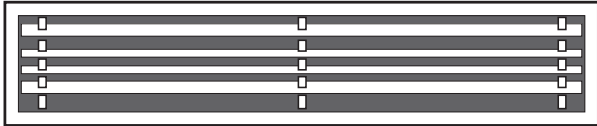




# OPERATION MANUAL

DAIKIN ROOM AIR CONDITIONER



## MODELS

CDKM25VVMG  
CDKM35VVMG  
CDKM50VVMG  
CDKM60VVMG



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# Safety Precautions

	<b>Read the precautions in this manual carefully before operating the unit.</b>		<b>This appliance is filled with R32.</b>
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- 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.


 <b>WARNING</b>	Failure to follow these instructions properly may result in personal injury or loss of life.
 <b>CAUTION</b>	Failure to observe 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.
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- 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 the minimum required floor area. Refer to the installation manual for the outdoor unit. 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. Maintain an installation height of 2.5m or more from the floor surface to the bottom of the appliance.
- 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 air from the air conditioner, or to air that is too cool 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.

-  Beware of fire in case of refrigerant leakage. If the air conditioner is not operating correctly, i.e. not generating cool 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.
- Do not use an unstable stand at the time of operating or maintaining the air conditioner, or otherwise you may topple over or injure yourself.



- 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.
- Locate the remote controller in places out of reach of children. The wrong operation of the remote controller may result in injury.

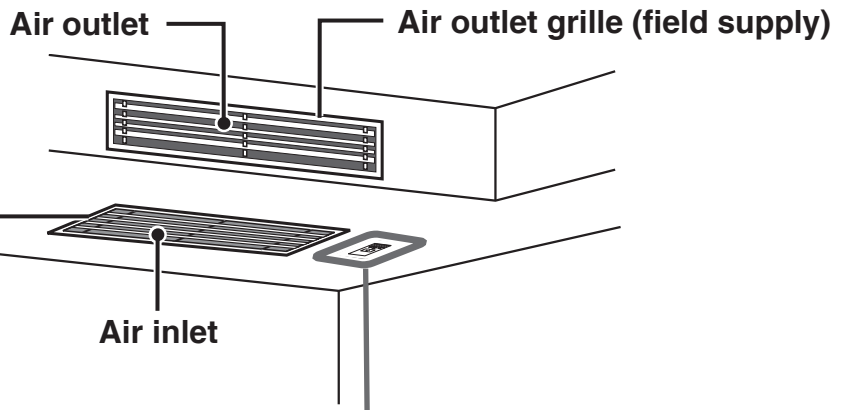
This is an appliance that is not accessible to the general public.

### 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

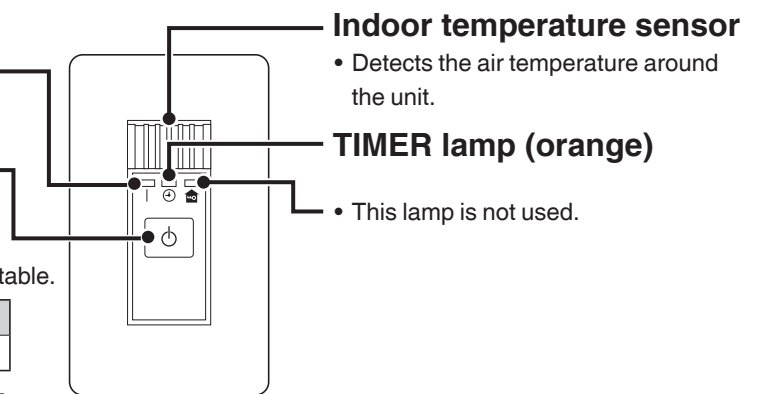
### OPERATION lamp (green)

### 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.

Mode	Temperature setting	Airflow rate
COOL	22°C	AUTO

- This switch can be used when the remote controller is missing or out of batteries.



### Indoor temperature sensor

- Detects the air temperature around the unit.

### TIMER lamp (orange)

- This lamp is not used.

## Remote controller

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

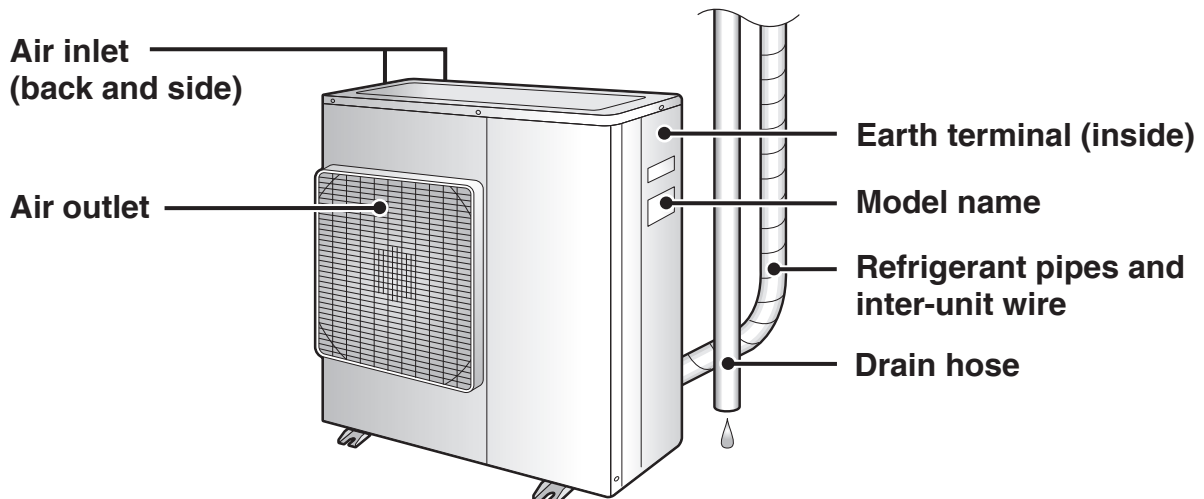
### Wireless type

Model name	BRC086A12
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## 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

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

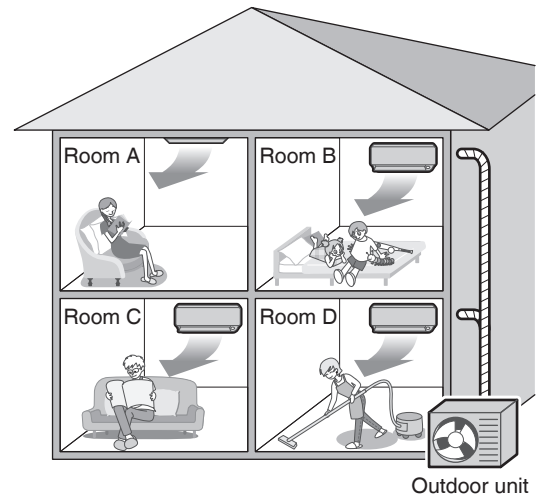
When more than one indoor unit is operating, priority is given to the first unit that was turned on.

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.

### 2. With the priority room setting active

Refer to “Priority room setting” on the next page.



Outdoor unit

## ■ 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.

### 1. 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.

### 2. With the priority room setting active

Refer to “Priority room setting” on the next page.

## NOTE

### Notes on operation mode for a multi system

- COOL, DRY and FAN operation may be used at the same time.

## ■ Priority room setting (Unavailable when connected with outdoor model MKM50VVMG or MKP50VVMG)

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.

### 1. Priority when SUPER POWERFUL is used

#### [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 operation, operation capacity will be concentrated in room A. In such a case, the cooling efficiency of the units in room B, C and D may be slightly reduced.

### 2. 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.

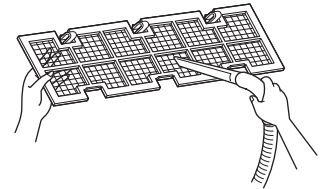
### ■ How to clean the air filter

## 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.

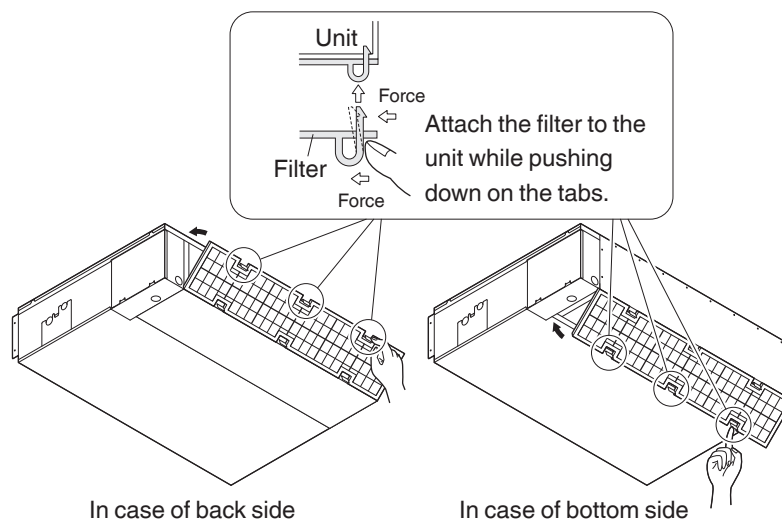
## 2. Cleaning the air filter.

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.

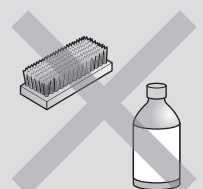


- The appearance of the unit may differ between different models.

## 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





# Care and Cleaning

## 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 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.

### ■ How to clean the 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.

### ■ How to clean air outlet, outside panels and remote controller

**1. Clean with soft cloth.**

**2. When it is difficult to remove stains, use water or neutral detergent.**

### ■ 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.
- 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.** 

**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
<b>Operation does not start soon.</b> <ul style="list-style-type: none"> <li>When ON/OFF button was pressed soon after operation was stopped.</li> <li>When the mode was reselected.</li> </ul>	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> <li>This is to protect the air conditioner. You should wait for about 3 minutes.</li> </ul>
<b>Air does not come out.</b>	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> <li>■ <b>When the air conditioner operates immediately after the circuit breaker is turned on</b> <ul style="list-style-type: none"> <li>The air conditioner is preparing to operate. Wait for about 3 to 20 minutes.</li> </ul> </li> </ul>
<b>The outdoor unit emits water.</b>	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> <li>■ In COOL or DRY mode                             <ul style="list-style-type: none"> <li>Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.</li> </ul> </li> </ul>
<b>Mist comes out of the indoor unit.</b>	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> <li>■ This happens when the air in the room is cooled into mist by the cold air flow during cooling operation.</li> </ul>
<b>The indoor unit gives out odour.</b>	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> <li>■ 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.)</li> </ul>
<b>The outdoor fan rotates while the air conditioner is not in operation.</b>	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> <li>■ After operation is stopped:                             <ul style="list-style-type: none"> <li>The outdoor fan continues rotating for another 30 seconds for system protection.</li> </ul> </li> <li>■ While the air conditioner is not in operation:                             <ul style="list-style-type: none"> <li>When the outdoor temperature is very high, the outdoor fan starts rotating for system protection.</li> </ul> </li> </ul>
<b>The operation stopped suddenly. (OPERATION lamp is on.)</b>	<input checked="" type="checkbox"/> <ul style="list-style-type: none"> <li>■ For system protection, the air conditioner may stop operating on a sudden large voltage fluctuation. It automatically resumes operation in about 3 minutes.</li> </ul>
<b>The air conditioner does not operate. (OPERATION lamp is off.)</b>	<input type="checkbox"/> <ul style="list-style-type: none"> <li>Hasn't a breaker turned OFF or a fuse blown?</li> <li>Isn't it a power failure?</li> <li>Are batteries set in the remote controller?</li> <li>Is the timer setting correct?</li> </ul>
<b>Cooling effect is poor.</b>	<input type="checkbox"/> <ul style="list-style-type: none"> <li>Are the air filters clean?</li> <li>Is there anything blocking the air inlet or the outlet of the indoor and the outdoor units?</li> <li>Is the temperature setting appropriate?</li> <li>Are the windows and doors closed?</li> <li>Are the air flow rate and the air direction set appropriately?</li> </ul>
<b>Operation stops suddenly. (OPERATION lamp is blinking.)</b>	<input type="checkbox"/> <ul style="list-style-type: none"> <li>Are the air filters clean?</li> <li>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.</li> <li>Are operation modes all the same for indoor units connected to outdoor units in the <b>multi system</b>? If not, set all indoor units to the same operation mode and confirm that the lamps blink. If the lamps stop blinking after the above steps, there is no malfunction.</li> </ul>
<b>An abnormal functioning happens during operation.</b>	<input type="checkbox"/> <ul style="list-style-type: none"> <li>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.</li> </ul>

## NOTE

### 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: 10.0-46.0°C Indoor temperature: 18.0-32.0°C Indoor humidity: 80% max.

# Troubleshooting

## ■ 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.

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