
Ce climatiseur est conforme à la directive CEM 2004/108/CE (remplacée par la directive 2014/30/UE le 20/04/2016) et à la directive basse tension 2006/95/CE (remplacée par la directive 2014/35/UE le 20/04/2016). La marque CE s’applique aux régions alimentées en courant de 50 Hz.


Questo condizionatore d’aria è conforme alla Direttiva EMC 2004/108/CE (sostituita dalla Direttiva 2014/30/UE il 20/04/2016) e alla Direttiva LV 2006/95/CE (sostituita dalla Direttiva 2014/35/UE il 20/04/2016). Il marchio CE è applicabile alla fascia di alimentazione 50 Hz.

Este equipo de aire acondicionado cumple con la Directiva de Compatibilidad Electromagnética: 2004/108/CE (reemplazada por la Directiva 2014/30/UE el 20/04/2016), y con la Directiva de Baja Tensión 2006/95/CE (reemplazada por la Directiva 2014/35/UE el 20/04/2016). La indicación CE sólo corresponde al área de suministro eléctrico de 50 Hz.

Deze airconditioner voldoet aan EMC-Richtlijn 2004/108/CE (vervangen door 2014/30/UE op 22/04/2016), en aan de NEDERLANDS LV 2006/95/CE (vervangen door 2014/35/UE op 22/04/2016). De CE-markering is van toepassing op het gebied met een netstroom van 50 Hz.

Este aparato de ar acondicionado está en conformidad con a Directiva EM 2004/108/CE (reemplazada por la Directiva 2014/30/UE el 20/04/2016) e a Directiva LV 2006/95/CE (reemplazada por la Directiva 2014/35/UE el 20/04/2016). A marca CE aplica-se a zona de fornecimento de energia a 50 Hz.

Ο οπλίτης CE αναφέρεται σε περιοχές όπου η τροφοδοσία είναι 50 Hz.

Пожалуйста, обратитесь к документации, поставляемой с eco touch дистанционным управлением.

Este manual es una traducción al inglés y no es un manifiesto legal. Las especificaciones válidas figuran en el manual de instrucciones que se suministrará en el momento de la instalación del equipo.
Thank you very much for your purchase of this packaged air conditioning system produced by Mitsubishi Heavy Industries. Please read through this manual before using the product and use the product appropriately according to the instructions in the manual. After you have read the manual, store it with the warranty certificate in a safe place. It will help you when you have questions or problems.

Do not vent R410A into the atmosphere: R410A is a fluorinated greenhouse gas specified in the Kyoto Protocol and its Global Warming Potential (GWP) is 1975. The emission sound pressure level from each Indoor and Outdoor unit is under 70 dB(A).

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### SAFETY PRECAUTIONS

**Please read these “SAFETY PRECAUTIONS” before starting to use this product and use the product appropriately according to the instructions.**

The precautions provided here are classified into “△ DANGER” and “△ CAUTION”. The “△ DANGER” sections describe potentially hazardous situations that may lead to serious outcomes such as death and serious injuries if the product is mishandled. Note, however, that depending on the situation, the items listed in the “△ CAUTION” sections do also have the potential of causing serious outcomes. Both warnings and cautions provide you important information related to safety; please make sure to observe them.

The symbols used throughout the main text of this manual have the following meaning.

- △ marks mean danger, alarm, and caution. The specified prohibited item is described in the triangle. The left mark means “Shock hazard alarm.”
- ○ marks mean prohibited items. The specified prohibited item is described in the circle or in the vicinage.
- ● marks mean compulsory action or instruction. The specified prohibited item is described in the circle. The left mark means “Earth is needed”.

**After you have read the manual, always store it where other users can refer to at any time. If a new owner takes over the system, make sure to pass this manual.**

### INSTALLATION PRECAUTIONS

- △ marks mean compulsory action or instruction. The specified prohibited item is described in the circle. The left mark means “Earth is needed”.

Make sure to have the installation done by your dealer or a specialist.

If you install by yourself and the unit is not properly installed, water leakage, electric shock, fire and injuries caused by the drop of the unit may occur.
The preventive measures that the density of leaked refrigerant does not exceed the limit is necessary in case of installing the unit in a small room. The leakage of refrigerant may cause oxygen deficiency accident. Consult your dealer for the measures.

**CAUTION**

Make sure to perform grounding work. Do not connect grounding wire to any gas pipe, water pipe, conductor rods or telephones. Incomplete grounding may cause electric shock through leakage of electricity.

Make sure to mount a leakage breaker. Otherwise electric shock may occur. Please consult your dealer or a specialist for the mounting.

Do not mount where flammable gas leakage can happen. If leaked gas stagnates in the unit, the gas may cause fire.

Make sure to layout the drain pipe so that the water is completely drained. Otherwise, water may leak and wet household goods.

**OPERATION PRECAUTIONS**

**DANGER**

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.

Do not expose yourself directly to cooled air flow for a long time or cool too much. It may be cause of deconditioning or health disorder.

Do not insert fingers or sticks into the air inlet or outlet grilles. It may cause injuries because of the fan rotating at high speed.

If the unit has been submerged under water due to a natural disaster such as flood or typhoon, consult your dealer before using it again. If you use it as it stands, it may lead to failure, electric shock or fire.

If any abnormal symptom (scorched flavor etc.) is found, cut off the power and stop the operation. Then consult your dealer. If you use it as it stands, it may lead to failure, electric shock or fire.

One of the causes of poor cooling or poor heating may be refrigerant leakage. Please consult your dealer.

If the repair requires additional refrigerant, determine the service with the service staff. The refrigerant of air conditioner is not toxic. Normally the refrigerant does not leak. But if it leaks and contacts fire such as fan heater, space heater or cooking heater, it may produce toxic chemicals.

Do not insert fingers or sticks even if air blower does not operate. It may suddenly operate and cause injuries.

**CAUTION**

Do not use for particular purpose such as the storage of food, animals and plants, precision apparatus and arts etc. Storage goods may degrade.

Do not operate the button with wet hand. It may cause electric shock.

When a burning appliance is used together with the unit, ventilate frequently. If ventilation is not sufficient, it may cause oxygen deficiency accident.

Do not place a burning appliance where the airflow from the unit is directly blown. It may cause the imperfect combustion of the equipment.

Make sure that the unit installation foundation is not damaged due to long-term use. If it is left to stand, the unit may fall down causing injury.

Do not wash the unit with water, nor place a vase with water on the unit. It may cause electric shock or ignition.
Do not install the unit where the airflow is directly blown to animals and plants. They may suffer from adverse effect.

Before cleaning, make sure to stop operation and cut off the power. The fan inside rotates at high speeds.

Make sure to use proper size of fuse. Using steel wire or copper wire may lead to failure or fire.

Do not store a flammable spray etc. near the unit, nor blow directly to the unit. It may lead to fire.

Before maintenance, make sure to stop operation and cut off the power. The fan inside rotates at high speeds.

When the unit isn’t used for a long-term, cut off the power. The accumulation of dirt may lead to heat generation or fire. But, before resuming the operation, turn on the unit for six hours beforehand to save harmless.

Do not place any other electric appliances or household goods below or around the air conditioner. Dripping from the unit may lead to failure or contamination.

Do not touch the aluminum fin. Otherwise it may lead to injuries.

Do not clean the inside of the indoor unit by yourself. Make sure to consult your dealer or user inquiry counter specified by our company. If you select incorrect detergent or improper method, resin parts may be damaged and lead to water leakage. If the detergent is dropped on the electric component or motor, it may lead to failure, smoking or ignition.

Do not place objects on the outdoor unit, nor mount on it. It may lead to injuries resulting from dropping or falling.

During the operation or maintenance, do not use an unstable footrest. It may lead to injuries resulting from falling.

Be careful so that the dust does not get into your eyes when removing the air filter.

Do not operate the air conditioner while the air filter is removed. Piled up dust may lead to malfunction.

During thunderstorm, stop the operation and turn off the switch. A lightning strike may lead to failure.

After several seasons of operating, inspections and maintenances are required except routine care and cleaning. Accumulated dirt or dust inside the indoor unit may cause odor, water leakage through the clogging of water discharging pipe for dehumidification. Specialized information and skills are required for inspections and maintenances. Therefore contact your dealer.

Do not place any object around the outdoor unit, nor allow fallen leaves to pile up. Fallen leaves may induce insects and worms in them, and they may lead to failure, ignition or smoking by touching electric components.

Do not use with inlet/outlet grilles or other panel removed. Otherwise, it may lead to injuries.

Do not operate or stop the unit by using the power supply switch. It may lead to fire or water leakage. If auto restart is set effectively, the fan may rotate suddenly causing injuries.

Do not touch blowout port when the swing louver moves. Otherwise, it may lead to injuries.

Do not strain the remote control cord. A part of core wire may be cut off causing electric leakage.

Do not use water heater etc. near the indoor unit or remote control. If a Vapor-generating appliance is used near them, it may lead to water drop causing electric leakage or short circuit.

Do not use the unit where powder or fiber is floating. Fine powder or fiber passing through the air filter may stagnate inside the unit and lead to electric leak or short circuit.

Do not place objects under the unit which must avoid being exposed to water. Over 80 percent humidity or the clogging of drain pipe may damage them through dew dropping.
Before repairing or checking indoor unit, be sure to turn off “Indoor unit power supply breaker”. It can result in electric shock or injury due to rotation of indoor unit fan if you perform check or repair with the “Indoor unit power supply breaker” turned on.

Place the panels removed for repairing or checking on the stable spot. Otherwise, dropping or falling may lead to injury.

### NAMES AND FUNCTIONS OF REMOTE CONTROL BUTTONS (WIRED REMOTE CONTROL)

- **Ventilation display**: Displayed during ventilation operation. See page 12.
- **Weekly timer display**: Displays the settings of the weekly timer.
- **Operation setting display area**: Displays setting temperature, airflow volume, operation mode and operation message.
- **Operation/check indicator light**: During operation: Lit in green. In case of error: Flashing in red.
- **Operation/stop button**: This button is used to operate and stop the air conditioning system. Press the button once to operate the system and press it twice to stop the system.
- **MODE button**: This button is used to change the operation mode.
- **FAN SPEED button**: This button is used to set the airflow volume.
- **VENT button**: This button is used to operate external ventilator. See page 12.
- **LOUVER button**: This button is used to operate/stop the swing louver. See page 12.
- **SET button**: This button is used to fix the setting. This button is used to set the silent mode. See page 5 to 12.
- **CHECK button**: This button is only used by service engineers for installation purposes.
- **TEST button**: This button is used during test operation.
- **RESET button**: If you press this button while making settings, you can go back to the previous operation. See page 5 to 12.
- **E.S.P. button**: This button is only used by service engineers for installation purposes.

### PRECAUTIONS FOR RELOCATION OR REPAIRING

**CAUTION**

Never perform any modification. Contact your dealer for repairing. Improper repairing may lead to water leakage, electric shock or fire. Normally the refrigerant does not leak. But if it leaks and contacts fire such as fan heater, space heater or cooking heater, it may produce toxic chemicals. When repairing refrigerant leakage, determine the service with the service staff that the repair has been finished without fault.

If it is required to relocation and reinstall the unit, consult your dealer or a specialist. Improper installation of air conditioning unit may cause water leakage, electric shock and/or fire.

### PRECAUTIONS FOR WASTE DISPOSAL

Your Air Conditioning product may be marked with this symbol. It means that waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) should not be mixed with general household waste. Air conditioners should be treated at an authorized treatment facility for re-use, recycling and recovery and not be disposed of in the municipal waste stream. Please contact the installer or local authority for more information.
## HOW TO OPERATE

### < WIRED REMOTE CONTROL >

1. **Press ▶️ ON/OFF button.**
   - The unit starts operating.

2. **Press ▶️ MODE button.**
   - The range of operation mode is displayed according to the model of indoor unit.
   - Every time the button is pressed, the display changes in the following order: dry → cool → fan → heat → auto.
   - **Example display for auto-operation enabled:**
     ```
     COOL...........26 to 28°C
     DRY.............21 to 24°C
     HEAT............22 to 24°C
     FAN............Setting unnecessary
     AUTO..........
     ```

3. **Press TEMP button.**
   - Press ▼ or ▲ button to set the room temperature.

4. **Press ▶️ FAN SPEED button.**
   - The range of fan speed modes is displayed according to the model of indoor unit.
   - At 4-speed ............. The unit operates with the maximum fan speed.
   - At 3-speed .............
   - At 2-speed .............
   - At 1-speed ............. The operation is invalid.

5. **Press ▶️ LOUVER button.**
   - If the indoor unit is equipped with the auto swing function, press the ▶️ LOUVER button once and current louver status is displayed.
   - If the indoor unit is not equipped with the auto swing function, the message "Turn off" is displayed.

### Guideline for room temperature setting

<table>
<thead>
<tr>
<th>Mode</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOL</td>
<td>26 to 28°C</td>
</tr>
<tr>
<td>DRY</td>
<td>21 to 24°C</td>
</tr>
<tr>
<td>HEAT</td>
<td>22 to 24°C</td>
</tr>
<tr>
<td>FAN</td>
<td>Setting unnecessary</td>
</tr>
<tr>
<td>AUTO</td>
<td></td>
</tr>
</tbody>
</table>

### Setting temperature

- **Fan speed**
  - ▶️
- **Operation**
  - ▶️
- **Setting**
  - ▶️

### Functions of each timer operation

- **Sleep timer**
  - When the specified period of time elapses, operation stops.
  - 10 options are available, from "an hour later OFF" to "10 hours later OFF."
  - The unit will stop when the setting time is reached.
- **OFF timer**
  - The unit stops operating at the setting time.
  - It will operate one time per setting.
- **ON timer**
  - The unit starts to operate at the setting time.
  - The temperature can be set together. It will operate one time per setting.
- **Weekly timer**
  - You can set up to four ON/OFF timers per day.
  - Once Weekly timer is set, it repeats every week.

### Functions of each button

- **ON/OFF button**
  - **There may be a case that "ON/OFF"** is displayed when any button mentioned in the above is pressed, but it is not a malfunction.
  - In that case, the operation of the button is prohibited.
  - When you start to operate the unit for the first time after turning the power supply on, the default settings are listed below. You can change them as you like.
    - **Central control** ............. Turned off
    - **Operation changeover** ........ With auto mode: auto cooling
    - **Without auto mode: cooling**
    - **Set temperature** ............. 23°C
    - **Fan speed** ............. Maximum
    - **Louder position** ............. Horizontal

### NOTICE

- **If you press ▶️ ON/OFF button while timer mode is under setting,** timer mode is canceled and the display will return to the original one. Note that the setting which has not been completed is canceled.
- **If you have set the ON timer mode and either the OFF timer or Sleep timer mode at the same time,** the OFF timer (or Sleep timer) precedes the ON timer.
- **If you press the ▶️ Timer button and ▶️ Sleep timer** is displayed, the button cannot be operated because the button operation is disabled. If you want to make the button effective, consult your dealer.
- **If you do not press any button for several minutes after pressing the ▶️ Timer button,** Timer mode ends and the display returns to the original one.
- **When the weekly timer setting recovers from power failures,** the setting data (four settings per day) remain stored, but holiday settings will automatically override the settings for each day.

### HOW TO PERFORM THE TIMER OPERATION

### < WIRED REMOTE CONTROL >

1. **Press ▶️ TIMER button.**
   - The mode changes to timer mode.
   - "Current day of the week" and "Current time" are displayed.
   - **Example display for timer mode:**
     ```
     | Day     | Time |
     |---------|------|
     | MON     | 1:00 |
     | TUE     | 1:00 |
     | WED     | 1:00 |
     | THU     | 1:00 |
     | FRI     | 1:00 |
     | SAT     | 1:00 |
     | SUN     | 1:00 |
     ```

2. **Press ▼ or ▲ button.**
   - By pressing ▼ or ▲ button, it is possible to choose the item to set.
   - **Example:**
     ```
     | Mode   | Setting |
     |--------|---------|
     | Sleep  | 1:00    |
     | OFF    | 1:00    |
     | ON     | 1:00    |
     | Weekly | 1:00    |
     ```

3. **Press ▶️ SET button.**
   - The selected timer mode is set.
   - For setting of each timer mode, see the following pages.
   - The possible combination of the timer function is mentioned in the following table.

### Combination of modes that can be set together ( (): possible ✗: impossible)

<table>
<thead>
<tr>
<th>Mode</th>
<th>Sleep timer</th>
<th>OFF timer</th>
<th>ON timer</th>
<th>Weekly timer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sleep</td>
<td>✗</td>
<td></td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>OFF</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>ON</td>
<td>✗</td>
<td></td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>Weekly</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
</tbody>
</table>

### ▶️ RESET button

- If you press the ▶️ RESET button, timer mode ends and returns to original status.
HOW TO PERFORM THE TIMER OPERATION  < WIRED REMOTE CONTROL >

SETTING THE TIME

Timer operation is performed based on the time of the clock which is set by the following steps. Make sure to set the time to the current time correctly.

1. Press TIMER button.
   The mode changes to timer mode.
   "Current day of the week" and "Current time" are displayed.

2. Press SET button.
   The display area shows:
   [ Sun Mon Tue Wed Thu Fri Sat ]
   [ 1:00 ]
   [ Clock set ]
   [ Set DAY ]

3. Press ▲ or ▼ button.
   Place the "▼" mark above the day of the week to the current day.
   Press ▲ and ▼ mark to move to the right and the left respectively.
   If you press the RESET button, the remote control will return to the previous screen and display "Clock Set ▼".

4. Press SET button.
   The day of the week is fixed, and the flashing of ▼ mark stops and lights.
   The "current time" value flashes, and "Set TIMER" is displayed.

5. Press ▲ or ▼ button.
   Set to the current time.
   If you press the RESET button, the display is returned to the one in step 1.

6. Press SET button.
   The flashing for time display stops and lights, and "Clock set ▼" is displayed to show that the current time is set.
   Two seconds later, the display in step 4 returns, and "Clock set ▼" is displayed.

7. Press ON/OFF button.
   The timer mode is finished.

SLEEP TIMER MODE

After a certain period of time has elapsed, operation stops.
- Sleep timer
   The unit stops after the set time elapses.

1. Press TIMER button.
   ['Clock Set ▼' → 'Sleep Timer']

2. Press ▼ button once.
   ['Clock Set ▼' flashes, 'Sleep Timer' lights.

3. Press SET button.
   [EXAMPLE]  "1" flashes.
   ['Clock Set ▼' lights.

4. Press ▲ or ▼ button.
   The display changes as below. Set as you like.
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - "Sleep timer has been set.
     The air conditioner will turn on if a sleep timer is set while it is turned off.
   - "Sleep timer has been set.
     The unit stops after the set time elapses.
   - "Sleep timer has been set.
     The remaining time is displayed, and changes in an hourly basis. When the setting time elapses, the unit stops operating.
   - "Sleep timer has been set.
     The remaining time is displayed, and changes in an hourly basis. When the setting time elapses, the unit stops operating.

OFF TIMER MODE

The unit stops operating at the setting time. This setting is effective for only once.

1. Press TIMER button.

2. Press ▼ button twice.
   ['Clock Set ▼' → 'Sleep Timer' → 'Off Timer']

3. Press SET button.
   [EXAMPLE]  "1" flashes, "Off Timer" lights.

4. Press ▲ or ▼ button.
   Set the time at which you want to stop the operation.
   - Set "Hour" If you press ▲ or ▼ button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.
   - If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

5. Press SET button.
   Off timer has been set.
   After "Off Timer" is displayed in the display area, the display in step 4 returns.
   "If set to 6:00 PM"
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - 1 2 3 4 5 6
   - The unit stops operating at 6:00 PM.
   - The time display is also turned off.

6. Press ON/OFF button.
   The timer mode is finished.

NOTICE

- If you press ON/OFF button while timer mode is under setting, timer mode is canceled and the display will return to the original one. Note that the setting which has not been completed is canceled.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

ATTENTION

Once the OFF timer is set, it is not possible to start operation. If you would like to operate the air conditioner, press ON/OFF button before hand to turn on.

NOTICE

- If you press ON/OFF button while timer mode is under setting, timer mode is canceled and the display will return to the original one. Note that the setting which has not been completed is canceled.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

• If you press ▲ or ▼ button while timer mode is under setting, timer mode is canceled and the display will return to the original one.

• If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

• If you press ▲ or ▼ button while timer mode is under setting, timer mode is canceled and the display will return to the original one.

• If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.
HOW TO PERFORM THE TIMER OPERATION

< WIRED REMOTE CONTROL >

ON TIMER MODE

The unit starts to operate at the set time. It is possible to set temperature at which you want to start the operation. Only one setting is applicable to each operation.

1. Press TIMER button.
2. Press ▼ button for three times. (lights) SET button.
3. Press [EXAMPLE] S:00 flashes, (lights) SET TIMER is displayed in the display area.
4. Press ▲ or ▼ button. Set the preferred time to start the operation.
   - Set "Hour". If you press ▲ or ▼ button for a while, "Hour" display is changed by one hour, and stops when you stop pressing.
   - Set "Minute". If you press ▲ or ▼ button, the number in the display becomes larger or smaller by ten minutes.
5. Press ▲ or ▼ button. ON timer has been set.
   - The left image is displayed in the display area.
   - Set the mark above the day of the week to the day to be set for timer setting. Press ▲ and ▼ marks will move flashing. Press the ▲ button again, and multiple ▼ marks will appear and flash above "MON" to "FRI". The same schedule can be applied to all the days indicated with the ▼ marks.
   - If you press ▲ or ▼ button while timer mode is under setting, timer mode is canceled and the display will return to the original one.
   - If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

WEEKLY TIMER MODE

Selection of Weekly timer mode

You can set up to four ON/OFF timers per day.

1. In the Weekly timer mode, select "TIER SET ▼" and press SET button to confirm.
   - See step 1 to 5 in "Selection of Weekly timer mode" above
   - "1 MON THU FRI SAT" (▼ is flashing) is displayed in the display area.
2. Press ▲ or ▼ button. Set the ▼ mark above the day of the week to the day to be set for timer setting. Press ▲ and ▼ move to the right and left respectively ▲ and ▼ will move flashing.
   - If you press the ▲ button, the day ("SUN" to "SAT") indicated by the flashing ▼ mark will change one day at a time. If you press the ▲ button when the ▼ mark is indicating "SAT", multiple ▼ marks will appear and flash above "MON" to "FRI". Press the ▲ button again, and multiple ▼ marks will appear and flash above "SUN" to "SAT" (every day). The same schedule can be applied to all the days indicated with the ▼ marks by using this function.
   - Press RESET button to return to "selecting Weekly timer mode screen", and "TIER SET ▼" is displayed.
3. Press ▲ or ▼ button. Up to four schedules can be set for each day. Select the timer schedule number you want to set. Set either ON timer or OFF timer for each single operation. (See the left EXAMPLE)
   - Four operations can be set with only ON timer or only OFF timer.
4. Press ▲ or ▼ button. The ▼ mark above the day stops flashing and lights, which indicates that the setting is fixed.
5. Press ▲ or ▼ button. The selected mode is fixed.

NOTICE

- If you press the OFF button while timer mode is under setting, timer mode is canceled and the display returns to the original one.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.
- ON timer and either Sleep timer or OFF timer are set together, the temperature of ON timer is not displayed.
- ON timer and either Sleep timer or OFF timer are set together, OFF timer (or Sleep timer) precedes.

* Four operations can be set with only ON timer or only OFF timer.
**NOTICE**

- **HOW TO PERFORM THE TIMER OPERATION**
  - **< WIRED REMOTE CONTROL >**

5 Press SET button.  
- mark next to a number lights.  
- ON Timer or OFF Timer is displayed.  
The settings so far are effective and the display changes as shown on the left.

6 Press ▲ or ▼ button.  
Press ▼ button and OFF Timer ▼ is displayed.  
Select either of the above two.  
Press the button to return to the display in step 3.

7 Press SET button.  
- OFF TIMER ▼ is displayed.

8 Press ▲ or ▼ button.  
Set the time.  
Press the button to return to the display in step 6.

9 Press SET button.  
When time display lights, the time is fixed.  
In case of OFF timer setting, setting process is completed on this step.  
A ▼ mark lights (MON ➔ SAT) under the day of the week which you set and the display appears as the left image.  
Proceed to "Next setting and Exiting Weekly timer Mode" on the right page.  
In case of ON timer setting, "TEMP SET ON ▼" is displayed, proceed to step 10.

10 Press ▲ or ▼ button.  
Select either "TEMP SET ON ▼" or "TEMP SET OFF ▼".

11 Press SET button.  
In case "TEMP SET OFF ▼" has been selected, ON timer setting process is completed.  
A ▼ mark lights (MON ➔ SAT) under the day of the week which you set and the display appears as the left image.  
Proceed to "Next setting and Exiting Weekly timer Mode" on the right page.  
In case "TEMP SET ON ▼" has been selected, "DEST SET ▼" is displayed.  Proceed to step 12.

12 Press the temperature setting buttons ▼ or ▼.  
Press the ▲ or ▼ button to increase or decrease by 1°C.  
Set the temperature at the start of operation.  
Press the button to return to the display "TEMP SET ON ▼".

13 Press SET button.  
ON timer setting with start-up temperature has been completed.  
The value of the temperature stops flashing and lights.  
A ▼ mark lights (MON ➔ SAT) under the day of the week which you set and the display appears as the left image.  
Proceed to "Next setting and exiting Weekly timer mode" on the right page.

---

**Display after Weekly timer modes setting**

- **NOTICE**

- **< WIRED REMOTE CONTROL >**

- **Next setting and exiting Weekly timer mode**
  - After "SELECT ▼" is displayed, "SELECT ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▵
HOW TO PERFORM THE TIMER OPERATION

Weekly timer Holiday Setting

It is possible to temporarily disable each day’s timer setting by using the Holiday Setting. When the Holiday Setting is cancelled, the timer setting is enabled again.

1. In the Weekly timer mode, select and set “HOLIDAY SET”.
   ◆ See “Selection of Weekly timer mode” step 1 to 5 on page 7.
   - “HOLIDAY SET” is displayed in the display area
   - “••••” is displayed.
   - “••••” is displayed in the display area
   - “••••” is displayed.

2. Press ▲ or ▼ button.
   Move the “••••” mark displayed above the days of week to the day which you want to set as Holiday.
   Press ▲ and ▼ to move to the right and left respectively.
   If you press the ▲ button, the day (“SUN” to “SAT”) indicated with the flashing “••••” mark will change one day at a time. If you press the ▼ button when the “••••” mark is indicating “SAT”, multiple “••••” marks will appear and flash above “MOR” to “FRI”. Press the ▲ button again, and multiple “••••” marks will appear and flash above “SUN” to “SAT” (every day). The same schedule can be applied to set the days indicated with the “••••” marks by using this function. This can be used in case you would like to apply Holiday setting to these days.
   - In case you press the [□] RESET button, the remote control will return to the previous screen and display “HOLIDAY SET”.

3. Press [□] SET button.
   The “••••” mark above the day stops flashing and lights, and the day set as a holiday also lights enclosed with ( ). Then, the following is displayed.
   - [ ] SETDAY (lights)
   - [ ] SETDAY (lights for two seconds)
   After the Holiday setting has been completed, the display of the remote control returns to that of step 1. Repeat step 2 and 3 to continue setting further holidays.

NOTICE

- If you set a day of the week for which no timer operation is set, “HOLIDAY SET” is displayed for two seconds and the display returns to the original one.

Canceling Holiday Setting

1. In the Weekly timer mode, select and set “HOLIDAY SET”.
   ◆ See “Selection of Weekly timer mode” step 1 to 5 on page 7.
   - “HOLIDAY SET” is displayed in the display area
   - “••••” is displayed.

2. Press ▲ or ▼ button.
   Move the “••••” mark displayed above the days of week to the day on which you want to cancel Holiday setting.
   Select the day of the week that has been set as Holiday.

3. Press [□] SET button.
   The “••••” mark above the selected day of week will change one day at a time.
   If you press the ▲ button, the day (“SUN” to “SAT”) indicated with the flashing “••••” mark will change one day at a time. If you press the ▼ button when the “••••” mark is indicating “SAT”, multiple “••••” marks will appear and flash above “MOR” to “FRI”. Press the ▲ button again, and multiple “••••” marks will appear and flash above “SUN” to “SAT” (every day). The same schedule can be applied to set the days indicated with the “••••” marks by using this function. This can be used in case you would like to apply Holiday setting to these days.
   - In case you press the [□] RESET button, the remote control will return to the previous screen, and display “HOLIDAY SET”.

4. Press [□] ON/OFF button.
   Timer mode ends.

Weekly timer Checking

1. In the Weekly timer mode, select and set “CHECK/CANCEL”.
   ◆ See “Selection of Weekly timer mode” step 1 to 5 on page 7.
   The display shows the detailed timer operation setting information of the smallest timer operation number on the day of the week as shown on the left. (But if not set, “HOLIDAY SET” is displayed.)

2. Press ▲ or ▼ button.
   Detailed timer operation settings are displayed in accordance with the timer operation you have selected.
   Press ▼ button to display from Sunday and the lowest timer operation number.
   Press ▲ button to display the settings in the reverse order.
   Select the timer operation number on a day of the week you want to cancel.
   - If you press the [□] RESET button, the remote control will return to the previous screen, and display “CHECK/CANCEL”.

3. Press [□] SET button.
   “CHECK/CANCEL” is displayed.
   If you press the [□] RESET button, the remote control will return to the previous screen, and display “CHECK/CANCEL”.

4. Press [□] SET button.
   “CHECK/CANCEL” is displayed, and the displayed detail timer operation setting disappears and is canceled.
   “CHECK/CANCEL” is displayed again.
   Repeat step 2 to 4 to continue canceling other settings.

5. Press [□] ON/OFF button.
   Timer mode ends.
HOW TO OPERATE IN SILENT MODE < WIRED REMOTE CONTROL >

SILENT MODE

When the silent mode is set, the unit operates more silently reducing noise from the outdoor unit.

1. In the timer mode, set the current day of the week and current time.
   See page 6 step 1 to 7
2. Press SET button for three seconds or more.
   The remote control goes into silent mode setting and the following is displayed.
3. Press ▲ or ▼ button.
   Select “CANCEL” in step 2, press ▲ or ▼ button to confirm.
   The settings are displayed as shown below. (But if not set, “ON TIME SET” is displayed)
4. Press ▲ or ▼ button.
   The settings are displayed as shown below.
   If you would like to quit cancellation, press the ▲ or ▼ button while setting, and returns to original display.
5. Press ▲ or ▼ button to set the duration.
   Select OFF time.
   When you press ▲ or ▼ button, the number in the display becomes larger or smaller by ten minutes.
6. Press SET button.
   The following setting is displayed.
7. Press ▲ or ▼ button to set the duration.
   Select OFF time.
   When you press ▲ or ▼ button, the number in the display becomes larger or smaller by ten minutes.
8. Press SET button.
   The setting is fixed and displayed.

NOTICE

• The remote control has main-sub units, silent setting cannot be operated with sub unit.
• After the silent mode is set, the following is displayed for three seconds at the time set and the unit returns to the original display.
• At the ON time: “SILENT MODE ON”
• At the OFF time: “SILENT MODE OFF”
• If you select “ON TIME” for three seconds and returns to original display.

Canceling Silent Mode (Setting)
Select “CANCEL” in step 2, press ▲ or ▼ button, and silent setting is canceled ending the silent mode.

NOTICE

• The remote control has main-sub units, silent setting cannot be operated with sub unit.
• After the silent mode is set, the following is displayed for three seconds at the time set and the unit returns to the original display.
• At the ON time: “SILENT MODE ON”
• At the OFF time: “SILENT MODE OFF”
• If you select “CANCEL” for three seconds, you can continue the silent mode until it is canceled. At the first ON time, the display shows “SILENT MODE OFF” for three seconds and returns to original display.

If you would like to quit cancellation, press the ▲ or ▼ button while setting, and returns to original display.

In case “OFF TIMER” or “ON TIMER” was selected.

The detailed setting of selected timer mode is displayed as shown below.
(But if not set, “ON TIME SET” is displayed)

- Display EXAMPLE when “OFF TIMER” is selected.

If you would like to quit cancellation, press the ▲ or ▼ button to confirm.

The display of the detailed timer setting is turned off, and after the message “CANCELLED” is displayed for two seconds, “ON TIME” display returns to “OFF TIME” display.

These operation settings cancel all days of the week.

In case "WEEKLY TIMER" was selected.

All the Weekly timer setting will be canceled if you proceed the following steps.
To cancel a part of the timer setting, please see “Canceling Weekly timer Mode Setting” on page 9.

5. Press ▲ or ▼ button to confirm.
   The day of the week display area turns off, and after the message “CANCELLED” is displayed for two seconds, the display returns to “OFF TIME” display.
   These operation settings cancel all days of the week.

6. Press ▲ or ▼ button to confirm.
   The day of the week display area turns off, and after the message “CANCELLED” is displayed for two seconds, the display returns to “OFF TIME” display.
   These operation settings cancel all days of the week.

7. Press ON/OFF button.
   The display returns to the original one.

8. Press SET button.
   The setting is fixed and displayed.

"COMPLETE" is displayed, and the silent mode setting ends. The display turns off, and returns to original display.
### HOW TO ADJUST THE LOUVER (IN CASE OF FDT, FDTC, FDE) < WIRED REMOTE CONTROL >

**ADJUSTING WITH LOUVER BUTTON (Indoor unit with auto swing function)**

Press  LOUVER button once, and the current status of louver is displayed.

<table>
<thead>
<tr>
<th>The display during auto swing</th>
<th>SWING</th>
<th>STOP</th>
<th>STOP</th>
<th>STOP</th>
<th>STOP</th>
</tr>
</thead>
<tbody>
<tr>
<td>The display with the louver position fixed</td>
<td>SWING</td>
<td>STOP</td>
<td>STOP</td>
<td>STOP</td>
<td>STOP</td>
</tr>
</tbody>
</table>

When you operate the swing louver

1. Press  LOUVER button, and change the display to “SWING”.

2. Press  LOUVER button once while the louver is swinging, and 4 stop positions are displayed every one second in order.
   - SELECT 1
   - SELECT 2
   - SELECT 3
   - SELECT 4

3. Press  LOUVER button once when the display of the louver comes to the position you desire. The display is switched to stop, and the position of louver is fixed.

   **Recommended louver fixed position**

   - COOL•DRY: SELECT 1
   - SELECT 2
   - SELECT 3
   - SELECT 4

   - HEAT: SELECT 1
   - SELECT 2
   - SELECT 3
   - SELECT 4

   **NOTICE**
   - For FDT and FDTC type, in case the louver No. to be set is uncertain, set any louver temporarily. The louver will swing when the setting is completed and it is possible to confirm the louver No. and the position. After that, choose the correct louver No. and set the top and bottom positions.
   - For FDE type, set louver No. 1. Other settings selected have no effect.

### HOW TO SET THE AIRFLOW DIRECTION (IN CASE OF FDT, FDTC, FDE) < WIRED REMOTE CONTROL >

It is possible to change the movable range of the louver on the air outlet from the wired remote control. Once the top and bottom positions are set, the louver will swing within the range between the top and bottom positions when swing operation is chosen.

With Ceiling cassette − 4 way − FDT and FDTC, it is also possible to apply different setting to each louver.

1. Stop the air conditioner and press  SET button and  LOUVER button simultaneously for three seconds or more.
   - The display shows all the positions of louver.
   - The following is displayed if the number of the indoor units connected to the remote control is one. Go to step 4.
   - The following is displayed if the number of the indoor units connected to the remote control are more than one.

2. Press  or  button (selection of indoor unit)

   **EXAMPLE**
   - 1/A001
   - 1/A002
   - 1/A003

3. Press  SET button (determination of indoor unit)

   Selected indoor unit is fixed.

   **EXAMPLE**
   - 1/A001
   - 1/A002
   - 1/A003

4. Press  or  button (selection of louver No.)

   Select the louver No. to be set according to the left figure.

   **EXAMPLE**
   - 1/A001
   - 1/A002
   - 1/A003

   **CAUTION**
   - For FDE, select “h1”.
   - Other louver No. settings have no effect.

5. Press  SET button (determination of louver No.)

   The louver No. to be set is confirmed and the display shows the upper limit of the movable range.

   **EXAMPLE**
   - If No.1 louver is selected, “h1” is displayed.
   - “h1” = current upper limit position

6. Press  or  button (selection of upper limit position)

   Select the upper limit of louver movable range.
   - “position 1” is the most horizontal, and “position 6” is the most downwards.
   - “position ---” is to return to the factory setting. If you need to change the setting to the factory setting, use “position ---.”

   **EXAMPLE**
   - No.1 UP1R2 (The most horizontal)
   - No.1 UP1R2 (The most horizontal)
   - No.1 UP1R2 (The most horizontal)
   - No.1 UP1R2 (The most horizontal)
   - No.1 UP1R2 (The most horizontal)
   - No.1 UP1R2 (Return to the position of shipment)
HOW TO SET THE AIR FLOW DIRECTION

7 Press \[ \text{(Set button)} \] (Fixing of the upper limit position)
The upper limit position is fixed and the setting position is displayed for two seconds. Then proceed to lower limit position selection display.

[EXAMPLE]  For Upper position 2, lower position 6

8 Press \[ \text{or} \] button (Selection of lower limit position)
Select the lower limit position of louver.
“position 1” is the most horizontal, and “position 6” is the most downwards.
“position --” is to return to the factory setting. If you need to change the setting to the factory setting, use “position --”.

[EXAMPLE]  For Upper position 2, lower position 6

9 Press \[ \text{(Set button)} \] (Fixing of the lower limit position)
The upper limit position and lower limit position are fixed, the set positions lights for two seconds, and then the setting is completed.

[EXAMPLE]  For Upper position 2, lower position 6

10 Press \[ \text{(On/Off button)} \]
Louver adjusting mode ends and returns to the original display.

NOTICE

- If you press \[ \text{RESET button during settings, the display will return to previous display. If you press \[ \text{button during settings, the mode will end and the original display will return, and the settings that have not been completed will become invalid.}

- When plural remote controllers are connected, louver position setting cannot be set by slave remote control.

HOW TO OPERATE VENTILATION (WHEN A VENTILATOR IS INSTALLED)

VENTILATION OPERATION NOT LINKED WITH UNIT’S OPERATION

1 Press \[ \text{(Vent button)} \]
“1” is displayed, and the ventilation operation begins.

Stop
Press \[ \text{(Vent button)} \] again.

NOTICE

- If no ventilator is connected, no operation can be performed by pressing the ventilation button. (“1” is displayed).

VENTILATION OPERATION LINKED WITH UNIT’S OPERATION

1 Press \[ \text{(On/Off button)} \]
If a ventilator is connected, ventilation will operate automatically. “1” is displayed.

Stop
Press \[ \text{(On/Off button)} \] again.

NOTICE

- No operation can be performed by pressing the ventilation button. (“1” is displayed).

FOR COMFORTABLE USE

Clean the filter frequently

- See page 16

If the filter is clogged:

- The cooling/heating capacity will get reduced. Moreover it leads to waste of electricity and larger operation noise.
- It may cause failure.
- Dew may form and drop during cooling.

Do not block the inlet and outlet grilles of the indoor and outdoor units.
Excessive load to the unit may cause failure.

Keep moderate room temperature
Too much cooling or heating is not good for your health. It will also waste the electricity.

- Block direct sunlight and prevent draft
- Block direct sunlight with blinds and curtains during cooling. Close the windows and doors except when ventilation is necessary.
- Adjust the airflow properly
- Do not expose yourself directly to the air flow for too long time. For small animals and plants, it is harmful as well.
- If you feel cold underneath your feet during heating
  If the ceiling is so high that the warm airflow does not circulate underneath your feet, it is recommended to use a circulator.
  Consult your dealer for more detail.
- Stop the operation and turn the power supply off if there are any possibility of lightning strikes during a thunderstorm.
- Lightning strikes may lead to the failure of air-conditioning system.
WHEN THE CHECK INDICATOR LIGHT (RED) FLASHES

The air conditioner stops in the event any trouble occurs. At the same time, the check indicator light flashes in red and the error code is displayed in the ON timer display area and the trouble is displayed in the display area.

1) "PROTECT STOP"

(Air conditioner number) (lights for 2 seconds by turns)

Error code

1) Press RESET button.

The cumulative operation hours are reset and the "FILTER CLEANING" message turns off.

2) Press AIR CON No. button. Enter AIR CON No. display mode.

3) Press ON/OFF button. Return to the AIR CON No. of the lowest number.

If errors have occurred for some of the connected AIR CON units.

Only the units for which errors have occurred stop operating.

The remote control shows the operating units.

1) Press AIR CON No. button. AIR CON No. display mode appears.

2) Press button. AIR CON No. are displayed in order from the lowest. And error codes are displayed on the unit in trouble. Press button to display in the reverse order.

3) Press ON/OFF button. Return to the AIR CON No. of the lowest number.

NOTICE

• If ON/OFF button is pressed once while errors are displayed, the errors display is turned off, and the stop mode returns.

• Do not use old and new batteries together.

• When the signal is transmitted, the AIR CON does not display reception.

• When you press each button of wireless remote control, make sure it is sent to the air conditioner, the signal is transmitted. If the air conditioner receives the signal correctly, the light on the air conditioner blinks.

• The air conditioner receives the signal correctly, the light on the air conditioner blinks.

• The air conditioner stops in the event any trouble occurs.

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• Do not use old and new batteries together.
HOW TO USE < WIRELESS REMOTE CONTROL >

HOW TO OPERATE

In order to protect both indoor/outdoor air conditioners, keep the power supply on for six hours before initial operation. Do not turn off the power supply. (Power is distributed to the crankcase heater, even if the compressor is stopped. This keeps the compressor warm, and prevents failures caused by accumulation of liquid refrigerant.)

The operation of remote control must be performed slowly and steadily.

OPERATION

1. Press ON/OFF button.
   The operation display light (Green) turns on, and the operation starts.
   The setting status is displayed on the liquid crystal area on the remote control.

2. Press MODE button.
   Current operation mode is indicated with the ■ marks besides the operation mode icons.
   The mode will change in the following order by pressing the button.
   AUTO — COOL — HEAT

3. Press TEMP button.
   Set the room temperature by pressing or button.

4. Press FAN SPEED button.
   Set the fan speed by pressing or button.

5. Press AIR FLOW button.
   Effective AIR FLOW direction refer page 15
   AUTO mode operation — Interim mode — Intermediate Cooling, dehumidifying mode — Horizontal Heating mode — Downwards

   Stop
   Press ON/OFF button

Guideline of room temperature setting

| COOL | 26 to 28°C |
| DRY | 21 to 24°C |
| HEAT | 22 to 24°C |
| FAN | 20 to 25°C |

Guideline of air flow direction

Morning: AM After noon: PM

The displayed time changes by 1 minute when pressing the button.

Operation mode can be changed even when the unit stops.
* If you operate under the same condition (operation mode, set temperature, airflow, louver) just follow step 1, no other operations are necessary. The conditions which were set previously are indicated on the remote control.

OFF – TIMER OPERATION

Operation is stopped at the setting time.

EXAMPLE] If you would like to start the operation at AM 8:00

1. Press ON timer button.
   On timer display blinks.

2. Press or button to adjust to AM 8:00.
   Displayed time will be changed by 10 minutes by pressing the buttons.

3. Press ON timer button.
   • On timer display stops flashing and lights, and the setting is completed. (Press within 60 seconds)
   • TIMER/CHECK display lamp of the air conditioner lights. (The receiving part of indoor unit)
   • At AM 8:00, TIMER/CHECK display lamp turns off and the air conditioner will start operating.

CANCELLATION

• Press CANCEL button to turn off the TIMER display and timer is canceled.

• After TIMER setting, if ON/OFF button is pressed before the setting time, TIMER display turns off and the TIMER is canceled.

TIME CHANGE

Press ON TIMER button to set again.

CURRENT TIME SETTING PROCEDURE

The timer is set on the current time. Adjust the current time correctly at first of all.

EXAMPLE] AM (morning) 8:00 setting

1. Press TIME SET UP switch.
   Press it with the tip of ballpoint etc. The time display blinks and can be set to the current time.

2. Press or button to adjust to AM 8:00.
   Morning: AM After noon: PM
   The displayed time changes by 1 minute when pressing the button.
   • If or button is pressed during the blinking, fast-forward or fast-backward can be done.

   NOTICE
   • In case the buttons are not pressed for 60 seconds, the displayed time is set as current time without step 3.

   The value of the time displayed stops flashing and lights, and the setting is completed.

PROGRAM TIMER OPERATION

By setting both ON timer and OFF timer, the settings turn into PROGRAM timer mode. Operation and stopping can be performed at the same time of each day by setting program timer once.

EXAMPLE] If you would like to stop the operation at PM 9:00

1. Press ON/OFF button when the air conditioner starts to operate.
   OFF timer can be set only in case the air conditioner is in operation.

2. Press OFF timer button.
   OFF timer display blinks.

3. Press or button to adjust to PM 9:00.
   Displayed time will be changed by 10 minutes by pressing the buttons.

4. Press OFF timer button.
   • Off timer display stops flashing and lights, and the setting is completed. (Press within 60 seconds)
   • TIMER/CHECK display lamp of the air conditioner lights. (The receiving part of indoor unit)
   • At PM 9:00, TIMER/CHECK display lamp turns off and the air conditioner will stops operating.

CANCELLATION

• Press CANCEL button to turn off the TIMER display and timer is canceled.

• After TIMER setting, if ON/OFF button is pressed before the setting time, TIMER display turns off and the TIMER is canceled.

TIME CHANGE

Press OFF TIMER button to set again.

NOTICE

The same time cannot be set for OFF timer and ON timer.

changing the set time

Whenever the CANCEL button is pressed, both ON and OFF timer display will be turned off and the PROGRAM timer mode will be cancelled. The air conditioner stops operating.
**HOW TO ADJUST THE LOUVER**

**UP AND DOWN ADJUSTING**

How to move swing louver

Press AIR FLOW button when the air conditioner is in operation.

- The swing louver moves up and down, and the display moves too.

**NOTICE**

The louver position which the display shows is not synchronized with the actual position when the louver is swinging. But this is not a failure.

To fix the position of the swing louver

Press AIR FLOW button when the louver position indication comes to the position where you would like to fix it.

- Auto swing display stops at the position and then the swing louver stops and be fixed.

**NOTICE**

Press the button and auto swing display stops immediately, then the swing louver stops later, but this is not a failure. (Auto swing display and the actual louver movement of the air conditioner are not synchronized)

The swing louver movement during heat preparation

When “heat preparation” is displayed, the position of the swing louver sets horizontal automatically. (The display of remote control keeps the set position)

When heat preparation ends and normal operation starts, the position of the swing louver returns to the set position.

**FOR COMFORTABLE USE**

See page 12

**CHECK INDICATION, FILTER SIGN**

**WHEN SHORT FLASHING LIGHT**

There is something wrong with the air conditioner.

- Immediately after the timer/check indicator lamp flashes (lights for 0.5 seconds and blinks for 0.5 seconds), the air conditioner stops.
- Address No. and error code are shown on the display on the indoor unit.
- The monitor display is turned off after the display time elapses.
- When nothing is displayed on the monitor, operate the remote control or press the BACKUP button to resume.
- Please contact your dealer and inform them “address No. and error code”, “symptom of the trouble”, “air conditioner type” and “model name” etc.
- Press the ON/OFF button to stay the air conditioner on the stop mode.

**WHEN LONG FLASHING LIGHT**

When cumulative running time reaches to 120 hours, long flashing light (lights for 2 seconds and blinks for 1 second) is shed from the timer/check indicator lamp (yellow).

- After cleaning of filter, press the FILTER button on the remote control to turn off the filter cleaning sign. (Press the button for one second or more)

**NOTICE**

The cumulative running time for filter sign can be changed. Consult your dealer for more information.
**HOW TO MAINTAIN**

**How to clean the Air Filter**

Clean the filter frequently for economical operation.

- Caution Before cleaning, stop the operation and turn off the power supply. Otherwise, it may lead to injury as fan inside rotates at high speed.
- Caution The stepladder used for removing and attaching the air filter must be fixed firmly. Otherwise, it may lead to injury due to overturn or fall.
- Caution Be careful so that the dust does not get into your eyes when removing the air filter.
- Caution Do not operate the air conditioner while the air filter is removed. Piled up dust may lead to malfunction.

**How to remove**

Follow the instruction mentioned below according to the indoor unit type.

### Ceiling cassette −4 way− (FDT)

- **How to remove the grille**
  1. Hold the stoppers on the grille (2 places) to the “OPEN” direction (arrow mark ①), and then pull down to open the grille. Remove the hooks of the grille to dismount it.

- **How to remove the filter**
  1. Push holders (arrow mark ②) and filter frame (arrow mark ③’), and remove the filter from the holders. Then, slide the filter in the indicated direction (③) to remove it from the grille.

- **How to mount the filter**
  1. Ensure to insert the holders of the grille into the filter’s holes until clicking sounds are heard.

- **How to mount the grille**
  1. Mount the hooks of the grille to the holes on the panel. (The hooks on the grille can be mounted in all 4 directions.)
  2. Close the grille while pressing the stoppers on the grille (2 places) to the “OPEN” direction. Then, release the stoppers.

**Caution Mount the filter to the grille securely.**

Otherwise, it may lead to decreased efficiency due to leakage of flow from the gap.

**Caution Mount the grille securely.**

Otherwise, it may fall.

**Caution When the stopper is deformed or damaged, repair or replace without delay.** Otherwise, the grille may fall.

**How to handle inlet grille/filter**

**Removal**

**Mounting**

- **Ceiling cassette −4 way− Compact (600×600mm) − (FDTC)**

**Backup button**

In case of battery exhausted, or loss or any trouble of remote control, the air conditioner can be operated with the BACKUP button on the indoor unit display part.

- Ceiling suspended (FDE)
  - **Ceiling cassette −4 way− (FDT)**

- Ceiling cassette −4 way− Compact (600×600mm) − (FDTC)
How to clean

1. Wash away for cleaning. If it is not so dirty, tap it or use cleaner.
2. If it is very dirty, dissolve some neutral detergent in lukewarm water. Wash away for cleaning. If it is not so dirty, tap it or use a cleaner.

How to remove or clean it.

Air filter is attached when the air conditioner is installed, so consult your dealer about how to remove or clean it. Please take out the air filter by pulling carefully the both sides of the inlet grille.

1. Slide the lever of the inlet grille backward (→ direction) and open it downwards.
2. Pressing the inlet grille, press the filter to remove it from the tab and pull it downwards.
3. When mounting, press the lever forward until it snaps.
4. When the filter is put in place, insert the filter into the hooks on the inlet grille, and be sure to return the stopper to its original position.
5. When putting the inlet grille back in place, slide the levers in the opposite direction and check to be sure that the grille does not come open.

Maintenance of the unit

- Clean the unit by wiping with a piece of soft and dry cloth. If the unit is very dirty, wipe it with a piece of cloth wet with neutral detergent dissolved in lukewarm water and wipe it off with clean water.

At the end of the period of use (after a long period of use)

- Make sure to turn off the power supply. The air conditioner consumes several tens of watts electricity even if it is stopped.
- Clean the filter and mount it.
- Clean the indoor/outdoor units.

At the beginning of the period of use (after a long unused period)

- Make sure that there is no object blocking the airflow around the inlet and outlet grilles of the indoor/outdoor unit.
- Inspect the filter. If it is dirty, clean and mount it.
- Turn on the power supply button for 6 hours before starting the operation.

Ceiling cassette – 4 way Compact (600×600mm) – (FDTC)

Duct connected – High static pressure – (FDU)
Duct connected – Middle static pressure – (FDUM)

Air filter is attached when the air conditioner is installed, so consult your dealer about how to remove or clean it.

Ceiling suspended (FDE)

1. Slide the lever of the inlet grille backward (→ direction) and open it downwards.
2. Pressing the inlet grille, press the filter to remove it from the tab and pull it downwards.

Floor Standing (FDF)

1. Slide the inlet grille levers in the direction of the arrow (○), and open it downwards.
2. Release the inlet grille stopper.
3. Pull the filter towards you.
4. When the filter is in place, insert the filter into the hooks on the inlet grille, and be sure to return the stopper to its original position.
5. When putting the inlet grille back in place, slide the levers in the opposite direction and check to be sure that the grille does not come open.

Trouble shooting

Check the following items before requiring service.

POOR COOLING OR HEATING

Is the air filter clogged? Is there any obstacles blocking the air inlet and outlet grille?

Is the swing louver horizontal (during heating)? Is the direct daylight coming into the room?

Is the leakage breaker activated? Are there any unexpected heat sources in the room?

Is the air conditioning system sound as if water is draining from it? Are there too many people in the room?

The phenomena mentioned below is not malfunction.

The phenomena mentioned below is not malfunction.

The phenomena mentioned below is not malfunction.

The phenomena mentioned below is not malfunction.

The phenomena mentioned below is not malfunction.
### TROUBLESHOOTING

The phenomena mentioned below is not malfunction.

- **Slapping sounds are heard.** These sounds are generated when plastic components are expanded or shrunk by the heat and rubbed with each other.
- **Hissing sounds are heard when the operation is stopped or during defrost operation.** These sounds are generated when the refrigerant valve inside the air conditioning system is activated.
- **The air conditioner starts operation automatically as soon as the power supply is turned on.** In case the automatic restart function is enabled, and when the power supply recovers, the system restarts the operation automatically as same condition as before power supply is cut. [See below]
- **The setting temperature cannot be changed (the setting temperature display flashes).** If changing the set temperature is prohibited on the remote control, it is not possible to change the temperature setting even “△” or “▲” is pressed. [See right]
- **In case of wireless remote control, the unit does not operate with the inspection display light on the indoor unit flashing even though any button on the remote control is pressed.** Even if the wired remote control is operated, “central control” light only flashes and doesn’t operate.
- **Is not "central controlling" or "center" displayed?** If controlled with a separately purchased center console etc., the unit cannot be operated by the remote control.

### PREPARATION OF HEATING

**CASES WHEN "PREPARATION OF HEATING" IS DISPLAYED**

"PREPARATION OF HEATING" is displayed in the remote control display area in the following cases.

- For wireless devices, the on/off check display lamp on the main body display unit will flash green.
- Setting temperature and preparation of heating are displayed on the wired remote control.

1. **At Starting Heating Operation**
   In order to prevent cool air from blowing out, the airflow into the room may be stopped depending on the room temperature at the start of heating operation, please wait for a while and the operation automatically switches to the normal heating operation.

2. **At defrost operation (during heating operation)**
   When frost may easily formed on the outdoor unit, the heating operation automatically is stopped (both indoor/outdoor unit stop fan operation) for approximately 5 to 10 minutes per hour and defrosting is performed. After the defrosting is complete, the operation automatically switches back to the normal operation.

### HEATING OPERATION

- **Heat pump type**
  Heat pump type heating applies the mechanism that draws the heat from the outside air to warm up the room by means of the refrigerant.

- **Defrost operation**
  The heating efficiency of heat pump type air conditioner decreases as the outside temperature becomes lower. If the capacity of air conditioner for heating becomes difficult.

- **During heating with a heat pump type air conditioner, frost will be formed on the outdoor unit if the temperature outside the room drops.** If left alone, the heating efficiency decreases. In order to deal with this, the operation is automatically switched to defrost operation to remove the frost. During the period, the airflow of indoor/outdoor unit is stopped and "heating defrost" is displayed.

- **Out air temperature and heating capacity**
  The heating efficiency of heat pump type air conditioner decreases as the outside temperature becomes lower. If the capacity of air conditioner for heating is not sufficient, please use other heating device.

- **Time required until the room temperature increases**
  A heat type air conditioner circulates warm air to warm the entire room, so it takes a while to rise up the room temperature. It is recommended to start operation earlier on a very cold day.

- **When room temperature adjusting device operates during heating**
  If room temperature rises and the room temperature adjusting device is activated, the airflow becomes automatically low. When the room temperature drops, it switched back automatically to the normal operation.

### AUTO RESTART <WIRED REMOTE CONTROL>

**NOTICE**
An auto restart function, which is disabled at the factory setting, is applicable to the remote control. Consult your dealer.

- **What is auto restart**
  When a power failure occurs or the power supply is turned off, the function allows the system to automatically resume operation with the remote control setting made set before the power failure when the power supply recovery. If the system is stopped before power failure it remains stopped after the power supply recovery.

- **Note that in the following cases it is needed to set again with the remote control.**
  1. Timer setting is cancelled. But the sleep timer recovers after power failure recovers. When recovering from a power failure, holiday setting will override the weekly timer setting. And time setting returns to default. To return to original setting, after time setting, execute "holiday cancel".
  2. Louver stops at the horizontal position.

**NOTICE**
Make sure to stop the operation before turning off the power supply when the auto restart function is enabled. (If the power supply is turned off while the system is operating, the indoor unit fan will start immediately when the power supply is turned on. In addition, the outdoor unit starts operating 3 minutes after the power supply is turned on.)

### SETTING TO DISABLE BUTTON OPERATION <Wired remote control>

The following button operations can be disabled. If the button is disabled, “•” is displayed indicating that the button is disabled, and the original display returns. Consult your dealer for “SWITCH” setting.

- ON/OFF button
- TEMP button
- LOUVER button
- MODE button
- FAN SPEED button
- TIMER button

### INSTALLATION, RELOCATION, AND INSPECTION MAINTENANCE

Please observe the following points in order to use the air conditioner in a safe and comfortable manner.

#### INSTALLATION LOCATION

- **Is the system installed in a well-ventilated place?**
  - Are there any obstacles? If so, it leads to the decrease of the efficiency and the increase of operation noise.
  - Avoid the place where cool/warm air and operation noise cause problems to your neighbors.

#### ELECTRICAL WORK

- **Caution:** Make sure to perform grounding work
  - Do not connect the ground wire to any gas pipe, water pipe, or wires of lightning conductors and telephones. If the ground work is not good, it may lead to electric shock.

#### CAUTION

- **Caution:** A leakage breaker is necessary depending on the installation environment.
  - If it is not mounted there, it may lead to electric shock.

#### ONLY QUALIFIED SPECIALIST OF ELECTRICAL AND WORKING CAN DO THESE WORKS ACCORDING TO "ELECTRIC EQUIPMENT TECHNICAL STANDARDS".

- **odie**

#### INSTALLATION

- **Is the wiring designated for the air conditioner?**
  - If controlled with a separately purchased center console etc., the unit cannot be operated by the remote control.

#### CAUTION

- **Is the wiring work performed correctly?**
  - In the case of exposed wiring, is the wiring fixed with the attached screw?
  - Is the attached remote control clamps used for fixing the remote control cord?

#### RELATION

- **Warning:** Make sure to consult a dealer or specialist if it is required to relocate and reinstall the air conditioning system.
  - If the air conditioning system is installed incorrectly, water leakage, electric shock and fire may occur. Note that an installation fee will be charged for relocation and installation.

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### OPERATION RANGE

**CAUTION**
Please use the system in the following operation range. If the system is operated outside this range, the protection controls may be activated to prevent malfunction.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Room temperature</th>
<th>Temperature outside the room</th>
<th>Humidity inside the room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling operation</td>
<td>Approximately 27°C</td>
<td>Approximately -5 to 43°C</td>
<td>Approximately 60% or less</td>
</tr>
<tr>
<td>Dry operation</td>
<td>Long continuous operation</td>
<td>Long operation under high humidity may lead to condensation or early vapor at the supply air grille</td>
<td></td>
</tr>
<tr>
<td>Heating operation</td>
<td>Approximately 27°C or less</td>
<td>If outside air temperature becomes low, the heating efficiency is lowered and the heating becomes difficult</td>
<td></td>
</tr>
</tbody>
</table>

(Note) Operation range may differ depending on models. Please check the catalog.
This table indicates the details of regular inspection items and their intervals (inspection period), and the timing of parts replacement under a normal use condition. If the equipment falls into a certain category specified by the laws and regulations of each country, conduct the maintenance and inspection according to the specified rules too. As to the preventive maintenance, the regular inspection interval is indicated as the “inspection interval,” and the predicted interval of the “implementation of cleaning and adjustment” or “implementation of parts replacement and repair” according to the result of the regular inspection is indicated as the “maintenance interval.” As to the cleaning and adjustment, the timing is set to prevent the deterioration of parts and the degradation of performance. As to the parts replacement and repair after the inspection, the timing is set by estimating the operation time or use time, when the worn-out failure period is reached.

Note 1) Random fault is an unexpected failure which occurs before the wear is progressed, within the service life of the parts and equipment. It is difficult to establish a technological measure against the random fault. At the moment, statistical handling is the only measure against the random fault.

Note 2) The elapsed year marked with * assumes the operating time as 10,000 hours and 2,500 hours/year in a normal operating condition without frequent startups. This may vary according to the operating condition. Please check the calculation basis of the elapsed year when making a maintenance contract.

Note 3) Illustrates the estimated timing when the worn-out failure starts and how the failure rate increases as the time passes.

Note 4) The inspection timing of filter is basically every year. However, the contamination state varies depending on the type of filter and the use condition. Therefore, conduct the inspection in arbitrary cycles according to the use condition.

### Maintenance and Inspection Guideline of Main Parts of Packaged Air Conditioner

#### MAINTENANCE AND INSPECTION GUIDELINE OF MAIN PARTS OF PACKAGED AIR CONDITIONER

(inspection interval), and the timing of parts replacement under a normal use condition. If the equipment falls into a certain category, conduct the maintenance and inspection according to the specified rules too. As to the preventive maintenance, the regular inspection interval is indicated as the “inspection interval,” and the predicted interval of the “implementation of cleaning and adjustment” or “implementation of parts replacement and repair” according to the result of the regular inspection is indicated as the “maintenance interval.” As to the cleaning and adjustment, the timing is set to prevent the deterioration of parts and the degradation of performance. As to the parts replacement and repair after the inspection, the timing is set by estimating the operation time or use time, when the worn-out failure period is reached.

#### [Mainly Indoor parts and built-in components]

*The distinction between the indoor and outdoor assumes the air conditioner for a store and a multiple-air conditioner for a building. This may vary depending on the configuration of the unit, such as equipment air conditioner.

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Details of Inspection</th>
<th>Inspection Method</th>
<th>Criteria «Standard»</th>
<th>Details of Maintenance</th>
<th>Inspection Interval</th>
<th>Eligible Years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Random Failure

- In case of abnormality after inspection, replace or repair the corresponding part.

#### Periodic Replacement (Consumable Components)

- Conduct the periodic replacement (consumable components)

- Mainly indoor parts and built-in components

- The distinction between the indoor and outdoor assumes the air conditioner for a store and a multiple-air conditioner for a building. This may vary depending on the configuration of the unit, such as equipment air conditioner.

**Random failure**

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### Explanation of symbols
- ●: Conduct the cleaning and adjustment according to the inspection result
- ▲: In case of abnormality after inspection, replace or repair the corresponding part.
- ▼: Conduct the periodic replacement (consumable components)

### Part Name and Details of Inspection

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Details of Inspection</th>
<th>Inspection Method</th>
<th>Criteria - Standards</th>
<th>Details of Maintenance</th>
<th>Preventive Maintenance*</th>
<th>Maintenance Interval (Use Hours/Duration)</th>
<th>Elapsed Years</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Structural component</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guard, etc.</td>
<td>- Check of peeling off and floating of paint coating&lt;br&gt;- Check of fractures and cracks of plastic parts&lt;br&gt;- Check of rust and peeling off of the heat insulation material</td>
<td>Visual inspection</td>
<td>There should be no extremely rust generation, cracks, fracture, etc.</td>
<td>Parkwork by repair coating&lt;br&gt;Replace it if there is any damage, such as cracks and fracture</td>
<td>●</td>
<td>8 years</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Frame, bottom plate, etc.</td>
<td>- Check of peeling off and floating of paint coating&lt;br&gt;- Check of rust and peeling off of the heat insulation material</td>
<td>Visual inspection</td>
<td>There should be no extremely rust or damage of heat insulation material</td>
<td>If the heat insulation material is peeled off, repair and stick it</td>
<td>●</td>
<td>8 years</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Vibration-proof rubber</td>
<td>- Check of deterioration and hardening of rubber&lt;br&gt;- Check of peeling off and floating of paint coating</td>
<td>Visual inspection</td>
<td>Vibration insulation function should not be impaired</td>
<td>Replace it when deteriorated or hardened</td>
<td>●</td>
<td>10 years</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td><strong>Fan and Fan casing</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>▲</td>
<td>20,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Fan motor</td>
<td>- Sound audibility check&lt;br&gt;- Insulation resistance measurement</td>
<td>Audible inspection</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>When a bearing sound is heard, replace the bearing&lt;br&gt;When the resistance value is 1 MΩ or less, replace the motor</td>
<td>●</td>
<td>15,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Bearing</td>
<td>- Regular lubrication is required</td>
<td>Audible inspection</td>
<td>There should be no abnormal sound generation</td>
<td>Replace parts regularly</td>
<td>●</td>
<td>20,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td><strong>Air heat exchanger</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>▲</td>
<td>20,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td><strong>Piping in the unit</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>▲</td>
<td>5 years</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td><strong>Electronic expansion valve</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>▲</td>
<td>20,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Electronic magnetic valve, four way switching valve, etc.</td>
<td>- Operation sound by power on/off (pressure check)</td>
<td>Audible and tactile inspection</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>Replace it if abnormal&lt;br&gt;Replace it if the resistance value is 1 MΩ or less&lt;br&gt;Redesign, Correction of wiring path</td>
<td>●</td>
<td>20,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Containers, etc.</td>
<td>- Operation sound by power on/off (pressure check)</td>
<td>Audible and tactile inspection</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>Replace it if abnormal&lt;br&gt;Replace it if the resistance value is 1 MΩ or less&lt;br&gt;Redesign, Correction of wiring path</td>
<td>●</td>
<td>20,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Pressure relief device (safety parts)</td>
<td>- Operation sound, gas leakage, insulation resistance</td>
<td>Audible and tactile inspection</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>Replace it if it does not operate within the permissible range of setting values</td>
<td>●</td>
<td>20,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Pressure relief device</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>▲</td>
<td>25,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Refrigeration system parts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>▲</td>
<td>15,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Pressure relief device (safety parts)</td>
<td>- Operation sound, gas leakage, insulation resistance</td>
<td>Audible and tactile inspection</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>Replace it if it does not operate within the permissible range of setting values</td>
<td>●</td>
<td>20,000 Hr</td>
<td></td>
<td>Cleaning object item</td>
</tr>
</tbody>
</table>

### Note 1)**
Random fault is an unexpected failure which occurs before the wear is progressed, within the service life of the parts and equipment. It is difficult to establish a technological measure against the random fault. At the moment, statistical handling is the only measure against the random fault.  

### Note 2)**
The elapsed year marked with * assumes the operating time as 10 hours/day and 2500 hours/year in a normal operating condition without frequent start/stop. This may vary according to the operating condition. Please check the calculation basis of the elapsed year when making a maintenance contract.  

### Note 3)**
Illustrates the estimated timing when the wear-out failure starts and how the failure rate increases as the time passes.
<table>
<thead>
<tr>
<th>Part Name</th>
<th>Description of Inspection</th>
<th>Inspection Method</th>
<th>Criteria &lt;Standards&gt;</th>
<th>Details of Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crankcase heater</td>
<td>• Conductivity check - Insulation resistance measurement</td>
<td>Tester</td>
<td>• It should be in a conducting state - The resistance value should be 1 MΩ or more - There should be no abnormality</td>
<td>• Replace it if it is not in a conducting state - Replace it if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td>Anti-freezing heater</td>
<td>• Conductivity check - Insulation resistance, appearance check</td>
<td>Tester</td>
<td>• It should be in a conducting state - The resistance value should be 1 MΩ or more  - There should be no abnormality</td>
<td>• Replace it if it is not in a conducting state - Replace it if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td>Electric component box</td>
<td>• Circuit insulation resistance check</td>
<td>Tester</td>
<td>• The resistance value should be 1 MΩ or more</td>
<td>• Clean with a brush in case of extreme dust adhesion - Replace it if the resistance value is 1 MΩ or less - Reattachment or re-insert if there is looseness - Appearance check, replace if there is liquid leakage</td>
</tr>
<tr>
<td>(including inverter)</td>
<td>• Terminal part, connector looseness check</td>
<td>Tester</td>
<td>• There should be no looseness at the connecting part</td>
<td></td>
</tr>
<tr>
<td>Electronic capacity</td>
<td>• Capacitor (electrolytic) appearance check</td>
<td>Tester</td>
<td>• There should be no liquid leakage or deformation</td>
<td></td>
</tr>
<tr>
<td>Smoothing capacitor</td>
<td>• Measurement of electrical capacitance and insulation resistance</td>
<td>Electrostatic, withstand 500 V mega tester</td>
<td>• Should be of specified volume or more - The resistance value should be 1 MΩ or more</td>
<td>• Replace parts regularly - Replace it if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td>Terminal block</td>
<td>• Terminal part screw looseness, deposit of dirt</td>
<td>Tester</td>
<td>• It should not be loose - There should be no deposited foreign matter</td>
<td>• Righten it if it is loose - Clean with a brush in case of deposited foreign matter adhesion</td>
</tr>
<tr>
<td>Electrical component (including</td>
<td>• HIC board short circuit check - Visual check of dirt adhesion to the board, etc.</td>
<td>Tester</td>
<td>• There should be no deposited foreign matter</td>
<td>• Replace it if it is not the specified resistance value - Clean with a brush in case of deposited foreign matter adhesion - Replace or correct the part</td>
</tr>
<tr>
<td>Capacitor</td>
<td>• Self-diagnosis mode, appearance check</td>
<td>Tester</td>
<td>• There should be no abnormal display</td>
<td></td>
</tr>
<tr>
<td>Pressure sensor</td>
<td>• Open, short circuit, earth, appearance check</td>
<td>Tester</td>
<td>• It should be of a specified resistance value</td>
<td>• Replace it if in case of disconnection and short circuit</td>
</tr>
<tr>
<td>Switch, etc. (including FFB, ELB)</td>
<td>• Operation, appearance check</td>
<td>Visual inspection</td>
<td>• There should be no deformation</td>
<td>• Replace it in case of malfunction, deformation, and disconnection</td>
</tr>
<tr>
<td>Switching power source transformer</td>
<td>• Output voltage measurement</td>
<td>Tester</td>
<td>• Output voltage should be within a specified value</td>
<td>• Replace it if there is voltage abnormality</td>
</tr>
<tr>
<td>Cooling fan</td>
<td>• Insulation resistance, abnormal sound generation</td>
<td>Tester</td>
<td>• The resistance value should be 1 MΩ or more, there should be no abnormal sound</td>
<td>• Replace it if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td>Fuse</td>
<td>• Appearance check</td>
<td>Visual inspection</td>
<td>• There should be no deformation or discoloration</td>
<td>• Replace it when it is shorted</td>
</tr>
</tbody>
</table>

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Note 3) Illustrates the estimated timing when the wear-out failure starts and how the failure rate increases as the time passes.

### Explanation of symbols
- Conduct the cleaning and adjustment according to the inspection result
- In case of abnormality after inspection, replace or repair the corresponding part.
- Conduct the periodic replacement (consumable components)
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