

DAIKIN

DAIKIN ROOM AIR CONDITIONER

OPERATION MANUAL



INVERTER

Enjoy year-round comfort.

MODELS

**CDXP25RVMA
CDXP35RVMA
CDXM25RVMA
CDXM35RVMA
CDXM50RVMA
CDXM60RVMA
CDXM71RVMA**

Contents

■ Read Before Operation

Safety Precautions..... 1
 Names of Parts 3

■ Multi Connection

Note for Multi System 5

■ Care

Care and Cleaning..... 7

■ When the Need Arises

Troubleshooting 9

Safety Precautions



Read the precautions in this manual carefully before operating the unit.



This appliance is filled with R32.

- Keep this manual where the user can easily find it.
- 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 follow these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.



Never attempt.



Be sure to follow the instructions.



Be sure to establish an earth connection.

- 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



- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance must be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odour.
- The appliance must be installed, operated and stored in a room with a floor area larger than 12.4m². Maintain an installation height of 2.5m or more from the floor surface to the bottom of the appliance. If the size of the room where the appliance is to be installed has less than the indicated minimum floor area, install it in a well ventilated room.
- To avoid fire, explosion or injury, do not operate the unit when harmful gases (e.g. flammable or corrosive) are detected near the unit.
- 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.
- Do not place objects, including rods, your fingers, etc., in the air inlet or outlet. Product damage or personal injury may result due to contact with the air conditioner's high-speed fan blades.
- Do not attempt to repair, dismantle, reinstall or modify the air conditioner yourself as this may result in water leakage, electric shock or fire hazards.
- Do not use flammable spray near the air conditioner, or otherwise fire may result.
- Do not use a refrigerant other than the one indicated on the outdoor unit (R32) when installing, moving or repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.
- To avoid electric shock, do not operate with wet hands.

Safety Precautions

WARNING



- 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 use the air conditioner until a qualified service person confirms that the leakage has been repaired.
- 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.
- If 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 shock or fire hazards.
- Be sure to install an earth leakage circuit breaker. Failure to install an earth leakage circuit breaker may result in electric shock or fire.



- 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 shock.

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.
- Do not expose plants or animals directly to the airflow from the unit as this may cause adverse effects.
- Do not place appliances that produce naked flames in places exposed to the airflow from the unit as this may impair combustion of the burner.
- Do not block the air inlets nor outlets. Impaired airflow may result in insufficient performance or trouble.
- Do not sit on the outdoor unit, put things on the unit, or pull the unit. Doing so may cause accidents, such as falling or toppling down, thus resulting in injury, product malfunctioning, or product damage.
- 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.
- After prolonged use, check the unit stand and its mounts for damage. If they are left in a damaged condition, the unit may fall and cause injury.
- To avoid injury, do not touch the air inlet or aluminium fins of the indoor or outdoor units.
- The appliance is not intended for use by unattended young children or infirm persons. Impairment of bodily functions and harm to health may result.
- 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.
- Avoid impacts to the indoor and outdoor units, or otherwise product damage may result.
- Do not place flammable items, such as spray cans, within 1m of the air outlet. The spray cans may explode as a result of hot air from the indoor or outdoor units.
- Be careful not to let pets urinate on the air conditioner. Urination on the air conditioner may result in electric shock or fire.
- Do not wash the air conditioner with water, as this may result in electric shock or fire.
- Do not place water containers (vases, etc.) above the unit, as this may result in electric shock or fire hazards if they should topple over.
- Do not insert the batteries in the wrong polarity (+/-) orientation as this may result in short circuiting, fire, or battery leakage.



- To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Before cleaning, be sure to stop unit operation and turn off the circuit breaker. Otherwise, an electric shock and injury may result.
- Only connect the air conditioner to the specified power supply circuit. Power supplies other than the one specified may result in electric shock, overheating and fires.
- Arrange the drain hose to ensure smooth drainage. Imperfect drainage may cause wetting of the building, furniture, etc.
- 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 inside the unit, such animals can cause malfunctions, smoke or fire if they come into contact with electrical parts.
- Do not place objects around the indoor unit. Doing so may have an adverse influence on the performance, product quality, and life of the air conditioner.
- This appliance is not intended to be used by persons with reduced physical, sensory or mental capabilities, or with lack of operation knowledge, unless they have been given supervision or instruction concerning the appliance use by person responsible for their safety. Keep out of children's reach to ensure that they do not play with the appliance.
- For care and cleaning, call service personnel.

This is an appliance that is not accessible to the general public.

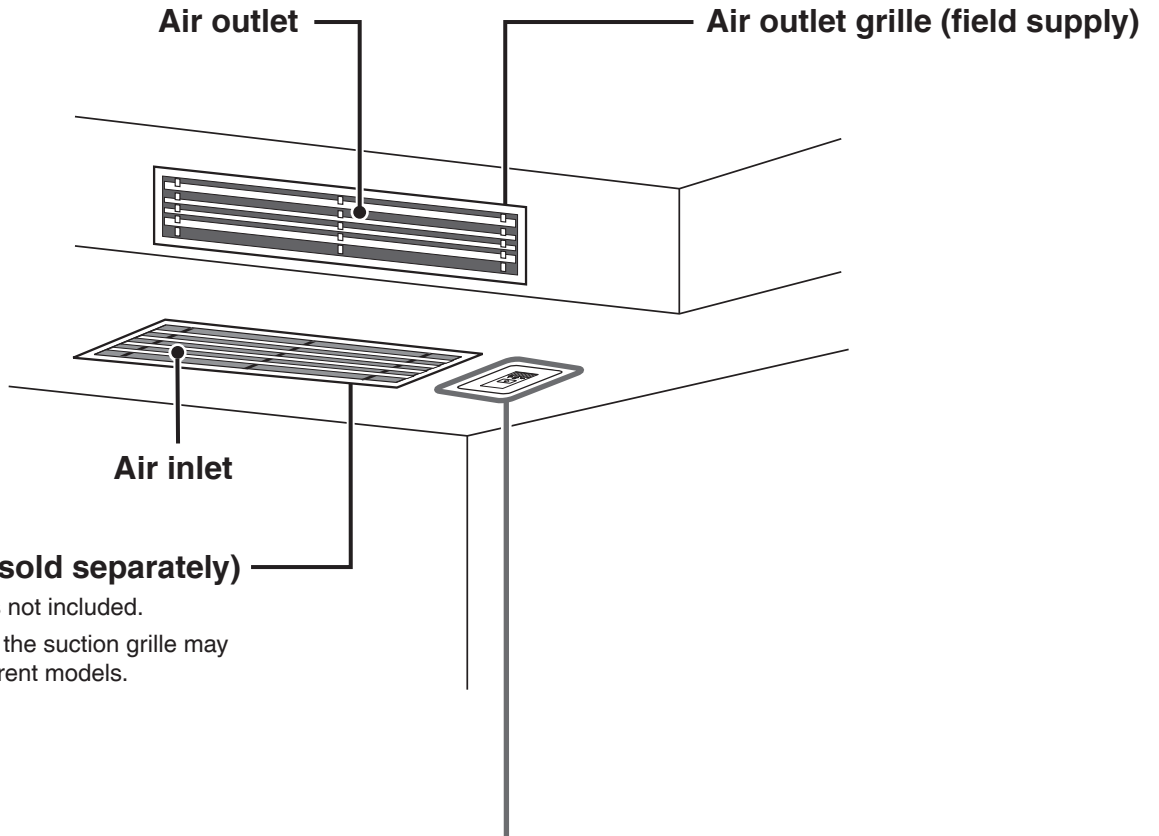
FTP008

Precautions relating to area surrounding the indoor and outdoor units

- Be sure to follow the instructions below.
 - The indoor unit is at least 1m away from any television or radio set (unit may cause interference with the picture or sound).
 - Refrain from using the units in areas prone to high levels of oily smoke, such as a kitchen. Water leakage may result.

Names of Parts

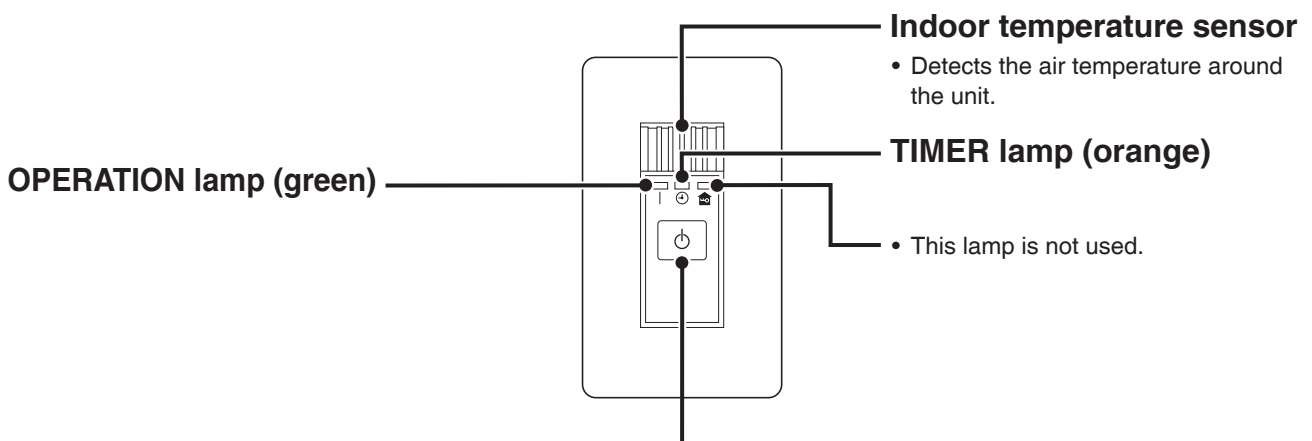
Indoor Unit



Suction grille (sold separately)

- The suction grille is not included.
- The appearance of the suction grille may differ between different models.

Receiver



Indoor unit ON/OFF switch

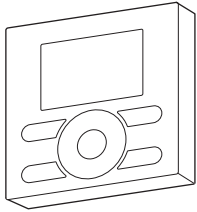
- Press this switch once to start operation. Press once again to stop it.
- For the operation mode setting, refer to the following table.

Model	Mode	Temperature setting	Airflow rate
HEAT PUMP	AUTO	25°C	AUTO
COOLING ONLY	COOL	22°C	AUTO

- This switch can be used when the remote controller is missing.

Remote controller

Wired remote controller



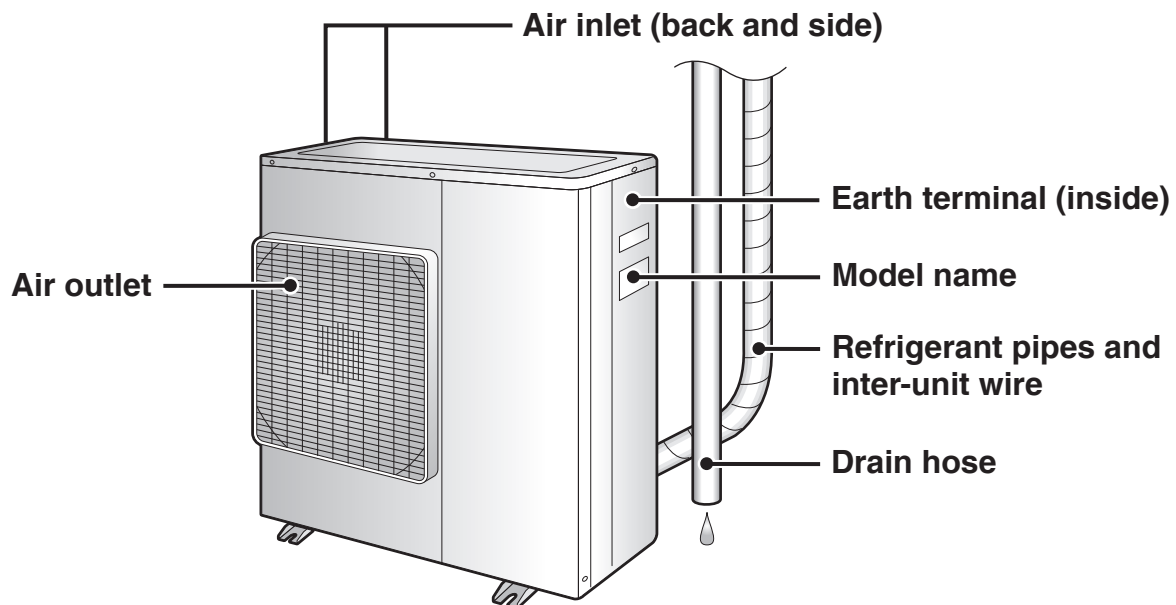
Wireless remote controller



- For details on remote controller operation, refer to the operation manual included with the remote controller.

Outdoor Unit

- The appearance of the outdoor unit may differ between different models.



Note for Multi System

A multi system has one outdoor unit connected to multiple indoor units.

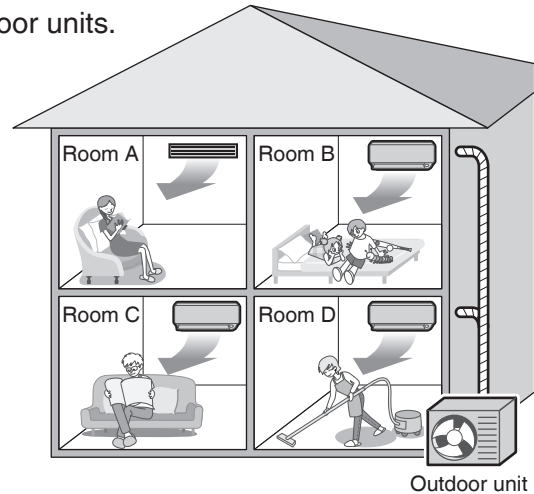
Selecting the operation mode

When the priority room setting is active but the set unit is not operating or when the priority room setting is inactive

When more than one indoor unit is operating, priority is given to the first unit that was turned on.

In this case, set the units that are turned on later to the same operation mode as the first unit.

Otherwise, they will enter the standby state, and the OPERATION lamp will blink; this does not indicate malfunction.



NOTE

Notes on operation mode for a multi system

- COOL, DRY and FAN operation may be used at the same time.
- AUTO operation automatically selects COOL operation or HEAT operation based on the indoor temperature. Therefore, AUTO operation is available when selecting the same operation mode as that of the room with the first unit to be turned on.

CAUTION

- Normally, the operation mode in the room where the unit is first started is given priority, but the following situations are exceptions to this rule. If the operation mode of the first room is FAN operation, then using HEAT operation in any room after this will give priority to HEAT operation. In this situation, the indoor unit operating in FAN mode will switch to standby, and the OPERATION lamp will blink.

With the priority room setting active

Refer to "Priority room setting" on the next page.

NIGHT QUIET mode (Available only for COOL operation)

NIGHT QUIET mode requires initial programming during installation. Please consult your retailer or dealer for assistance.

NIGHT QUIET mode reduces the operation noise of the outdoor unit during the night-time hours to prevent annoyance to neighbours.

- NIGHT QUIET mode is activated when the temperature drops 6°C or more below the highest temperature recorded that day. When the temperature difference between the current outdoor temperature and the maximum outdoor temperature becomes less than 4°C, this function will be cancelled.
- NIGHT QUIET mode slightly reduces the cooling efficiency of the unit.

OUTDOOR UNIT QUIET operation

For details on OUTDOOR UNIT QUIET operation, refer to the operation manual included with the remote controller.

When the priority room setting is active but the set unit is not operating or when the priority room setting is inactive

When using the OUTDOOR UNIT QUIET operation feature with a multi system, set all indoor units to OUTDOOR UNIT QUIET operation using their remote controllers.

When cancelling OUTDOOR UNIT QUIET operation, simply cancel the mode on one of the operating indoor units using their remote controller.

However OUTDOOR UNIT QUIET operation will remain displayed on the remote controllers for the other rooms.

We recommend you cancel operation in all rooms using their remote controllers.

With the priority room setting active

Refer to "Priority room setting" on the next page.

COOL/HEAT mode lock

The COOL/HEAT mode lock requires initial programming during installation. Please consult your authorized dealer for assistance. The COOL/HEAT mode lock sets the unit forcibly to either COOL or HEAT operation. This function is convenient when you wish to set all indoor units connected to the multi system to the same operation mode.

NOTE

- The COOL/HEAT mode lock cannot be activated together with the priority room setting.

Priority room setting

The priority room setting requires initial programming during installation. Please consult your authorized dealer for assistance. The room designated as the priority room takes priority in the following situations.

Operation mode priority

- As the operation mode of the priority room takes precedence, you can select a different operation mode from other rooms.

[Example]

- Room A is the priority room in this example.
When COOL operation is selected in room A while operating the following modes in room B, C and D:

Operation mode in room B, C and D	Status of room B, C and D when the unit in room A is in COOL operation
COOL or DRY or FAN	The current operation mode is maintained.
HEAT	The unit enters the standby mode. Operation resumes when the room A unit stops operating.
AUTO	If the unit is set to COOL operation, it continues. If the unit is set to HEAT operation, it enters the standby mode. Operation resumes when the room A unit stops operating.

Priority when SUPER POWERFUL / HEAT PLUS operation is used (HEAT PLUS function unavailable in the CDXP, CDXM series)

[Example]

- Room A is the priority room in this example.
The indoor units in rooms A, B, C and D are all operating. If the unit in room A enters SUPER POWERFUL / HEAT PLUS operation, operation capacity will be concentrated in room A. In such a case, the cooling (heating) efficiency of the units in room B, C and D may be slightly reduced.

Priority when OUTDOOR UNIT QUIET operation is used

[Example]

- Room A is the priority room in this example.
Just by setting the unit in room A to QUIET operation, the air conditioner starts OUTDOOR UNIT QUIET operation. You do not have to set all the indoor units in operation to OUTDOOR UNIT QUIET operation.

Care and Cleaning

CAUTION

- Only a qualified service person is allowed to perform maintenance.
- Before cleaning, be sure to stop the operation and turn off the circuit breaker.
- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.

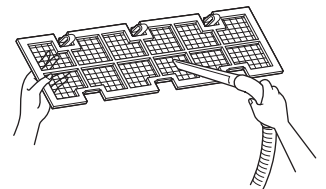
■ Air filter

1. Removing the air filter.

- Rear suction
Pull the bottom side of the air filter backwards, over the bends.
- Bottom suction
Pull the filter over the bends situated at the backside of the unit.

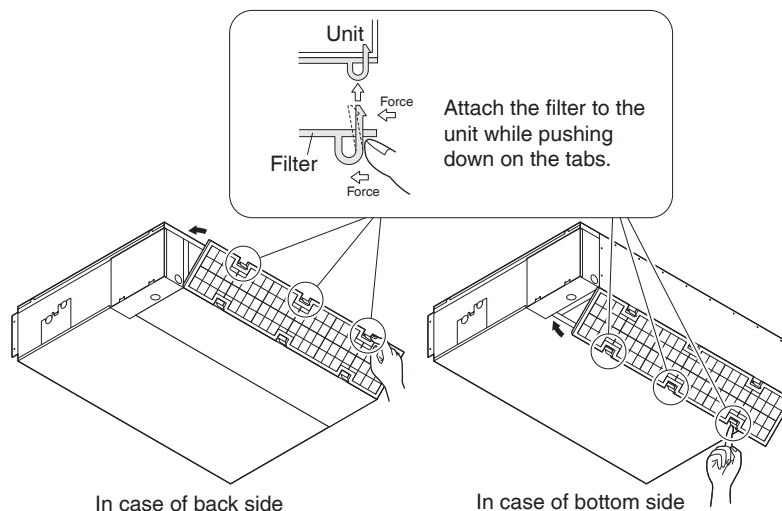
2. Cleaning the air filter.

Remove dust from the air filter using a vacuum cleaner and gently rinse them in cool water. Do not use detergent or hot water to avoid filter shrinking or deformation. After cleaning dry them in the shade.



3. Replacing the air filter.

- Rear suction
Hook the filter behind the flap situated at the top of the unit and push the other side gently over the bends.
- Bottom suction
Hook the filter behind the flap situated at the middle of the unit and push the other side gently over the bends.

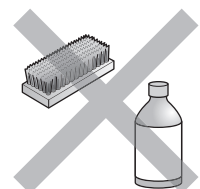


- The appearance of the unit may differ between different models.

NOTE

For cleaning, do not use any of the following:

- Volatile liquid such as benzine, petrol and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush



CAUTION

- Do not operate the air conditioner without filters, this to avoid dust accumulation inside the unit.
- Do not remove the air filter except when cleaning.
Unnecessary handling may damage the filter.
- Do not use petrol, benzine, thinner, polishing compounds, or liquid insecticide. It may cause discolouring or warping.
- Do not let the indoor unit get wet. It may cause an electric shock or a fire.
- Operation with dusty air filters lowers the cooling and heating capacity and wastes energy.
- The suction grille is option.
- Do not use water or air of 50°C or higher for cleaning air filters and outside panels.

■ Drain pan

- Clean the drain pan periodically, or the drain piping may become clogged with dust and may result in water leakage.
Ask your dealer to clean them.
- Prepare a cover locally to prevent any dust in the air around the indoor unit from getting in the drain pan, if there is a great deal of dust present.

Check

Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.

Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.

Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.

- If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult your dealer if this is the case.

■ Prior to a long period of non-use

1. Operate the FAN mode for several hours on a fine day to dry out the inside.

- 1) Press the "MODE" selector button and select "FAN" operation.
 - When a multi outdoor unit is connected, make sure the HEAT operation is not being used in other rooms before you use the FAN operation. [▶Page 5](#)
- 2) Press the "ON/OFF" button and start operation.

2. After operation stops, turn off the circuit breaker for the room air conditioner.

3. Clean the air filters and reattach them. [▶Page 7](#)

4. To prevent battery leakage, take out the batteries from the remote controller. (Only for the wireless remote controller)

■ We recommend periodical maintenance

- In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist.
- For specialist maintenance, please contact the dealer where you bought the air conditioner.
- The maintenance cost must be borne by the user.

Troubleshooting

Before making an inquiry or a request for repair, please check the following.
If the problem persists, consult your dealer.



Not a problem


This case is not a problem.



Check

Please check again before requesting repairs.

Case	Description / what to check
Operation does not start soon. <ul style="list-style-type: none"> When ON/OFF button was pressed soon after operation was stopped. When the mode was reselected. 	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> This is to protect the air conditioner. You should wait for about 3 minutes.
Air does not come out.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> In HEAT operation <ul style="list-style-type: none"> The air conditioner is warming up. Wait for about 1 to 4 minutes. During defrosting operation, hot air does not flow out of the indoor unit. When the air conditioner operates immediately after the circuit breaker is turned on <ul style="list-style-type: none"> The air conditioner is preparing to operate. Wait for about 3 to 20 minutes.
The heating operation stops suddenly and a flowing sound is heard.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> The system is taking away the frost on the outdoor unit. You should wait for about 4 to 12 minutes.
The outdoor unit emits water or steam.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> In HEAT mode <ul style="list-style-type: none"> The frost on the outdoor unit melts into water or steam when the air conditioner is in defrost operation. In COOL or DRY mode <ul style="list-style-type: none"> Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.
Mist comes out of the indoor unit.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> This happens when the air in the room is cooled into mist by the cold air flow during cooling operation.
The indoor unit gives out odour.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the air flow. (If this happens, we recommend you to have the indoor unit washed by a technician. Consult the service shop where you bought the air conditioner.)
The outdoor fan rotates while the air conditioner is not in operation.	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> After operation is stopped: <ul style="list-style-type: none"> The outdoor fan continues rotating for another 30 seconds for system protection. While the air conditioner is not in operation: <ul style="list-style-type: none"> When the outdoor temperature is very high, the outdoor fan starts rotating for system protection.
The operation stopped suddenly. (OPERATION lamp is on.)	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> For system protection, the air conditioner may stop operating on a sudden large voltage fluctuation. It automatically resumes operation in about 3 minutes.
The air conditioner does not operate. (OPERATION lamp is off.)	<input type="checkbox"/> <ul style="list-style-type: none"> Hasn't a breaker turned OFF or a fuse blown? Isn't it a power failure? Are batteries set in the remote controller? Is the timer setting correct?
Cooling (Heating) effect is poor.	<input type="checkbox"/> <ul style="list-style-type: none"> Are the air filters clean? Is there anything blocking the air inlet or the outlet of the indoor and the outdoor units? Is the temperature setting appropriate? Are the windows and doors closed? Are the air flow rate and the air direction set appropriately?
Operation stops suddenly. (OPERATION lamp flashes.)	<input type="checkbox"/> <ul style="list-style-type: none"> Are the air filters clean? Is there anything blocking the air inlet or the outlet of the indoor and the outdoor units? Clean the air filters or take all obstacles away and turn the breaker OFF. Then turn it ON again and try operating the air conditioner with the remote controller. If the lamp still blinks, call the service shop where you bought the air conditioner. Are operation modes all the same for indoor units connected to outdoor units in the multi system? If not, set all indoor units to the same operation mode and confirm that the lamps blink. Moreover, when the operation mode is in "AUTO", set all indoor unit operation modes to "COOL" or "HEAT" for a moment and check again that the lamps are normal. If the lamps stop blinking after the above steps, there is no malfunction.

Case	Description / what to check
An abnormal functioning happens during operation.	 • The air conditioner may malfunction with lightning or radio waves. Turn the breaker OFF, turn it ON again and try operating the air conditioner with the remote controller.

Notes on the operating conditions

- If operation continues under any conditions other than those listed in the table,
 - A safety device may activate to stop the operation.
 - Dew may form on the indoor unit and drip from it when COOL or DRY operation is selected.

Mode	Operating conditions
COOL / DRY	Outdoor temperature: [HEAT PUMP model]: –10.0-46.0°C [COOLING ONLY model]: 10.0-46.0°C Indoor temperature: 18.0-32.0°C Indoor humidity: 80% max.
HEAT	Outdoor temperature: –15-24°C Indoor temperature: 10-30°C

■ Call your dealer immediately

WARNING

When an abnormality (such as a burning smell) occurs, stop operation and turn off the circuit breaker.

- Continued operation in an abnormal condition may result in problems, electric shock or fire.
- Consult the dealer where you bought the air conditioner.

Do not attempt to repair or modify the air conditioner by yourself.

- Incorrect work may result in electric shock or fire.
- Consult the dealer where you bought the air conditioner.

If one of the following symptoms takes place, call your dealer immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The circuit breaker, a fuse, or the earth leakage circuit breaker cuts off the operation frequently.
- A switch or a button often fails to work properly.
- There is a burning smell.
- Water leaks from the indoor unit.

Turn off the circuit breaker and call your dealer.



■ After a power failure

- The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.

■ Lightning

- If there is a risk lightning could strike in the neighbourhood, stop operation and turn off the circuit breaker to protect the system.

■ Disposal requirements

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

DAIKIN INDUSTRIES, LTD.

Head office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi,
Kita-ku, Osaka, 530-8323 Japan

Tokyo office:
JR Shinagawa East Bldg., 2-18-1, Konan,
Minato-ku, Tokyo, 108-0075 Japan
<http://www.daikin.com>



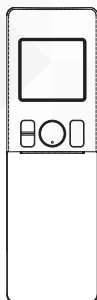
The two-dimensional bar code is
a manufacturing code.

3P472684-5A M16B252A (1707) HT

DAIKIN

WIRELESS REMOTE CONTROLLER KIT

OPERATION MANUAL



MODELS



BRC086A11





BRC086A12

PRIOR TO USE

This operation manual is exclusively for instructions on how to use the wireless remote controller. Read also the operation manual attached to the indoor unit and to the outdoor unit for safe usage of the system and maintenance.



Contents




■ Read Before Operation	
Safety Precautions	1
Names of Parts	3
Preparation Before Operation	5
■ Basic Operation	
 AUTO · DRY · COOL · HEAT · FAN Operation	7
 Adjusting the Airflow Rate.....	9

■ Useful Functions	
 SUPER POWERFUL Operation	10
 ECONO Operation.....	11
 OUTDOOR UNIT QUIET Operation	12
■ TIMER Operation	
 ON/OFF TIMER Operation	13
■ When the Need Arises	
Troubleshooting	16

Safety Precautions

- Keep this manual where the user can easily find it.
- 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	 CAUTION
Failure to follow these instructions properly may result in personal injury or loss of life.	Failure to follow these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

 Never attempt.	 Be sure to follow the instructions.	 Be sure to establish an earth connection.
---	---	---

- 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

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance must be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odour.
- To avoid fire, explosion or injury, do not operate the unit when harmful gases (e.g. flammable or corrosive) are detected near the unit.
- 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.
- Do not place objects, including rods, your fingers, etc., in the air inlet or outlet. Product damage or personal injury may result due to contact with the air conditioner's high-speed fan blades.
- Do not attempt to repair, dismantle, reinstall or modify the air conditioner yourself as this may result in water leakage, electric shock or fire hazards.
- Do not use flammable spray near the air conditioner, or otherwise fire may result.



WARNING



- Do not use a refrigerant other than the one indicated on the outdoor unit when installing, moving or repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.
- To avoid electric shock, do not operate with wet hands.



- 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 use the air conditioner until a qualified service person confirms that the leakage has been repaired.
- 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.
- If 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 shock or fire hazards.
- Be sure to install an earth leakage circuit breaker. Failure to install an earth leakage circuit breaker may result in electric shock or fire.



- 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 shock.



CAUTION



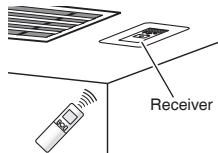
- Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner for cooling precision instruments, food, plants, animals or works of art as this may adversely affect the performance, quality and/or longevity of the object concerned.
- Do not expose plants or animals directly to the airflow from the unit as this may cause adverse effects.
- Do not place appliances that produce naked flames in places exposed to the airflow from the unit as this may impair combustion of the burner.
- Do not block the air inlets nor outlets. Impaired airflow may result in insufficient performance or trouble.
- Do not sit on the outdoor unit, put things on the unit, or pull the unit. Doing so may cause accidents, such as falling or toppling down, thus resulting in injury, product malfunctioning, or product damage.
- 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.
- After prolonged use, check the unit stand and its mounts for damage. If they are left in a damaged condition, the unit may fall and cause injury.
- To avoid injury, do not touch the air inlet or aluminium fins of the indoor or outdoor units.
- The appliance is not intended for use by unattended young children or infirm persons. Impairment of bodily functions and harm to health may result.
- 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.
- Avoid impacts to the indoor and outdoor units, or otherwise product damage may result.
- Do not place flammable items, such as spray cans, within 1m of the air outlet. The spray cans may explode as a result of hot air from the indoor or outdoor units.
- Be careful not to let pets urinate on the air conditioner. Urination on the air conditioner may result in electric shock or fire.
- Do not wash the air conditioner with water, as this may result in electric shock or fire.
- Do not place water containers (vases, etc.) above the unit, as this may result in electric shock or fire hazards if they should topple over.
- Do not insert the batteries in the wrong polarity (+/-) orientation as this may result in short circuiting, fire, or battery leakage.
- To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Before cleaning, be sure to stop unit operation and turn off the circuit breaker. Otherwise, an electric shock and injury may result.
- Only connect the air conditioner to the specified power supply circuit. Power supplies other than the one specified may result in electric shock, overheating and fires.
- Arrange the drain hose to ensure smooth drainage. Imperfect drainage may cause wetting of the building, furniture, etc.
- 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 inside the unit, such animals can cause malfunctions, smoke or fire if they come into contact with electrical parts.
- Do not place objects around the indoor unit. Doing so may have an adverse influence on the performance, product quality, and life of the air conditioner.
- This appliance is not intended to be used by persons with reduced physical, sensory or mental capabilities, or with lack of operation knowledge, unless they have been given supervision or instruction concerning the appliance use by person responsible for their safety. Keep out of children's reach to ensure that they do not play with the appliance.

Names of Parts

Remote Controller

Explained by the HEAT PUMP model

Signal transmitter



- To use the remote controller, aim the transmitter at the indoor unit. If there is anything blocking the signals between the unit and the remote controller, such as a curtain, the unit may not operate.
- The maximum transmission distance is about 7m.

FAN setting button

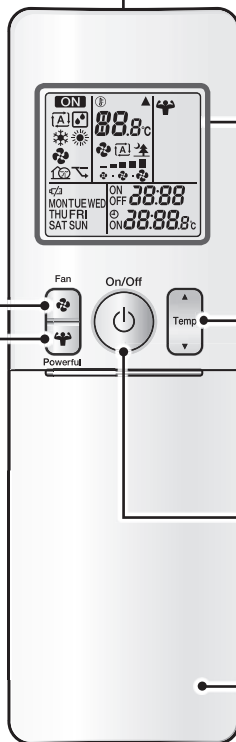
- Selects the airflow rate setting.

▶ Page 9

SUPER POWERFUL button

- SUPER POWERFUL operation.

▶ Page 10



Display (LCD)

- Displays the current settings. (In this illustration, each section is shown with all its displays on for the purpose of explanation.)

TEMPERATURE adjustment button

- Changes the temperature setting.

▶ Page 8

ON/OFF button

- Press this button once to start operation. Press once again to stop it.

▶ Page 7

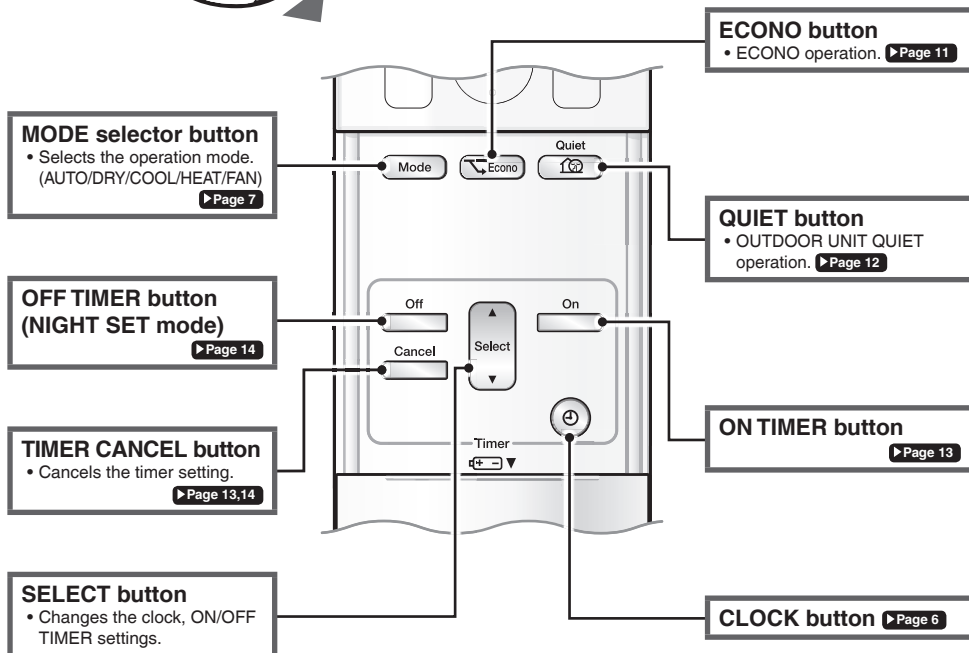
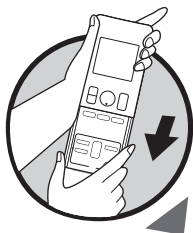
Front cover

- Open the front cover.

▶ Page 4

HEAT PUMP model	BRC086A11
COOLING ONLY model	BRC086A12

■ Open the front cover



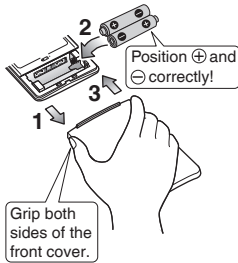
Preparation Before Operation



CAUTION

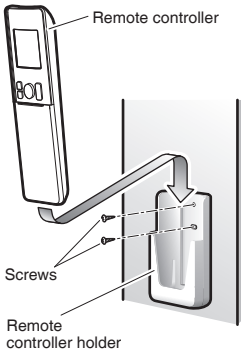
Incorrect handling of batteries can result in injury from battery leakage, rupturing or heating, or lead to equipment failure. Please observe the following precautions and use safely.

- If the alkaline solution from the batteries should get in the eyes, do not rub the eyes. Instead, immediately flush the eyes with tap water and seek the attention of a medical professional.
- Keep batteries out of reach of children. In the event that batteries are swallowed, seek the immediate attention of a medical professional.
- Do not expose batteries to heat or fire. Do not disassemble or modify batteries. The insulation or gas release vent inside the battery may be damaged, resulting in battery leakage, rupturing, or heating.
- Do not damage or peel off labels on the batteries.



To insert the batteries

1. Slide the front cover to take it off.
2. Insert 2 dry batteries AAA.LR03 (alkaline).
3. Replace the front cover.



To attach the remote controller holder to a wall

1. Choose a place from where the signals reach the unit.
2. Attach the holder to a wall, a pillar, or similar location with the screws supplied with the holder.
3. Place the remote controller in the remote controller holder.

NOTE

Notes on batteries

- To avoid possible injury or damage from battery leakage or rupturing, remove the batteries when not using the product for long periods of time.
- The standard replacement time is about 1 year. Both batteries should be replaced at the same time. Be sure to replace them with new size AAA.LR03 (alkaline) batteries.
- When battery power has run out, "⏻" will begin blinking on the LCD as an alert that the batteries need replacing. In some cases, when battery consumption is accelerated owing usage conditions, signal reception may decline before the LCD begins blinking.
- The batteries supplied with the remote controller are for initial operation. The batteries may run out in less than 1 year.

Note on remote controller

- Do not drop the remote controller. Do not get it wet.



To set the clock

1. Press .



"0:00" is displayed on the LCD.
"MON" and "⏻" blink.



2. Press to set the current day of the week.

3. Press .



"⏻" blinks.

4. Press to set the clock to the present time.

- Holding down  or  rapidly increases or decreases the displayed time.

5. Press .

- Point the remote controller at the indoor unit when pressing the buttons.



"." blinks.

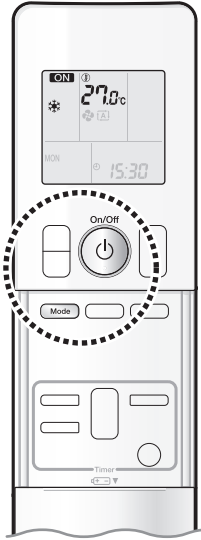
NOTE

Note on setting the clock

- If the indoor unit's internal clock is not set to the correct time, the ON/OFF TIMER will not operate punctually.



AUTO · DRY · COOL · HEAT · FAN Operation

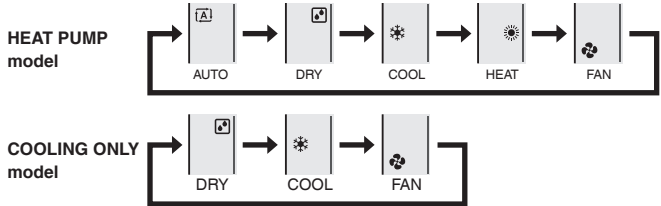


The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

To start operation

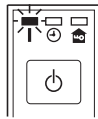
1. Press and select an operation mode.

- Each pressing of the button changes the mode setting in sequence.



2. Press .

- “**ON**” is displayed on the LCD.
- The OPERATION lamp lights green.



Display

To stop operation

Press again.

- “**ON**” disappears from the LCD.
- The OPERATION lamp goes off.

NOTE

Notes on AUTO operation

- In AUTO operation, the system selects an appropriate operation mode (COOL or HEAT) based on the indoor temperature and starts the operation.
- The system automatically reselects setting at a regular interval to bring the indoor temperature to the user-setting level.

Note on DRY operation

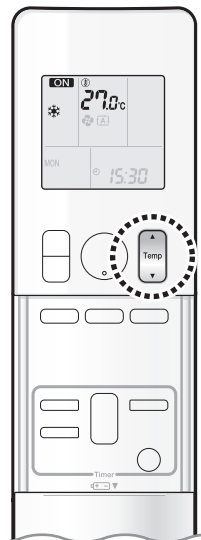
- Eliminates humidity while maintaining the indoor temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.

To change the temperature setting

Press  .

- Press ▲ to raise the temperature and press ▼ to lower the temperature.

COOL operation	HEAT operation	AUTO operation	DRY or FAN operation
18.0 – 32.0°C	10.0 – 30.0°C	18.0 – 30.0°C	The temperature setting cannot be changed.



Tips for saving energy

Keeping the temperature setting at a moderate level helps save energy.

- Recommended temperature setting
 - For cooling: 26.0-28.0°C
 - For heating: 20.0-24.0°C

Cover windows with a blind or a curtain.

- Blocking sunlight and air from outdoors increases the cooling (heating) effect.

If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn off the circuit breaker.

- The air conditioner always consumes a small amount of electricity even while it is not operating.






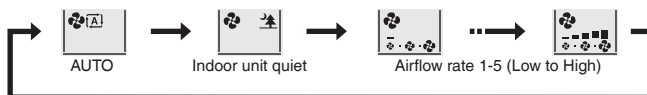
Adjusting the Airflow Rate


You can adjust the airflow rate to increase your comfort.

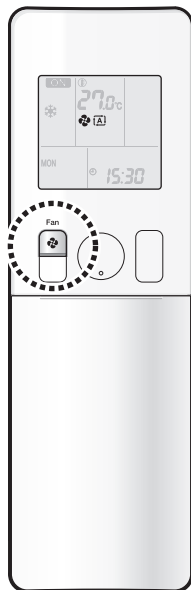
To adjust the airflow rate setting

Press  .

- Each pressing of  changes the airflow rate setting in sequence.



- When the airflow is set to “”, quiet operation starts and noise from the indoor unit will become quieter.
- In the quiet operation mode, the airflow rate is set to a weak level.
- In DRY operation, the airflow rate setting cannot be changed.

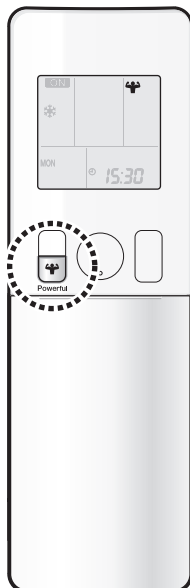


NOTE

- At smaller airflow rates, the cooling (heating) effect is also smaller.




SUPER POWERFUL Operation



SUPER POWERFUL operation quickly maximises the cooling (heating) effect in any operation mode. In this mode, the air conditioner operates at maximum capacity.

To start SUPER POWERFUL operation

Press  during operation.

- “” is displayed on the LCD.
- SUPER POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before SUPER POWERFUL operation.



To cancel SUPER POWERFUL operation

Press  again.

- “” disappears from the LCD.

NOTE

Notes on SUPER POWERFUL operation

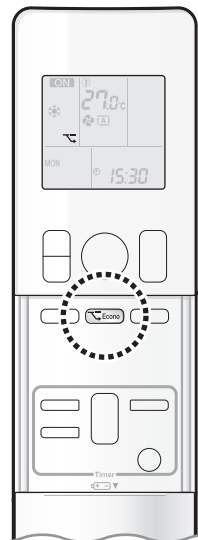
- Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- SUPER POWERFUL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.
- **In COOL, HEAT and AUTO operation**
To maximise the cooling (heating) effect, the capacity of outdoor unit increases and the airflow rate becomes fixed at the maximum setting.
The temperature and airflow settings cannot be changed in COOL and HEAT operation.
Airflow settings cannot be changed in AUTO operation.
- **In DRY operation**
The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
- **In FAN operation**
The airflow rate is fixed at the maximum setting.

Regarding the combination of SUPER POWERFUL and other operations

SUPER POWERFUL + ECONO	Not available*	*Priority is given to the function of whichever button is pressed last.
SUPER POWERFUL + OUTDOOR UNIT QUIET		



ECONO Operation



ECONO operation enables efficient operation by limiting the maximum power consumption.

This function is useful to prevent the circuit breaker from tripping when the unit operates alongside other appliances on the same circuit.

To start operation

● Press  during operation.

- “” is displayed on the LCD.
- Not available in FAN mode.



To cancel operation

● Press  again.

- “” disappears from the LCD.

NOTE

Notes on ECONO operation

- Pressing  causes the settings to be cancelled, and “” disappears from the LCD.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.

Possible combinations of ECONO operation and basic operations

Operation mode				
AUTO	DRY	COOL	HEAT	FAN
✓	✓	✓	✓	—

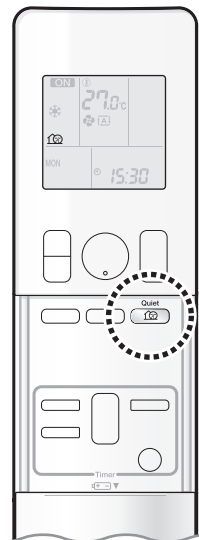
Some useful functions can be used together.

OUTDOOR UNIT QUIET + ECONO	Available
----------------------------	-----------



OUTDOOR UNIT QUIET Operation

OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit by changing the frequency and fan speed of the outdoor unit. This function is convenient during the night-time operation.



To start operation

Press  .

- “” is displayed on the LCD.


To cancel operation

Press  again.

- “” disappears from the LCD.

NOTE

Notes on OUTDOOR UNIT QUIET operation

- Even if the operation is stopped by using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain displayed on the remote controller.
- OUTDOOR UNIT QUIET operation will not reduce the frequency nor fan speed if they already are operating at reduced levels.
- This operation is performed with lower power and therefore may not provide a sufficient cooling (heating) effect.

Possible combinations of OUTDOOR UNIT QUIET operation and basic operations

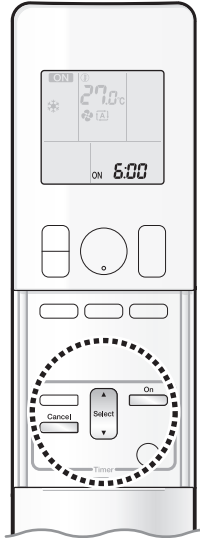
Operation mode				
AUTO	DRY	COOL	HEAT	FAN
✓	—	✓	✓	—

Some useful functions can be used together.

OUTDOOR UNIT QUIET + ECONO	Available
----------------------------	-----------



ON/OFF TIMER Operation



Timer functions are useful for automatically switching the air conditioner on or off in the morning or at night. You can also use the ON TIMER and OFF TIMER together.

To use ON TIMER with a 24 hour clock display (24 HOUR ON/OFF TIMER)

- Check that the clock is correct.
If not, set the clock to the present time. [▶Page 6](#)
- To set the ON TIMER in an hours remaining display. [▶Page 15](#)

1. Press .



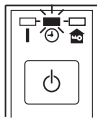
- “⊕” and day of the week disappear from the LCD.

2. Press **until the time setting reaches the point you like.**

- Each pressing of either button increases or decreases the time setting by 10 minutes. Holding down either button changes the setting rapidly.

3. Press **again.**

- “ON” and setting time are displayed on the LCD.
- The TIMER lamp lights orange.



Display

To cancel ON TIMER operation

Press .

- “ON” and setting time disappear from the LCD.
- “⊕” and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

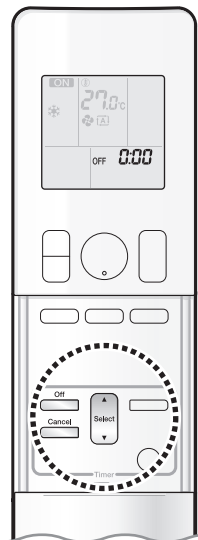
NOTE

Notes on TIMER operation

- When TIMER is set, the present time is not displayed.
- When using the ON/OFF TIMER to start/stop operation, the actual operation start/stop time may differ from the time set. (Maximum of about 10 minutes)

In the following cases, set the timer again.

- After the circuit breaker has turned off.
- After a power failure..
- After replacing the batteries in the remote controller.



To use OFF TIMER with a 24 hour clock display (24 HOUR ON/OFF TIMER)


- Check that the clock is correct.
If not, set the clock to the present time. ▶ Page 6
- To set the OFF TIMER in an hours remaining display. ▶ Page 15

1. Press  .



“0:00” is displayed on the LCD.
“OFF” blinks.

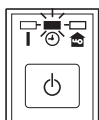
- “⌚” and day of the week disappear from the LCD.

2. Press  **until the time setting reaches the point you like.**

- Each pressing of either button increases or decreases the time setting by 10 minutes.
Holding down either button changes the time setting rapidly.

3. Press  **again.**

- “OFF” and setting time are displayed on the LCD.
- The TIMER lamp lights orange.



Display

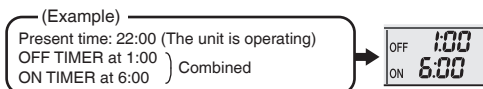
To cancel OFF TIMER operation

Press  .

- “OFF” and setting time disappear from the LCD.
- “⌚” and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

To combine ON TIMER and OFF TIMER operation

- A sample setting for combining the 2 timers is shown below.



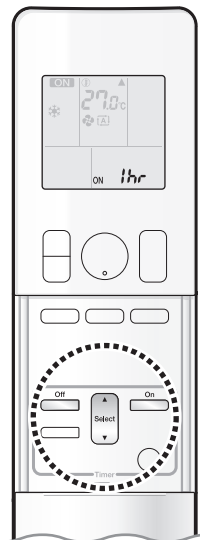
NOTE

NIGHT SET mode

- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.5°C up in COOL, 2.0°C down in HEAT) to prevent excessive cooling (heating) during sleeping hours.



ON/OFF TIMER Operation



To use the ON/OFF TIMER with an hours remaining display (COUNT UP-DOWN ON/OFF TIMER)

- Check that the clock is correct.
If not, set the clock to the present time. ▶Page 6

1. Press and hold or for about 5 seconds, when signal indicator (▲) blinks, release your finger from the button.

For ON TIMER
"1hr" is displayed on the LCD.
"ON" blinks.

For OFF TIMER
"1hr" is displayed on the LCD.
"OFF" blinks.

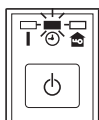
- "⊕" and day of the week disappear from the LCD.

2. Press until the time setting reaches the point you like.

- Each pressing of the button increases or decreases the time setting by 1 hour.
- The time can be set between 1 and 12 hours.

3. Press or again.

- "ON" or "OFF", and setting time are displayed on the LCD.
- The TIMER lamp lights orange.



Display

- To change the display mode from COUNT UP-DOWN ON/OFF TIMER to 24 HOUR ON/OFF TIMER, repeat **STEP 1**, and continue from **STEP 2** of "24 HOUR ON/OFF TIMER". ▶Page 13,14
- Timer display mode cannot be changed while "ON" or "OFF" are blinking.
Press or to stop the blinking.

Combining display modes

- Different display modes (24 HOUR ON/OFF TIMER and COUNT UP-DOWN ON/OFF TIMER) can be used for the ON TIMER and OFF TIMER simultaneously.

(Example)



NOTE

Notes on COUNT UP-DOWN ON/OFF TIMER

- After setting, the time displayed on the LCD will automatically count down by 1 hour for every 1 hour that passes.
For example, if the OFF TIMER is set to 3 hours, the display will change as follows: 3hr → 2hr → 1hr → blank (OFF)

Switching between ON/OFF TIMER display modes (24 hour clock and hours remaining display)

- When changing timer display modes (from 24 HOUR ON/OFF TIMER to COUNT UP-DOWN ON/OFF TIMER or vice versa), the timer cancels. The timer must be set again to activate it.

Troubleshooting



■ Fault diagnosis by remote controller

- The remote controller can receive relevant error codes from the indoor unit.


1. When  is held down for about 5 seconds, “00” blinks in the temperature display section.

2. Press  repeatedly until a long beep is produced.

- The code indication changes as shown below, and notifies you with a long beep.

	CODE	MEANING
SYSTEM	00	NORMAL
	UA	INDOOR-OUTDOOR UNIT COMBINATION FAULT
	U0	REFRIGERANT SHORTAGE
	U2	DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE
	U4	FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT)
INDOOR UNIT	A1	INDOOR PCB DEFECTIVENESS
	A5	HIGH PRESSURE CONTROL OR FREEZE-UP PROTECTOR
	A6	FAN MOTOR FAULT
	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR
	EA	COOLING-HEATING SWITCHING ERROR
OUTDOOR UNIT	E1	CIRCUIT BOARD FAULT
	E5	OL STARTED
	E6	FAULTY COMPRESSOR START UP
	E7	DC FAN MOTOR FAULT
	E8	OVERCURRENT INPUT
	F3	HIGH TEMPERATURE DISCHARGE PIPE CONTROL
	F6	HIGH PRESSURE CONTROL (IN COOLING)
	F8	OPERATION HALT DUE TO COMPRESSOR INTERNAL TEMPERATURE ABNORMALITY
	H0	SENSOR FAULT
	H6	OPERATION HALT DUE TO FAULTY POSITION DETECTION SENSOR
	H8	DC CURRENT SENSOR FAULT
	H9	FAULTY SUCTION AIR TEMPERATURE SENSOR
	J3	FAULTY DISCHARGE PIPE TEMPERATURE SENSOR
	J6	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	L3	ELECTRICAL PARTS HEAT FAULT
	L4	HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK
L5	OUTPUT OVERCURRENT	
P4	FAULTY INVERTER CIRCUIT HEATSINK TEMPERATURE SENSOR	

NOTE

- A short beep and 2 consecutive beeps indicate non-corresponding codes.
- To cancel the code display, hold  down for about 5 seconds. The code display also clears if no button is pressed for 1 minute.

Memo

DAIKIN INDUSTRIES, LTD.

Head office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi,
Kita-ku, Osaka, 530-8323 Japan

Tokyo office:
JR Shinagawa East Bldg., 2-18-1, Konan,
Minato-ku, Tokyo, 108-0075 Japan
<http://www.daikin.com>



The two-dimensional bar code is
a manufacturing code.

3P477582-2 | M16B322 (1706) 