p>If the display “” (INSPECTION), “UNIT No.”, and the OPERATION lamp flash and the “MALFUNCTION CODE” appears.</p>  <p>The diagram shows a Daikin remote control display. At the top, it says 'DAIKIN'. Below that is a power button labeled 'OPERATION lamp'. The display shows an asterisk (*), 'UNIT No. 0', a wrench icon, 'R1', and '27.1°C'. An eye icon is shown next to 'TEST'. Labels with arrows point to the eye icon (INSPECTION display), the 'R1' code (MALFUNCTION CODE), and the power button (OPERATION lamp).</p>	Report to the dealer on contents displayed on the remote controller.


CHECK THE FOLLOWING BEFORE REQUESTING SERVICE

MALFUNCTIONS	CAUSES	TROUBLE SHOOTING
The system does not work at all.	Blown fuse or open breaker.	Replace the fuse or close the breaker.
	Power interruption.	Operation will restart automatically after power turns back again.
The system runs momentarily then stops.	Blocked air inlet or air outlet of the indoor or outdoor unit.	Remove the obstacle.
	The air filter is clogged.	Clean the air filter. See page 17.
	The air outlet or inlet is closed too much.	Adjust air outlet in order to have sufficient air.
Cooling/Heating effect is poor.	Blocked air inlet or air outlet of the indoor or outdoor unit.	Remove the obstacle.
	The air filter is clogged.	Clean the air filter. See page 17.
	Improper temperature setting.	See page 9.
	Improper air flow direction.	See page 13.
	Window or door open.	Close.
	[Cooling] Direct sunshine.	Provide windows with curtains or blinds.
	[Cooling] Too many people in the room.	
	[Cooling] Too much heat in the room.	

NOTE

- If failing to identify the causes after checking the above items, contact your dealer and specify the symptoms and the model.

NOT MALFUNCTION OF THE AIR CONDITIONER

MALFUNCTIONS		CAUSES
The system does not operate.	The system does not restart immediately after the ON/OFF button is pressed.	The system is in its normal operating condition when the operation lamp on the remote controller is on. It does not restart immediately because the safety device is protecting the system. The system will turn on again automatically after three minutes.
	The system does not restart immediately after the TEMPERATURE SETTING button is turned to its former position after pushing.	
	The system does not start when the display show “  ” and it flashes for a few seconds after pressing an operation button.	This is because the system is under centralized control. Flashes on the display indicate that the system cannot be controlled by the remote controller.
	The system does not start immediately after the power supply is turned on.	Wait 1 minute until the micro computer is prepared for operation.
White mist comes out of a unit.	When humidity is high during COOLING OPERATION (in oily or dusty places).	If the inside of an indoor unit is extremely contaminated, the temperature distribution inside a room becomes uneven. (*1)
	When the system is changed over to HEATING OPERATION after DEFROST OPERATION.	Moisture generated by DEFROST becomes steam and exists.
Outdoor unit turns heated.	During the shutdown period.	The compressor is pre-heating so that the air conditioner can start smoothly.
Noise of air conditioners.	The noise “Zeeen” which is generated immediately after the start of operation.	This kind of noise occurs after the operation of the temperature controller. The sound will be reduced in about a minute.
	A continuous flow “Shuh” sound is heard when the system is in COOLING or DEFROST OPERATION.	This is a sound generated when the gas (refrigerant) is being flowed into each indoor unit and outdoor unit.
	A “Shuh” sound which is heard at the start or immediately after the stop of operation or which is heard at the start or immediately after the stop of DEFROST OPERATION.	This is the noise of refrigerant caused by flow stop and flow change.
Dust from the units.	Dust may blow out from the unit after starting operation from long resting time.	Dust absorbed by the indoor unit blows out.
The units give off odors.	During operation.	This is because that the smell of outdoor unit or cigarettes odor stuck to inner part of the indoor unit is being blown out.
The remote controller shows “88”.	It happens immediately after the main power supply switch is turned on.	This shows that the remote controller is in inspection condition. It is an instantaneous indication.

NOTE

*1 Cleaning of the inner part of the indoor unit is necessary. As special technique is required for such cleaning, please consult with your dealer.

MAINTENANCE

CAUTION

- **To clean the air conditioner, stop operation, and switch off the power.**

Otherwise, an electric shock may result.



- **Do not wash the air conditioner with water.**

An electric shock may result.



- **Be careful of your footing.**

Caution must be taken since you must work at an elevated spot.



NOTE

- Do not remove the air filter except when cleaning, which may cause malfunction.
(An air filter is not equipped on this unit as a standard accessory.)

MAINTENANCE (FOR SERVICE PERSONNEL)

ONLY A QUALIFIED SERVICE PERSON IS ALLOWED TO PERFORM MAINTENANCE.

CAUTION

- Before obtaining access to terminal devices, all power supply circuits must be interrupted.
- To clean the air conditioner, be sure to stop operation, and turn the power switch off. Otherwise, an electric shock and injury may result.
- Do not wash the air conditioner with water. Doing so may result in an electric shock.
- Be careful with a scaffold or staging. Caution must be exercised because of work at a high place.

ADJUSTING THE FAN BELT

- The fan belt must be checked regularly and replaced when needed.
- Specialized techniques are required for inspecting the unit, so contact your dealer.

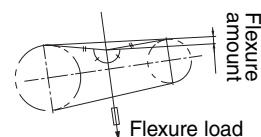
* Checking the Fan Belt:

- (1) Shut off the power source (for both the indoor and outdoor unit).
- (2) Turn the breaker in the control box off.

- (3) Remove the service lid.
The fan belt should be visible.

- (4) The V-belt tension should be set so that the flexure load is within the following range at the appropriate flexure amount (4 mm).

Flexure load (N)
27.2~37.2



Note: Adjust to the appropriate tension shown in the above figure after giving the belt between 24 and 28 hours of operation to get used to the pulley.

- (5) If the number of hours a day the unit is operated is high, the belt should be checked not just at the beginning of the season but after around 2000 hours of operation (i.e., every three or four months for 24-hours-a-day operation).
- (6) Be sure to turn the breaker in the control box back on after checking the belt.

NOTE

- Do not use gasoline, benzene, thinner, polishing powder, liquid insecticide. It may cause discoloring or warping.
- Do not let the indoor unit get wet. It may cause short circuit, electric shock or fire.

HOW TO CLEAN THE AIR OUTLET:

- Clean in accordance with the outlet vent specifications.

DAILY MAINTENANCE

Cleaning the air filter

CAUTION

- Removing the air filter except when cleaning the air conditioner may result in accidents.
- Just before the cold or hot season, be sure to clean up the air filter. (Dirt and dust caught in the air filter can cause a drop in air flow, which then lead to a decline in performance)
- Clean the filter more often when the unit is used in a very dusty place.

CAUTION

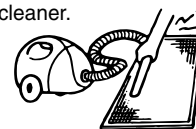
- Do not use hot water of 50°C or higher, as doing so may result in dislocation or deformation.
- Never dry the filter by direct firing. Doing so may result in burning.

NOTE)

Air filter is field provided. The above maintenance method is a common example, please follow operation manual of the air filter for the details.

Use a vacuum cleaner (A) or wash the air filter (B) to remove dust and trash.

- (A) Remove dust and trash using a vacuum cleaner.



- (B) Wash it with water.

When the air filter is very dirty, use a soft brush and neutral detergent.



Dewater and dry in the shade.



NOTE)

Heat exchanger cleaning is required in case product is used in factory or kitchen. Dirty heat exchanger may cause functional decline or water leakage. Ask your Daikin dealer for the details.

Cleaning the air outlet, grille and exterior

CAUTION

- Do not use gasoline, benzene, thinner, polishing powder or liquid insecticide.
 - Do not use hot water of 50°C or higher, doing so may result in discoloration or deformation.
-
- Wipe with dry soft cloth.
 - When it is difficult to remove stains, use water or neutral detergent.

MAINTENANCE AT STARTING/ENDING OF THE SEASON

STARTING OF THE SEASON

1. Check the following points:

- Is the air inlet or air outlet of the indoor/outdoor unit free from any obstacles?
- Is the grounding wire securely fixed?
No breaking of the grounding wire?
If you find any unusual point, please consult with your dealer.

2. Ask a professional maintenance staff to clean the air filter and exterior.

- After cleaning the air filter, be sure to put it back in the same position.

3. Apply power.

- When power is applied, the letters on the display unit of remote controller will be displayed.
(In order to protect the unit, apply power to the unit 6 hours or more before starting operation. In this way, smooth start of operation is secured.)

ENDING OF THE SEASON

1. On a clear day, continue FAN OPERATION for about half a day and let the inner part dry up.

- For details of FAN OPERATION, see page 8-9.

2. Cut OFF the power.

- If power is kept ON, several Watt - several tens of Watt will be consumed.
Please cut OFF the power for saving energy.
- When the power is OFF, the letters on the display unit of remote controller will disappear.

3. Ask a professional maintenance staff to clean the air filter and exterior.

- After cleaning the air filter, be sure to put it back in the same position.
- See page 17 for details on cleaning.

AFTER-SALES SERVICE AND WARRANTY



WARNING

- **Ask your dealer for repair.**

Incomplete repair may cause a water leakage, electric shock or fire.

- **Do not remove or reinstall the unit by yourself. Contact your dealer.**

Incorrect installation may cause a water leakage, electric shock or fire.

- **Provide the following details when requesting for repair:**

- Model name of air conditioner
- Serial number and installation date
- Malfunction: Describe in detail.
- Name, address, telephone number

- **Repair after the warranty term is expired**

Contact your dealer. Pay service will be provided if repair is possible.

- **Minimum storage period of important parts**

Even after a certain type of air conditioner is discontinued, we have the related important parts in stock for 9 years at least. The important parts indicate parts essential to operate the air conditioner.

- **Recommendations for maintenance and inspection**

Since dust collects after using the unit for several years, the performance will be deteriorated to some extent. Technical expertise is required to remove and clean the internal parts, so we recommend entering a maintenance and inspection contract (at a cost) separate from normal maintenance.

- **Where to call**

For after-sales service, etc., consult with your dealer.

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