This air conditioner complies with EMC Directive 89/336/EEC, LV Directive 73/23/EEC.

Ce climatiseur est conforme à la Directive EMC 89/336/CEE, LV Directive 73/23/CEE.

Dieses Klimagerät erfüllt die EMC Direktiven 89/336/EEC, LV Direktiven 73/23/EEC.

Questo condizionatore d'aria è conforme alla Direttiva EMC 89/336/EEC, LV Direttiva 73/23/EEC.

Este acondicionador de aire cumple con la directiva EMC 89/ 336/EEC, LV Directiva 73/23/EEC.

Este aparelho de ar condicionado está em conformidade com a Directiva EMC 89/336/CEE e a Directiva LV 73/23/CEE.

Этот кондиционер воздуха соответствует директивам EMC 89/336/EEC и LV 73/23/CEE.

Aşağıdaki metin, EMC Direktifleri 89/336 ve LV Direktifleri 73/23 ile uyumlu.
Thank you for purchasing a MITSUBISHI HEAVY INDUSTRIES, LTD. Air-Conditioner. To get the best long-lasting performance, read and follow this User's Manual carefully before using your air-conditioner. After reading, please store the Manual in a safe place and refer to it for operational questions or in the event of any irregularities.

This air-conditioner is intended for domestic use.

An alternative refrigerant (R410A) is used in this air-conditioner. When asking the dealer for service or inspection and maintenance, explain the dealer about this matter.

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Safety precautions

• Before starting to use the system, please read these “Safety precautions” carefully to ensure proper operation of the system.
• The safety precautions are classified as “DANGER” and “CAUTION”. Precautions as shown in the column “DANGER” indicate that improper handling could have dramatic consequences like death, serious injury, etc. Nevertheless, even precautions as shown in the column “CAUTION” might pose a serious problem, depending on the circumstances. Please observe these precautions with great care, since they are essential to your safety.
• Symbols which appear frequently in the text have the following meaning:

<table>
<thead>
<tr>
<th>Strictly prohibited</th>
<th>Observe instructions with great care</th>
<th>Provide positive earthing</th>
</tr>
</thead>
</table>

• When you have read the instruction manual, please keep it near at hand for consultation. If someone else takes over as operator, make certain that the manual is also passed on to the new operator.

I INSTALLATION PRECAUTIONS

DANGER

The system is meant for domestic, residential etc. use.

If used in inferior environments, such as an engineering workplace, the equipment may function poorly.

The system must be installed by your dealer or a qualified professional.

It is not advisable to install the system yourself, as faulty handling may cause leakage of water, electric shock or fire.

CAUTION

Do not install near places where inflammable gas may leak.

Gas leaks may cause fire.

Depending on the place of installation, a circuit breaker may be necessary.

If you don’t fit a circuit breaker, you may cause an electric shock.

Make sure that you drain the hose properly, so that all the water has dripped out.

Negligence may cause flooding in the room resulting in wet furniture.

Make sure that the system has been properly earthed.

Earth cables should never be connected to a gas pipe, municipal water pipe, lightning conductor or telephone earth cable. Incorrect installation of the earth cable may produce an electric shock.

I OPERATION PRECAUTIONS

DANGER

Do not expose yourself to the cooling air for prolonged periods.

This could affect your physical condition and cause health problems.

Do not insert anything into the air inlet.

This may cause injury, as the internal fan rotates at high speed.

Store the remote control out of reach of infants.

Failure to observe this may result in the batteries being swallowed or other accidents.

CAUTION

Only use approved fuses.

Use of steel or copper wire instead of an approved fuse is strictly forbidden, as it may cause a breakdown or fire.

Do not handle the switches with wet hands.

This may cause an electric shock.

Don’t swing from the system.

If the system falls down, you may get injured.

Do not place a combustible insecticide or paint spray near the blower, nor aim it directly at the system.

This may result in a fire.

You should not expose any combustion appliance directly to the air stream of the air-conditioner.

The appliance may then work inadequately.

Do not wash the air-conditioner with water.

This could cause an electric shock.
## Safety precautions

### CAUTION

**The system should only be used for its original purpose and not for anything else like, for instance, preservation of food, plants or animals, precision devices or works of art.**

- Do not place anything containing water, like vases, on top of the unit. Water entering the unit could damage the insulation and therefore cause an electric shock. Do not install the system at a place where the air stream of the blower is aimed directly at plants or animals. This will damage their health.

- Do not sit on the outdoor unit nor put anything on it. If the unit falls down or things drop off it, people could get hurt.

- Do not place household electrical appliances or household items beneath the indoor or outdoor units. Condensation falling from the unit can stain objects and cause accidents or electrical shock.

- When you clean the system, stop the unit and turn off the power switch. Never clean the unit while the internal fan is rotating.

- Stop the unit and turn off power if you hear thunder or there is a danger of lightning. Electrical storms can damage the unit.

**If the unit falls down or things drop off it, people could get hurt.**

**Condensation falling from the unit can stain objects and cause accidents or electrical shock.**

**Stop the unit and turn off power if you hear thunder or there is a danger of lightning.**

### PRECAUTIONS FOR TRANSFER OR REPAIRS

### DANGER

**Consult your dealer for repairs to the system.** Wrong repairs could cause an electric shock, fire, etc.

**If the air-conditioner is moved elsewhere, contact your dealer or a professional fitter.** Faulty installation may cause water leakage, electric shock, fire, etc.

**If you notice anything abnormal (smell of burning, etc.), stop the system, turn off the power switch and consult your dealer.** Continued use of the system in abnormal circumstances may result in malfunctioning, electric shock, fire, etc.

**If the air-conditioner fails to cool or warm, it may have a refrigerant leak. Contact your dealer. If refrigerant needs to be added, check with your dealer for proper instructions.** The refrigerant used in your air-conditioner is safe. However, if refrigerant unexpectedly leaks from the unit onto a fan heater, stove, hotplate or other heat source, harmful products could be released.

**Wrong repairs could cause an electric shock, fire, etc.**

**Faulty installation may cause water leakage, electric shock, fire, etc.**

**Continued use of the system in abnormal circumstances may result in malfunctioning, electric shock, fire, etc.**

**If the air-conditioner fails to cool or warm, it may have a refrigerant leak. Contact your dealer. If refrigerant needs to be added, check with your dealer for proper instructions.**

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*RKX012A015_En.p65 5/22/06, 4:47 PM*
Name of each part and its function

INDOOR UNIT

- Air Inlet panel
  Draws in the indoor air.

- Air filter
  Removes dust or dirt from the inlet air.

- Air-cleaning filter

- Room temperature detector

- Unit operation switch

- Air outlet
  Air blows out of here.

- Left/right air flow adjustment louver

- Up/down air flow direction adjustment flap

- Drain hose
  Drains water from the dehumidified air.

- Refrigerant piping connection electric flex

OUTDOOR UNIT

- Air inlet
  (on side & rear surface)

- Air outlet

Accessories

- SRK20 ~ 50ZG-S
  Allergen clear filter (Light orange)
  Photocatalytic washable deodorizing filter (Orange)

- DXXK09 ~ 18Z2-S
  Natural enzyme filter (Quantity:2) (Green)

Remote control signal receiver

Unit ON/OFF button

In emergencies, this button can be used for turning on/off the unit when remote control is not available.
Operation and indication section for remote control

Operation section

FAN SPEED button
Each time the button is pushed, the indicator is switched over in turn.

HI POWER/ECONOMY button
This button changes the HIGH POWER/ECONOMY mode.

TEMPERATURE button
This button sets the room temperature. (This button changes the present time and TIMER time.)

ON TIMER button
This button selects ON TIMER operation.

SLEEP button
This button selects SLEEP operation.

CANCEL button
This button cancels the ON timer, OFF timer, and SLEEP operation.

OPERATION MODE select button
Each time the button is pushed, the indicator is switched over in turn.

ON/OFF (luminous) button
Press for starting operation, press again for stopping.

AIR FLOW (UP/DOWN) button
This button changes the air flow up/down mode.

AIR FLOW (LEFT/RIGHT) button
This button changes the air flow left/right mode.

3D AUTO button
This button sets 3D AUTO operation.

OFF TIMER button
This button selects OFF TIMER operation.

RESET switch
Switch for resetting microcomputer and setting time.

ALLERGEN CLEAR button
This button selects ALLERGEN CLEAR operation. (SRX SERIES ONLY)

Transmission procedure

When each button on the remote control is pressed – with the remote control pointing towards the air-conditioner unit a signal is transmitted. When the air-conditioner receives the signal correctly, it will beep.

Present time setting procedure

When inserting the batteries, the present time is automatically set to time setting mode.

Example: Set to 10:30.

1. Press the ACL switch.
   - Press with the tip of a ballpoint pen, etc.
   - The time indicator blinks and can be set to the current time.

2. Press the “ or °" button.
   (Set to 10:30)

3. Press the ON/OFF button.
   - Press within 60 sec.
   - The indication changes from blinking to steady lighting and the setting is complete.

**NOTE**

- The timer operation is set on the basis of the present time, so please set it correctly.
- The remote control data is reset when the present time is set.

3
2
1
Temperature adjustment during AUTO

- Air temperature adjustment is possible even during automatic operation. There are 6 levels of adjustment possible with the button or the button. When a change in temperature is desired.

1 Press the or button.

- Each time the button is pressed, the switch over occurs in the following order: +6 → +5 → +4 → +3 → +2 → +1 → +0 → -1 → -2 → -3 → -4 → -5 → -6.
  - When +6 is indicated, even if the button is pressed, the indicator does not change.

- Each time the button is pressed, the switch over occurs in the following order: -6 → -5 → -4 → -3 → -2 → -1 → +0 → +1 → +2 → +3 → +4 → +5 → +6.
  - When -6 is indicated, even if the button is pressed, the indicator does not change.

About FAN SPEED

- You can choose the capacity of your air-conditioner when heating, cooling or fan.

<table>
<thead>
<tr>
<th>Operation capacity by your choice</th>
<th>FAN SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set automatically by microcomputer</td>
<td>AUTO</td>
</tr>
<tr>
<td>Powerful operation with high capacity</td>
<td>HI</td>
</tr>
<tr>
<td>Standard operation</td>
<td>MED</td>
</tr>
<tr>
<td>Energy-saving operation</td>
<td>LO</td>
</tr>
</tbody>
</table>

Press the FAN SPEED button.

- Move the | mark to the desirable fan speed position.
COOL/HEAT/DRY/FAN mode operation procedure

Aim the remote control at the air-conditioner.

1. Press the MODE select button.
   Move the [] mark to the desirable operation position.
   • (Cool), • (Heat), • (Dry), • (Fan)

2. Press the ON/OFF button.

3. Press the TEMP button.
   Press or button for the desired temperature.
   Standard
   
   To stop: Press the ON/OFF button.

4. Press the FAN SPEED button
   Set the fan speed as desired.

Air flow direction adjustment procedure

Air-conditioner operating conditions

- Use within the following operational range. Operating outside of this range may result in the protection devices being activated, preventing the unit from working.

<table>
<thead>
<tr>
<th></th>
<th>Cooling operation</th>
<th>Heating operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside temperature</td>
<td>Approximately -15 to 46 °C</td>
<td>Approximately -15 to 21 °C</td>
</tr>
<tr>
<td>Inside temperature</td>
<td>Approximately 18 to 32 °C</td>
<td>Approximately 15 to 30 °C</td>
</tr>
<tr>
<td>Inside humidity</td>
<td>Below approximately 80% The long-term use of the unit with a humidity level exceeding 80% may result in condensation forming on the surface of the indoor unit, leading to water drips.</td>
<td>–</td>
</tr>
</tbody>
</table>

Characteristics of HEAT mode operation

Mechanism and capacity of HEAT mode operation

- Mechanism
  • The unit draws in heat from the cold outside air, transfers it indoors and heats the room. The heating capacity of the heat pump mechanism decreases when the outside air temperature gets colder.
  • The hot air circulation system takes a while before warming up the room temperature.
  • If the outside temperature becomes extremely low, it would be better to use an additional source of heating.

Defrosting

If the outside temperature becomes low and humidity is high, the heat exchanger in the outdoor unit may frost over, which prevents efficient heating. If this happens, the automatic defroster is activated and during defrosting the heating operation stops for 5 to 10 minutes.

- Both indoor and outdoor fans stop and the RUN light (green) blinks slowly (1.5 sec. ON, 0.5 sec. OFF) during defrosting.
- The outdoor unit may give off some steam during defrosting. This is to help the defrosting process and is not a defect.
- The HEAT operation resumes as soon as defrosting has been completed.

NOTE
- The air is not blown out during the operation.
Air flow direction adjustment procedure

Adjusting air flow direction

- Up/down direction can be adjusted with the AIRFLOW (UP/DOWN) button on the remote control. Each time when you press this button the mode changes as follows: Change to AIRFLOW (UP/DOWN) mode.

- Left/right direction can be adjusted with the AIRFLOW (LEFT/RIGHT) button on the remote control. Each time when you press this button the mode changes as follows: Change to AIRFLOW (LEFT/RIGHT) mode.

NOTE

- When heating operation starts, the cold air outlet is blocked, so the flap and louver move to the horizontal / center position, and resume the position that was set after the warm air output begins.
- When the compressor stops because the room temperature is higher than the temperature setting and it is in DEFROSTING operation, the flap and louvers will be in the horizontal / center position.
- The air flow direction cannot be set in the instances above. Change the air flow direction settings after the warm air starts flowing and it moves to the airflow direction that had been set.

MEMORY FLAP (FLAP OR LOUVER STOPPED)

When you press the AIRFLOW (UP/DOWN or LEFT/RIGHT) button once while the flap or louver is operating, it stops swinging at an angle. Since this angle is memorized in the microcomputer, the flap or louver will automatically be set at this angle when the next operation is started.

DANGER

- Avoid constant airflow to the body for hours on end.

CAUTION

- When in COOL or DRY operation, do not operate for hours on end with the air flow blowing straight down. Otherwise, condensation may appear on the outlet grill and drip down.
- Do not try to adjust the flaps and louvers by hand, as the control angle may change or the flap or louver may not close properly.

3D AUTO operation procedure

- Fan speed and air flow direction are automatically controlled, allowing the entire room to be efficiently conditioned.

1. Press the ON/OFF button.

2. Press the 3D AUTO button.

Each time the 3D AUTO button is pressed, the indicator is switched in the order of:

- 3D AUTO (3D AUTO)
- No indication (Normal operation)

Releasing procedure

Press the 3D AUTO button to turn off the 3D AUTO indicator.

NOTE

- 3D AUTO operation is cancelled when you switch the operation program.
- The 3D AUTO light illuminates during 3D AUTO operation.
- If 3D AUTO operation is cancelled, then the air flow direction changes to that used before 3D AUTO was set.
SLEEP operation procedure

- The unit stops automatically at the end of the set period of time. The room temperature is automatically controlled when the set time lapses, so that the room does not become too cold during cooling or too warm during heating. Page 11

1. Press the SLEEP button.

   - If this is pressed while the unit is off
     SLEEP operation starts with the previous operation settings, and the air conditioning is turned off after the time that has been set passes.
   
   - If this is pressed while the unit is running
     Each time the button is pressed, the indication changes as follows:

     ![Timer Indication]

     Example: You wish it to stop after 7 hours.

     Set to

     The timer light (yellow) is on.

     - The unit stops at the end of the set period of time.

Changing of set time

Set to a new time by using SLEEP button.

Releasing procedure

Press the CANCEL button to turn off the SLEEP indicator.

OFF-TIMER operation procedure

- The unit stops automatically at the end of the set period of time. If it is stopped, perform the operations starting with STEP 1 and if running start with STEP 2. Example: You wish it to stop 22:30.

1. Press the ON/OFF button.

2. Press the OFF TIMER button.

   OFF TIMER indicator is blinking.

3. Press the “-” or “+” button.

   Each time the “-” button is pressed, the indicator is switched in the order of:

   ![Timer Indication]

   Each time the “+” button is pressed, the indicator is switched in the order of:

   ![Timer Indication]

   Set at 22:30.

4. Press the OFF TIMER button.

   Press within 60 sec.!

   The indication changes from blinking to steady lighting and the setting is complete.

   The timer light (yellow) is on.

   - The unit stops at the end of the set period of time.

Changing of set time

Set a new time by using the OFF TIMER button.

Releasing procedure

Press the CANCEL button to turn off the timer indicator.

NOTE

- SLEEP operation will not function during ALLERGEN CLEAR operation.
- Cannot be set at the same time as OFF-TIMER.
- Unlike SLEEP operation, automatic temperature adjustment is impossible during OFF-TIMER operation.
ON-TIMER operation procedure

1. Press the ON-TIMER button. ON TIMER indicator is blinking.

2. Press the “-” or “+” button.
   - Each time the “-” button is pressed, the indicator is switched in the order of:
     - 0:00 → 0:10 → 0:20 → 1:00 → 1:10 (Units of ten minutes)
   - Each time the “+” button is pressed, the indicator is switched in the order of:
     - 0:00 → 23:50 → 23:40 → 23:00 → 22:50 (Units of ten minutes)
   - Set at 8:00.

3. Press the ON TIMER button.
   - The indication changes from blinking to steady lighting and the setting is complete.
   - The TIMER light (yellow) is on.
   - Operation starts 5 to 60 minutes before the set time.
   - The TIMER light goes out at the set time.

Example: In the case you wish to bring the temperature to nearly set temperature in at 8:00.

Press the ON-TIMER button.
ON TIMER indicator is blinking.

Press the “-” or “+” button.
Each time the “-” button is pressed, the indicator is switched in the order of:
0:00 → 0:10 → 0:20 → 1:00 → 1:10 (Units of ten minutes)
Each time the “+” button is pressed, the indicator is switched in the order of:
0:00 → 23:50 → 23:40 → 23:00 → 22:50 (Units of ten minutes)
Set at 8:00.

Press the ON TIMER button.
The indication changes from blinking to steady lighting and the setting is complete.
The timer light (yellow) is on.
• Operation starts 5 to 60 minutes before the set time.
• The TIMER light goes out at the set time.

Changing of set time
Set a new time by using the ON-TIMER button.

Releasing procedure
Press the CANCEL button to turn off the timer indicator.

NOTE
• The present time is not displayed during ON-TIMER operation.
• ON-TIMER operation will not function during ALLERGEN CLEAR operation.

SLEEP operation + ON-TIMER operation procedure

Combined timer operation of SLEEP operation and ON TIMER.

Example: When it is desired to stop after 3 hours and then start operation at 8:00, near the set temperature.

SLEEP operation setting
Set by the procedures on page 9.
Set to

ON TIMER operation setting
Set by the above mentioned ON TIMER operation procedure.
Set to

The setting of the lighting of the timer light (yellow) of this unit is complete.
• After the SLEEP operation set time has elapsed, the operation stops, and it starts from 5 to 60 minutes before the ON TIMER’s time.
• The timer light is not lit at the ON TIMER’s time.

Changing of set time
Set a new time by using the SLEEP or ON TIMER button.

Releasing procedure
Press the CANCEL button to turn off the timer indicator.
**PROGRAM TIMER operation procedure**

The timer operations that consist of the combination of the timer being set at both on and off. Once this has been set and operations started, operations will commence and end at the same time every day as long as the ON/OFF button is not pressed.

Example: When it is desired to stop at 22:30, and then start operation at 8:00, near the set temperature.

- **OFF TIMER operation setting**
  
  Set by the procedures on page 9. Set to 22:30

- **ON TIMER operation setting**
  
  Set by the procedures on page 10. Set to 08:00

The setting of the lighting of the timer light (yellow) of this unit is complete.

The time will be displayed on the remote control unit. The display will change depending on the operational status.

- **Changing of set time**

  Set a new time by using the OFF TIMER or ON TIMER button.

- **Releasing procedure**

  Press the CANCEL button to turn off the timer indicator.

---

**ALLERGEN CLEAR operation procedure (SRK SERIES ONLY)**

The power of enzymes is used to eliminate allergy-causing allergens that accumulate on the allergen clear filter.

Aim the remote control at the air-conditioner.

1. Press the ALLERGEN CLEAR button.

To stop: Press the ON/OFF or ALLERGEN CLEAR button.

**NOTE**

- Since the room temperature may change quite a bit, it is recommended that this be used when no one is in the room. (It completes automatically in approximately 90 min.)
- During ALLERGEN CLEAR operation temperature, fan speed, air flow direction and timer operations settings cannot be made.
HIGH POWER/ECONOMY operation procedure

If the air-conditioner is not operating, aim the remote control at the air-conditioner.

1. Press the ON/OFF button.
2. Press the HI POWER/ECONO button.
   - When the operating mode is AUTO, COOL or HEAT
     Each time the HI POWER/ECONO button is pressed, the indicator is switched
     in the order of:
     - No indication
     - (HIGH POWER)
     - (ECONOMY)
     - (Normal operation)
   - When the operating mode is DRY or PROGRAM TIMER
     Each time the HI POWER/ECONO button is pressed, the indicator is switched
     in the order of:
     - No indication
     - (ECONOMY)
     - (Normal operation)

Concerning HIGH POWER operation

Pressing the HI POWER/ECONO button intensifies the operating power and initiates powerful cooling or heating operation for 15 minutes continuously. The remote control (HIGH POWER) indicates but the FAN SPEED indication is erased.

NOTE
- During the HIGH POWER operation, the room temperature is not controlled. When it causes an excessive cooling or heating, press the HI POWER/ECONO button once more to cancel the HIGH POWER operation.
- HIGH POWER operation is not available during the DRY, the program timer and 3D AUTO operations.
- During ON timer operation, HIGH POWER operation will start when the ON time is reached.
- When the following operations are conducted HIGH POWER operation will be canceled.
  1. When the HI POWER/ECONO button is pressed again.
  2. When the operation mode is changed.
  3. When it has been 15 min. since HIGH POWER operation has started.
  4. When the 3D AUTO button is pressed.

Concerning ECONOMY operation

Pressing the HI POWER/ECONO button inflates a soft operation with the power suppressed in order to avoid an excessive cooling or heating. The unit operates 1.5°C higher than the setting temperature for weak wind capacity during cooling or 2.5°C lower than that during heating. The remote control (ECONOMY) indicates but the FAN SPEED indication is erased.

NOTE
- It will go into ECONOMY operation the next time the air-conditioner runs in the following instances.
  1. When the air-conditioner is stopped using the ON/OFF button.
  2. When the air-conditioner is stopped in SLEEP or OFF TIMER operation.
  3. When CLEAN or ALLERGEN CLEAR operation ends.
- When the following operations are conducted ECONOMY operation will be canceled.
  1. When the HI POWER/ECONO button is pressed again.
  2. When the operation mode is changed DRY to FAN.
Concerning CLEAN operation

CLEAN operation should be run after AUTO, COOL, and DRY operation to remove the moisture from inside the indoor unit and control the growth of mold and bacteria.

1. Press the CLEAN switch with the tip of a ballpoint pen.

   Each time the CLEAN switch is pressed, the indicator is switched in the order of:
   - CLEAN on
   - CLEAN off
   - No indication

To stop: Press the ON/OFF button.

NOTE

- CLEAN operation is impossible after HEAT and FAN, OFF-TIMER, SLEEP and ALLERGEN CLEAR operations have stopped.
- The indoor unit fan runs for about two hours in CLEAN operation.
- The RUN light illuminates during CLEAN operation.
- Pressing the SLEEP button or ALLERGEN CLEAR button during CLEAN operation cancels the CLEAN operation and the unit then sets itself to SLEEP or ALLERGEN CLEAR operation.
- This is not a function for removing mold, germs or grime that have already adhered to the unit.

Emergency run operation

- The unit ON/OFF button on the unit operates ON/OFF temporarily when the remote control is not used.

  Operation program
  - OPERATION MODE : AUTO
  - FAN SPEED : AUTO
  - AIR FLOW : AUTO

- Operation starts by pressing the unit ON/OFF button; it stops if you press the button again.

NOTE

- Do not hold the Unit ON/OFF button down for more than 5 seconds.
  (Holding it down longer than 5 seconds sets the automatic cooling used during servicing or when moving the air-conditioner.)

Power blackout auto restart function

- What is power blackout auto restart function?
  - Power blackout auto restart function is a function that records the operational status of the air-conditioner immediately prior to it being switched off by a power cut, and then automatically resumes operations at that point after the power has been restored.
  - The following settings will be cancelled:
    ① Timer settings
    ② HIGH POWER operations

NOTE

- The power blackout auto restart function is set at on when the air-conditioner is shipped from the factory. Consult with your dealer if this function needs to be switched off.
- When power failure occurs, the timer setting is cancelled. Once power is resumed, reset the timer.
Installation location setting

- Take the air conditioning unit’s location into account and adjust the left/right airflow range to maximize air-conditioning.

1. If the air conditioning unit is running, press the ON/OFF button to stop.
   The installation location setting cannot be made while the unit is running.

2. Press the AIR FLOW (UP/DOWN) button and the AIRFLOW (LEFT/RIGHT) button together for 5 seconds or more.
   The installation location display illuminates.

3. Setting the air-conditioning installation location.
   Press the AIR FLOW (LEFT/RIGHT) button and adjust to the desired location. Each time the AIR FLOW (LEFT/RIGHT) button is pressed, the indicator is switched in the order of:
   (Center Installation) (Right End Installation) (Left End Installation)

4. Press the ON/OFF button.
   The air-conditioner’s installation location is set.
   Press within 60 sec.!
   The air-conditioner’s installation location display illuminates.

Air conditioner installation location and airflow range

The diagram below indicates the airflow ranges corresponding to the air-conditioner’s installation location. Consider your room’s layout and set the airflow range to maximize conditioning effectiveness.

Airflow range (Left End Installation)
Airflow range (Center Installation)
Airflow range (Right End Installation)
Operating hints

■ Please observe the following for the most economic and comfortable use of your unit.

Set a suitable room temperature.
Excessively high or low temperatures are not good for your health and waste electricity.

Clean the filters frequently.
Clogged filters may block the air flow and cause less efficient operation.

Adjust the airflow direction properly.
Adjust the up/down and left/right airflow to ensure a steady room temperature.

Operate the unit only when needed.
Use the timer properly to operate the unit only when needed.

Generate little heat when cooling.
Keep heat sources out of the room as much as possible.

Remote control handling procedure

Replacing the batteries

The following cases signify exhausted batteries. Replace old batteries with new ones.

- Receiving beep is not emitted when a signal is transmitted.
- Indicator fades away.

1. Remove back lid and take out old batteries.

2. Insert new batteries.
R03 (AAA, Micro) x 2

3. Close back lid.

4. Press the reset switch with the tip of a ballpoint pen.
The timer setting mode is indicated.

NOTE
- Don’t use old and new batteries together.
- Remove the batteries when the remote control is not used for a long period.
- The life of a battery conforming to JIS or IEC should be 6 to 12 months with normal use. If used longer, or when an unspecified battery is used, liquid may leak from the battery, causing the remote control to malfunction.
- On the battery is printed its expected life. This may be shorter than that of the air-conditioner, depending on the date of manufacture. However, the battery may still be in working order after expiry of its nominal life.

When the indicator shows any abnormal condition, Press the reset switch with the tip of a ballpoint pen.

Using the remote control holder

The remote control can be attached to a wall or pillar by using a remote control holder. Before installing the remote control, check that the air-conditioner receives the signals properly.

For installing or removing the remote control, move it up or down in the holder.

Warning note for remote control handling

Strictly prohibited

- Don’t go near high temperature places, such as an electric carpet or stove.
- Don’t leave the remote control exposed to direct sunlight or other strong lighting.
- Don’t put any obstructing obstacles between the remote control and the unit.
- Don’t spill water etc on the remote control.
- Don’t do not place heavy objects on the remote control, or step on it.
- Don’t drop the remote control. Handle with care.
- Don’t put any obstructing obstacles between the remote control and the unit.

When the operation fails with the remote control

- Are the batteries running down?
   Replace the batteries with new ones and repeat the operation.

- If the operation still fails, handle as per emergency run operation.
   Replace the batteries with new ones and repeat the operation.

Contact your dealer.

Operating hints

■ Please observe the following for the most economic and comfortable use of your unit.

Set a suitable room temperature.
Excessively high or low temperatures are not good for your health and waste electricity.

Clean the filters frequently.
Clogged filters may block the air flow and cause less efficient operation.

Adjust the airflow direction properly.
Adjust the up/down and left/right airflow to ensure a steady room temperature.

Operate the unit only when needed.
Use the timer properly to operate the unit only when needed.

Generate little heat when cooling.
Keep heat sources out of the room as much as possible.
**Maintenance**

**Before maintenance**

- Turn off the power switch.

- Don’t spill water.

- Don’t touch the aluminum fins on the heat exchanger.

- Stand firmly on a stepladder or other stable object when removing the inlet panel and filter.

- Don’t use the following articles:
  - Hot water (40°C or more)
  - Petrol, paint thinner, benzine or polishing agents, etc.
  - They may deform or scratch the unit.

**During the operational season**

- Cleaning the air filter
  1. Remove the air filter
     ① Pull up to this side the air inlet panel.
     ② Lightly hold the knobs at both sides and lift a little to remove the panel to this side.

- Cleaning
  - If the filter is very dirty, clean it with warm water (approx. 30°C), and dry it thoroughly.
  - **CAUTION**
    - Don’t clean the filters with boiling water.
    - Don’t dry them over an open flame.
    - Pull them out gently.

- Reinstall the air filter
  - Holding firmly the filter at both sides as shown at right and insert securely.
  - Operating without putting back the air filters will make the unit dusty, and may cause damage.

- Cleaning the unit
  - Wipe the unit with a soft, dry cloth, or use a vacuum cleaner.
  - If the unit is very dirty, wipe it with a cloth soaked in warm water.

**How to open the air inlet panel**

Place fingers at the recesses on both sides of the panel and pull up the panel to this side so that it will be opened by about 60 degrees.

**How to close the air inlet panel**

Push both sides evenly and press further lightly at the center.

**Removal, installation of air inlet panel**

When removing the air inlet panel for internal cleaning or others, open the panel by 80 degrees and then pull it to this side.

Secure the upper edge of the air inlet panel by lightly pushing it in, and then close the panel.
Stop the unit and turn off the power switch. The unit uses appr. 2W even when the power switch has been turned off during the off-season for safety or for saving energy. At the beginning of the season
1. Make certain that there are no obstacles blocking the air flow around the air intake and outlet openings of the indoor and outdoor units.
2. Check the installation base for corrosion or rust.
3. Ensure that nothing has snapped and that the earthed flex is not disconnected.
4. Ensure that the air filters are clean.
5. Turn on the power switch.
6. Insert batteries in the remote control.

At the end of the season
1. Perform the fan operation for a half day. Dry the inside of the unit.
2. Stop the unit and turn off the power switch. The unit uses appr. 2W even when the power switch has been turned off during the off-season for safety or for saving energy.
3. Clean and reinstall the air filters.
4. Clean both the indoor and outdoor units.
5. Remove batteries from the remote control.

Installing, inspecting, and replacing the air-cleaning filter
1. Open the air inlet panel and remove the air filters.
2. Remove the filter holders, with the air-cleaning filter installed in the folders, from the air-conditioner.
3. SRK20 ~ 50ZG-S Remove the allergen clear filter from filter holder and inspect the filter. Use a vacuum cleaner to remove any dust or dirt from the allergen clear filter. Replace the allergen clear filter if it cannot be cleaned or if it has been for about 1 year. (The allergen clear filter should be replaced after about 1 year of use. However, the actual replacement period may vary depending on the conditions in which the filter is used.) Remove the photocatalytic washable deodorizing filter from the filter holder and inspect the filter. Periodically, remove any dust or dirt from the photocatalytic washable deodorizing filter. If the photocatalytic washable deodorizing filter is particularly dirty, it may be washed with water. However, the filter is fragile so be sure to wash it installed in the filter holder to avoid damaging it. After washing the filter, place it in sunlight to dry. Placing the filter in sunlight revitalizes the deodorizing effect.
   DXK09 ~ 18Z2-S Remove the natural enzyme filter from each filter holder and inspect the filters. Use a vacuum cleaner to remove any dust or dirt from the natural enzyme filters. Replace the natural enzyme filters if they cannot be cleaned or if they have been used for about 1 year. (The natural enzyme filters should be replaced after about 1 year of use. However, the actual replacement period may vary depending on the conditions in which the filters are used.) (Do not dispose of the filter holders. They are reused.)
4. Install the air-cleaning filter in the filter holders, and then install the filter holders in the air-conditioner.
5. Install the air filters and closed the air inlet panel.

NOTE
The allergen clear filter and the photocatalytic washable deodorizing filter may be installed on either the right or left side of the air-conditioner.

For replacement the air-cleaning filter, contact your dealer.

<table>
<thead>
<tr>
<th>Item</th>
<th>Feature</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allergen clear filter</td>
<td>The power of enzyme is used to eliminate allergy-causing allergens that accumulate on the filter.</td>
<td>Light orange</td>
</tr>
<tr>
<td>Photocatalytic washable deodorizing filter</td>
<td>Sources of odors on the filter are broken up, resulting in a deodorizing effect.</td>
<td>Orange</td>
</tr>
<tr>
<td>Natural enzyme filter</td>
<td>By using the work of enzyme, mold and bacteria on the filter are destroyed and the room air is kept clean.</td>
<td>Green</td>
</tr>
</tbody>
</table>
Has the unit been installed correctly?

**Suitable installation position**

- Is there any obstruction in front of the indoor unit, preventing proper ventilation and functioning?
- Don’t install the unit in any of the following places:
  - Where there is a danger of leaking inflammable gases.
  - Where there is substantial splashing of oil.
  - Malfunctioning due to corrosion may occur if the unit is installed in a spa where sulfide gases are generated, or in a seaside resort exposed to sea breezes. Contact your dealer.
  - The air-conditioner and remote control must be at least 1 metre away from a TV set or radio.
  - Drain the dehumidified liquid from the indoor unit into a spot that drains well.

**Pay attention to operating noises!**

- When you install the unit, take care to choose a place that can comfortably stand the weight of the unit and does not increase the operating noise or vibration. If there is any likelihood that vibration may be transmitted through the house, fix the unit with the aid of vibration-proof pads between the unit and the fittings.
- Select a place where cold or hot air and operation noises from the indoor and outdoor units do not cause any inconvenience to your neighbours.
- Do not leave any obstacles near the outlet and inlet of the outdoor unit. This may cause malfunctioning and increased operating noise.
- If you hear an irregular noise during operation, contact your dealer.

**Inspection and maintenance**

Dependent upon service conditions and operating environment, the inside of the air-conditioner may become dirty after a number of seasons’ service (3 to 5 years). This will reduce performance. In addition to normal cleaning, we would recommend inspection and maintenance. (The air-conditioner has a longer life without any trouble.)

- Contact your dealer, or any distributor, for inspection and maintenance. (There will be a charge for this service).
- We would recommend inspection and maintenance to be carried out during the off-season.
- If the supply cord of this appliance is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

**Troubleshooting**

Please carry out the following checks before making a service call.

<table>
<thead>
<tr>
<th>The air-conditioner does not work at all.</th>
<th>Poor cooling or heating</th>
<th>Poor cooling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Has the power switch been turned off?</td>
<td>Has the timer been set in the “ON” position?</td>
<td>Is there a direct sunlight entering the room?</td>
</tr>
<tr>
<td></td>
<td>Is there a power failure or a blown fuse?</td>
<td>Is there a heat source in the room?</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Are there too many people in the room?</td>
</tr>
</tbody>
</table>

If the air-conditioner does not operate properly after you have checked the left points, or if any doubt still exists after you have consulted page 19, or if things happen as shown on page 20, switch off the power and contact your dealer.

An alternative refrigerant (R410A) is used in this air-conditioner. When asking the dealer for service or inspection and maintenance, explain the dealer about this matter.
### Please remember!

<table>
<thead>
<tr>
<th><strong>You cannot restart the unit immediately after you have stopped it.</strong></th>
<th><strong>Restarting has been blocked for 3 minutes after you have stopped or after switching off the power during operation, to protect the unit.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="RUN light blinks slowly" /></td>
<td><img src="image" alt="Please wait for three minutes" /></td>
</tr>
<tr>
<td>Air is not blown out for 5 to 10 min. or blown out not warm wind for a moment at HEATING operation.</td>
<td>Air flow has stopped to prevent blowing out of cold air until the indoor heat exchanger has warmed up. (2 to 5 min.) (HOT KEEP)</td>
</tr>
<tr>
<td><img src="image" alt="RUN light blinks slowly" /></td>
<td><img src="image" alt="The three-minute protection timer in the microcomputer automatically starts up again." /></td>
</tr>
<tr>
<td>Air is not blown out when starting the DRY operation.</td>
<td>The indoor fan may stop to prevent re-evaporation of dehumified moisture and to save energy.</td>
</tr>
<tr>
<td><img src="image" alt="RUN light blinks slowly" /></td>
<td><img src="image" alt="The indoor fan may stop to prevent re-evaporation of dehumified moisture and to save energy." /></td>
</tr>
<tr>
<td>Some steam escapes during COOL operation.</td>
<td>This may occur if the room's temperature and humidity are very high. It disappears as soon as the temperature and humidity decrease.</td>
</tr>
<tr>
<td><img src="image" alt="You hear a slight gurgling sound." /></td>
<td><img src="image" alt="You hear a slight cracking sound." /></td>
</tr>
<tr>
<td>You hear a slight gurgling sound.</td>
<td>This is caused by refrigerating liquid moving within the unit.</td>
</tr>
<tr>
<td><img src="image" alt="You hear a slight cracking sound." /></td>
<td><img src="image" alt="You hear a slight cracking sound." /></td>
</tr>
<tr>
<td>You hear a slight cracking sound.</td>
<td>This is caused by heat expansion or contraction.</td>
</tr>
<tr>
<td><img src="image" alt="Remote control signals are not received." /></td>
<td><img src="image" alt="Remote control signals are not received." /></td>
</tr>
<tr>
<td>Remote control signals are not received.</td>
<td>Remote control signals may not be received if the signal receiver on the air-conditioner is exposed to direct sunlight or other bright light. If so, cut out the sunlight or reduce the other light.</td>
</tr>
<tr>
<td><img src="image" alt="Moisture may form on the air outlet grills." /></td>
<td><img src="image" alt="Whistling noise is heard from the outdoor unit." /></td>
</tr>
<tr>
<td>Moisture may form on the air outlet grills.</td>
<td>If the unit is operated for a long time in high humidity, moisture may form on the air outlet grills and start dripping.</td>
</tr>
<tr>
<td><img src="image" alt="Whistling noise is heard from the outdoor unit." /></td>
<td><img src="image" alt="Whistling noise is heard from the outdoor unit." /></td>
</tr>
<tr>
<td>Whistling noise is heard from the outdoor unit.</td>
<td>The noise means that the revolution speed is picking up on the compressor.</td>
</tr>
<tr>
<td><img src="image" alt="Fan won't stop immediately after unit operation was stopped." /></td>
<td><img src="image" alt="Fan won’t stop immediately after unit operation was stopped." /></td>
</tr>
<tr>
<td>Fan won’t stop immediately after unit operation was stopped.</td>
<td>Indoor fan : Fan will not stop after 2 hours if set to CLEAN operation. Outdoor fan : Fan will not stop about a 1 minute period in order to protect the unit.</td>
</tr>
<tr>
<td><img src="image" alt="RUN light stays on even though operation was stopped." /></td>
<td><img src="image" alt="RUN light stays on even though operation was stopped." /></td>
</tr>
<tr>
<td>RUN light stays on even though operation was stopped.</td>
<td>The RUN light illuminates during CLEAN operation. Run light turns off when CLEAN operation ends.</td>
</tr>
</tbody>
</table>
When to contact your distributor without delay

<table>
<thead>
<tr>
<th>The fuse or switch blows continuously.</th>
<th>The cable becomes extremely hot. The covering of the cable is cracked.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Fuse often blows" /></td>
<td><img src="image2" alt="CAUTION" /></td>
</tr>
<tr>
<td><img src="image3" alt="The fuse or switch blows continuously." /></td>
<td><img src="image4" alt="The cable becomes extremely hot. The covering of the cable is cracked." /></td>
</tr>
</tbody>
</table>

The TV, radio or other equipment starts to malfunction.

- A switch does not activate properly.
- You hear a strange noise during operation.

When faulty movement is observed when the ON/OFF button is pressed, even after turning off the power switch and restarting the operation after 3 minutes, the faulty movement does not disappear.

- The RUN and TIMER lights on the unit indication section blink quickly (0.5 sec. ON; 0.5 sec. OFF) and don’t work.

Self diagnosis function

- We are constantly trying to do better service to our customers by installing such judges that show abnormality of each function as follows:

<table>
<thead>
<tr>
<th>RUN light</th>
<th>Description of trouble</th>
<th>Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 time flash</td>
<td>Heat exchanger sensor error</td>
<td>Broken heat exchanger sensor wire, poor connector connection</td>
</tr>
<tr>
<td>2 time flash</td>
<td>Indoor fan motor error</td>
<td>Defective fan motor, poor connector connection</td>
</tr>
<tr>
<td>3 time flash</td>
<td>Outdoor temperature sensor error</td>
<td>Broken outdoor temperature sensor wire, poor connector connection</td>
</tr>
<tr>
<td>4 time flash</td>
<td>Discharge pipe sensor error</td>
<td>Broken discharge pipe sensor wire, poor connector connection</td>
</tr>
<tr>
<td>5 time flash</td>
<td>Current cut</td>
<td>Compressor locking, open phase on compressor output, shortcircuit on power transistor, closed service valve</td>
</tr>
<tr>
<td>6 time flash</td>
<td>Over current</td>
<td>Overload operation, overcharge</td>
</tr>
<tr>
<td>7 time flash</td>
<td>Power transistor error</td>
<td>Broken power transistor</td>
</tr>
<tr>
<td>8 time flash</td>
<td>Over heat of compressor</td>
<td>Gas shortage, defective discharge pipe sensor, closed service valve</td>
</tr>
<tr>
<td>9 time flash</td>
<td>Error of signal transmission</td>
<td>Defective power supply, Broken signal wire, defective in/outdoor unit boards</td>
</tr>
<tr>
<td>10 time flash</td>
<td>Outdoor fan motor error</td>
<td>Defective fan motor, poor connector connection</td>
</tr>
<tr>
<td>11 time flash</td>
<td>Rotor lock</td>
<td>Defective compressor</td>
</tr>
</tbody>
</table>

When the fuse or switch blows continuously:

- Fuse often blows.

When the cable becomes extremely hot:

- The covering of the cable is cracked.

If the power cord becomes damaged, ask your dealer or a qualified engineer to install the replacement to avoid accidents.

When the TV, radio or other equipment starts to malfunction:

- A switch does not activate properly.
- You hear a strange noise during operation.

When faulty movement is observed when the ON/OFF button is pressed, even after turning off the power switch and restarting the operation after 3 minutes, the faulty movement does not disappear.

- The RUN and TIMER lights on the unit indication section blink quickly (0.5 sec. ON; 0.5 sec. OFF) and don’t work.

When to contact your distributor without delay:

- Turn off the power switch immediately and inform your dealer in any of the following situations:
  - The fuse or switch blows continuously.
  - The TV, radio or other equipment starts to malfunction.
  - When faulty movement is observed when the ON/OFF button is pressed, even after turning off the power switch and restarting the operation after 3 minutes, the faulty movement does not disappear.
  - The RUN and TIMER lights on the unit indication section blink quickly (0.5 sec. ON; 0.5 sec. OFF) and don’t work.

When faulty movement is observed when the ON/OFF button is pressed, even after turning off the power switch and restarting the operation after 3 minutes, the faulty movement does not disappear.

- The RUN and TIMER lights on the unit indication section blink quickly (0.5 sec. ON; 0.5 sec. OFF) and don’t work.
This air conditioner complies with EMC Directive 89/336/EEC, LV Directive 73/23/EEC.


Dieses Klimagerät erfüllt die EMC Direktiven 89/336/EEC, LV Direktiven 73/23/EEC.

Questo condizionatore d’aria è conforme alla Direttiva EMC 89/336/EEC, LV Direttive 73/23/EEC.

Este acondicionador de aire cumple con la directiva EMC 89/ 336/EEC, LV Directiva 73/23/EEC.

Este aparelho de ar condicionado está em conformidade com a Diretiva EMC 89/336/EEC e a Diretiva LV 73/23/EEC.

Апаратът е съответствен за електромагнитна съвместимост на Директива EMC 89/336/ЕЕС, и Директива LV 73/23/ЕЕС.

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