This air-conditioner complies with following directive.
Machinery 2006/42/EC
Low Voltage 2014/35/EU
EMC 2014/30/EU
Pressure Equipment 2014/68/EU
RoHS 2011/65/EU
Ecodesign 2009/125/EC

CE marking is applicable to the area of 50 Hz power supply.

Si dieser Klimaanlage entspricht den folgenden Richtlinien:
Maschinenrichtlinie 2006/42/EG
LEITUNGSSPANNUNG 2014/35/EU
EMK-richtlinie 2014/30/EU
Druckbehälterrichtlinie 2014/68/EU
RoHS-Richtlinie 2011/65/EU
Ecodesign-Richtlinie 2009/125/EG

CE-Zeichen ist aufbereitbar für Bereiche mit einem Netzstromversorgung von 50 Hz.

Questo climatizzatore è conforme alle seguenti Direttive:
Direttiva sui Macchinari 2006/42/CE
Alimentazione a bassa tensione 2014/35/UE
Direttiva CEM 2014/30/UE
Direttiva sui attrezzature pressione 2014/68/UE
Direttiva RoHS 2011/65/UE
Direttiva Ecodesign 2009/125/CE

L'impianto è dotato del marchio CE applicabile alla zona di alimentazione a 50 Hz.

Deze airconditioner voldoet aan de volgende richtlijnen:
Machinesrichtlijn 2006/42/EG
Laagspanningsrichtlijn 2014/35/EU
EMK-richtlijn 2014/30/EU
Drukbehelserichtlijn 2014/68/UE
RoHS-richtlijn 2011/65/UE
Ecodesign-richtlijn 2009/125/EG

CE-merkering is toepasselijk op gebied met een netspanning van 50 Hz.

Este acondicionador cumple con la siguiente directiva.
Maquinaria 2006/42/CE
Baja tensión 2014/35/UE
EMC 2014/30/UE
Equipamiento de presión 2014/68/UE
RoHS 2011/65/UE
Ecodesign 2009/125/CE

La indicación CE sólo corresponde al área de suministro eléctrico de 50 Hz.

Deze airconditioner voldoet aan de volgende richtlijn:
Machines 2006/42/EC
Laagspanning 2014/35/UE
EMC 2014/30/UE
Drukbehälter 2014/68/UE
RoHS 2011/65/UE
Ecodesign 2009/125/CE

CE-markering is van toepassing op het gebied met een netspanning van 50 Hz.

Esto acondicionador cumple con la siguiente directiva.
Máquinas 2006/42/CE
Baja tensión 2014/35/UE
EMC 2014/30/UE
Equipos a presión 2014/68/UE
RoHS 2011/65/UE
Ecodesign 2009/125/CE

La indicación CE sólo corresponde al área de suministro eléctrico de 50 Hz.

 Этот воздухоохладитель соответствует следующим директивам.
Машины 2006/42/EC
Низкое напряжение 2014/35/ЕС
EMC 2014/30/UE
Оборудование под давлением 2014/68/UE
RoHS 2011/65/UE
Ecodesign 2009/125/CE

CE-означение применимо в области питания напряжением 50 Гц.

Устройство соответствует следующим директивам.
Машины 2006/42/EC
Низкое напряжение 2014/35/ЕС
EMC 2014/30/UE
Оборудование под давлением 2014/68/UE
RoHS 2011/65/UE
Ecodesign 2009/125/CE

CE-маркировка применима в области питания напряжением 50 Гц.

Το ψυκτικό αντλία ακολουθεί τις παρακάτω διατάξεις.

Τιμόνια 2006/42/EC
Βασικής υπόλοιπης 2014/35/ΕΕ
EMC 2014/30/UE
Εξοπλισμός υπό υποκατάσταση 2014/68/ΕΕ
RoHS 2011/65/ΕΕ
Ecodesign 2009/125/ΕΕ

Η σήματιση CE εφαρμόζεται στην περιοχή των ρευστών πλέον 50 ΖΩΤΗ.

This manual is provided with WIRED REMOTE CONTROL (RC-EX series) and WIRELESS REMOTE CONTROL (RCN-E2, EK2 series)

Consulte el manuale fourni avec la TÉLÉCOMMANDE FILAIRE (série RC-EX) et la TÉLÉCOMMANDE SANS FIL (série RCN-E2, EK2)

Sie sehen bitte die mit KABEL-FERNBEDIENUNG (RC-EX-Serie) und Drahtlose Fernbedienung (RC-EX-Serie) mitgelieferte Bedienungsanleitung

Consultare il manuale fornito con il CONTROLLO REMOTO COM FIODI (serie RC-EX) o il CONTROLLO REMOTO SEM FIODI (serie RCN-E2, EK2)

Consulte o manual fornecido com o CONTROLE REMOTO COM FIOS (série RC-EX) o CONTROLE REMOTO SEM FIOS (série RCN-E2, EK2)

Aviso: Se para a marca CE indicado na etiqueta de conformidade com a diretiva 2014/35/UE pode ser aplicável a algumas dezenas de 50 Hz em certas regiões. Este acondicionador está em conformidade com as seguintes directivas. Máquinas 2006/42/CE
Baja tensión 2014/35/UE
EMC 2014/30/UE
Equipamientos sob presión 2014/68/UE
RoHS 2011/65/UE
Concessão ecológica 2009/125/UE
A marca CE aplica-se à zona de fornecimento de energia a 50 Hz.

Λέης καλοκαιριού υψηλοκανάλι ακολουθεί τις παρακάτω διατάξεις.

Τιμόνια 2006/42/EC
Βασικής υπόλοιπης 2014/35/ΕΕ
EMC 2014/30/ΕΕ
Εξοπλισμός υπό υποκατάσταση 2014/68/ΕΕ
RoHS 2011/65/ΕΕ
Concessão ecológica 2009/125/ΕΕ
A marca CE aplica-se à zona de fornecimento de energia a 50 Hz.

Lütfen kablolu uzaktan kumandalı olan (RC-EX serisi) ve kablosuz uzaktan kumandalı (RCN-E2, EK2 serisi) modelleri kilavuzuna bakınız.

Пожалуйста, обратитесь к руководству, которое поставляется с ПИЩОВОДНОЙ ПУЛЬТОМ ДИСТАНЦИОНОГО УПРАВЛЕНИЯ (серии RC-EX) и БЕСПРОВОДНЫМ ПУЛЬТОМ ДИСТАНЦИОНОГО УПРАВЛЕНИЯ (серии RCN-E2, EK2)

Διεύθυνση ΤΗΛΕΧΕΙΡΙΣΤΗΡΙΟ (σειρά RC-EX) και ΑΣΥΡΜΑΤΟ ΤΗΛΕΧΕΙΡΙΣΤΗΡΙΟ (σειρές RCN-E2, EK2)
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.

This Product contains fluorinated greenhouse gases. Do not vent R32 into the atmosphere: R32 is a fluorinated greenhouse gas with a Global Warming Potential (GWP) = 675. Do not vent R410A into the atmosphere: R410A is a fluorinated greenhouse gas with a Global Warming Potential (GWP) = 2088. Refer to a label on outdoor unit for the weight of fluorinated greenhouse gas and CO₂ equivalent.

The emission sound pressure level from each Indoor and Outdoor unit is under 70 dB(A).

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”.

The user’s manual should be read carefully.

There is information included in the user’s manual and/or installation manual.

A service personnel should be handing this equipment with reference to the installation manual.

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.

ENGLISH
Following precaution is only for R32.

⚠️ This equipment uses flammable refrigerants. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.

**WARNING**
Strict compliance of the domestic laws must be observed when disposing the appliance.

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).

Do not pierce or burn.

Be aware that refrigerants may not contain an odour.

The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

The staff in servicing operations must hold the national qualification or other relevant qualifications.

This unit should be installed in rooms which exceed the floor space specified in installation sheets of indoor/outdoor unit. Refer to the installation sheet.

**INSTALLATION PRECAUTIONS**

⚠️ **DANGER**

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.

**When a child or sick person who may need help uses it, nearby people should take care of them sufficiently.**
When the air-conditioner is stopped by some abnormal condition, the motion sensor control, or other, it could affect health condition or cause accident.

---

**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 air flow 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 air flow 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.**
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.

When the refrigerant leaked accidentally, turn off the stove, or other, and ventilate air sufficiently.

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.

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.
HOW TO USE< WIRED REMOTE CONTROL (RC-E series) >

**NAMES AND FUNCTIONS OF REMOTE CONTROL BUTTONS < WIRED REMOTE CONTROL (RC-E SERIES)>**

### Wired remote control (RC-E series)
- The figure below shows the remote control with the cover opened. Note that the items in the liquid crystal display (LCD) area are shown for explanation purpose. Pull the cover downwards to open.

### Ventilation display
- Displayed during ventilation operation
- \( \Rightarrow \) See page 13

### Central control display
- Displayed when the air conditioning system is controlled by centralized remote control.

### Timer operation display
- Displays the timer operation setting.

### Temperature setting buttons
- These buttons are used to set the temperature of the room.

### Timer button
- This button is used to set the timer mode.
- \( \Rightarrow \) See page 6

### Timer setting buttons
- These buttons are used to set the timer mode and the time.
- \( \Rightarrow \) See page 6 to 13

### E.S.P. button
- \( \Rightarrow \) This button is only used by service engineers for installation purposes.

### AIR CON No. button
- Displays the indoor unit number connected to this remote control.
- This button is used for indoor unit address setting.

### CHECK button
- This button is only used by service engineers for installation purposes.

### TEST button
- This button is used during test operation.

### SET button
- \( \Rightarrow \) This button is used to fix the setting.

### RESET button
- \( \Rightarrow \) If you press this button while making settings, you can go back to the previous operation.\( \Rightarrow \) See page 6 to 13

### SP button
- \( \Rightarrow \) This button is also used to reset the "FILTER CLEANING" display. (Press it after cleaning the air filter)

### Guideline for room temperature setting

<table>
<thead>
<tr>
<th>Mode</th>
<th>Temperature</th>
<th>Air Flow V.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOL</td>
<td>26 to 28°C</td>
<td></td>
</tr>
<tr>
<td>DRY</td>
<td>21 to 24°C</td>
<td></td>
</tr>
<tr>
<td>HEAT</td>
<td>22 to 24°C</td>
<td></td>
</tr>
<tr>
<td>FAN</td>
<td>20 to 24°C</td>
<td></td>
</tr>
</tbody>
</table>

**Operation mode**

- Displayed during operation
- \( \Rightarrow \) See page 13

**Weekly timer display**
- Displays the settings of the weekly timer.

**Operation setting display area**
- Displays setting temperature, air flow 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**
- \( \Rightarrow \) This button is used to change the operation mode.

**FAN SPEED button**
- This button is used to set the air flow volume.

**VENT button**
- \( \Rightarrow \) This button is used to operate the external ventilator.

**LOUVER button**
- This button is used to operate/stop the swing louver.

**AIR CON No. button**
- \( \Rightarrow \) Displays the indoor unit number connected to this remote control.
- This button is used for indoor unit address setting.

**CHECK button**
- This button is only used by service engineers for installation purposes.

**TEST button**
- This button is used during test operation.

**SET button**
- \( \Rightarrow \) This button is used to fix the setting.

**RESET button**
- \( \Rightarrow \) If you press this button while making settings, you can go back to the previous operation. \( \Rightarrow \) See page 6 to 13

- \( \Rightarrow \) This button is also used to reset the "FILTER CLEANING" display. (Press it after cleaning the air filter)

**Setting temperature**

- Displays setting temperature.

**Fan speed**

- Displays air flow volume.

**Operation mode**

- Displays operation mode.

**Operation mode**

**Cooling**

- At 1-speed ............. The operation is invalid
- At 2-speed ............ The operation is invalid
- At 3-speed ............ The operation is invalid

**Fan**

- At 1-speed ............. The operation is invalid
- At 2-speed ............ The operation is invalid
- At 3-speed ............ The operation is invalid
- At 4-speed ............ The operation is invalid

**Heat**

- The unit operates with the maximum fan speed.

**Operation/stop button**
- \( \Rightarrow \) These buttons are used to set the temperature of the room.

**Timer operation display**
- \( \Rightarrow \) Displays the timer operation setting.

**ATTENTION**

- Do not turn the air conditioning system on/off frequently.
- Do not use sharp objects to press the remote controller switches.

**NOTICE**

- There may be a case that "GUMMI (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: Rost
  - Louver position: Horizontal
HOW TO PERFORM THE TIMER OPERATION  < WIRED REMOTE CONTROL (RC-E series) >

THE SELECTION OF TIMER MODE

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

2. Press ▲ or ▼ button. By pressing ▲ or ▼ button, it is possible to choose the item to set.

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.

Functions of each timer operation

• Sleep timer
  When the specified period of time elapses, operation stops. The unit will stop when the setting time is reached.

• OFF timer
  The unit stops operating 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.

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 “invalid operation” is displayed, the button can not 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 set the timer:

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: [ ] MON TUE WED THU FRI SAT [ ] (flashes) [ ] MON TUE WED THU FRI SAT [ ] (current time)

3. Press ▲ or ▼ button. Place the “▼” mark above the day of the week to the current one.

4. Press SET button. Set to the current time.

5. Press ▲ or ▼ 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.

6. Press SET button. Press the ▲ or ▼ mark to move to the right and the left respectively. If you press the ▲ or ▼ mark above the day of the week to the current one, and press the SET button, the message “MEMORY” (invalid operation) is displayed for 3 seconds and then the display returns to the one selected in step 2.

7. 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.
### HOW TO PERFORM THE TIMER OPERATION < WIRED REMOTE CONTROL (RC-E series) >

#### SLEEP 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.

1. Press TIMER button.
2. Press ▼ button once. 
3. Press SET button. 
4. Press ▲ or ▼ button. 
   - The display changes as below. Set as you like.
   - 
   - “CLOCK SET” lights
   - “SLEEP TIMER” lights
5. Press SET button. 
   - Sleep timer has been set.
   - The air conditioner will turn on if a sleep timer is set while it is turned off. 
   - After “SLEEP TIMER” is displayed in the display area, the display in step 2 returns.
   - [EXAMPLE] “CLOCK SET ▼” (lights for two seconds)
   - “SLEEP TIMER” (lights)
   - “OFF TIMER” (lights)
6. Press ▲ or ▼ button. 
   - The remaining time is displayed, and changes in an hourly basis. If you press ▲ or ▼ button for a while, “Hour” display is changed by one hour, and stops when you stop pressing.
7. Press ▲ or ▼ button. 
   - The unit stops after the set time elapses.
   - Every operation stops after a certain period of time has elapsed.

#### 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.
- 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.

#### 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. 
   - [EXAMPLE] “CLOCK SET ▼ ▼” (lights)
3. Press SET button. 
4. Press ▲ or ▼ button. 
   - The time at which you want to stop the operation.
   - If you press ▲ or ▼ button for a while, “Hour” display is changed by one hour, and stops when you stop pressing.
5. Press SET button. 
   - OFF timer has been set. 
   - 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.
6. Press ▲ or ▼ button. 
   - 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.

#### 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.
- 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 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. 
   - [EXAMPLE] “CLOCK SET ▼ ▼ ▼” (lights)
3. Press SET button. 
4. Press ▲ or ▼ button. 
   - Select either of the above two.
   - Go to step 7 if temperature is set.
5. Press SET button. 
   - On timer has been set. 
   - The display in step 2 returns.
   - [EXAMPLE] “CLOCK SET ▼” (lights)
   - “2°C” (The current set temperature is displayed flashing)
6. Press ▲ or ▼ button. 
   - Select either of the above two.
   - Go to step 7 if temperature is set.
7. Press SET button. 
   - On timer is set, and after “SLEEP TIMER” is displayed in the display area.
   - [EXAMPLE] “2°C” (The current set temperature is displayed flashing)
8. Press ▲ or ▼ button to set temperature. 
   - If you press ▲ or ▼ button, the number in the display becomes larger or smaller by 1°C.
   - Set temperature at which you want to start the operation.
   - If you press the SMART button, the remote control will return to the previous screen.
9. Press SET button. 
   - On timer and either Sleep timer or OFF timer are set together, the temperature of ON timer is not displayed.
   - Set temperature is displayed only in case it is set. 
   - Off timer (or Sleep timer) precedes.
10. Press ▲ or ▼ button. 
    - The timer mode is finished.
How to Perform the Timer Operation < Wired Remote Control (RC-E series)>

**WEEKLY TIMER MODE**

- **Selection of Weekly timer mode**
  - You can set up to four ON/OFF timers per day.
  - Note: Set time every month in Weekly timer mode.

1. **Press TIMER button.**
2. **Press ▼ button for four times.**
   - (for setting the selected day of the week to MON)
3. **Press SET button.**

**NOTICE**

- 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 SETTING**

1. **In the Weekly timer mode, select “TIDER SET” ▼**
   - and press SET button to confirm.
   - See step 1 to 5 in “Selection of Weekly timer mode” above
   - A “_” mark lights (▼ mark is flashing)
   - “FSP TEMP” ▼ 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 ▼ to move to the right and left respectively, ▲ and ▼ will move flashing.
   - 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 “SUN” 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 ▲ or ▼ button to make the ▼ mark next to the number flash and move downwards.
   - Press the ▲ button to move the mark upwards.
   - The “▼” mark above the day stops flashing and lights, which indicates that the setting is fixed.
   - “_” ▼ mark above the day is displayed as the left image.
3. **Press SET button.**
   - The selected mode is fixed.
4. **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.)
   - Press ▲ button to make the ▼ mark next to the number flash and move downwards.
   - Press the ▼ button to move the mark upwards.
   - Four operations can be set with only ON timer or only OFF timer.

5. **Press SET button.**
   - The selected mode is fixed.

**EXAMPLE**

- **Number 1:** 1-20
  - (very day)
- **Number 2:** 2-20
  - (very day)
- **Number 3:** 3-20
  - (very day)
- **Number 4:** 4-20
  - (very day)

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

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 ▲ or ▼ button.**
   - “_” ▼ mark lights (▼ mark is flashing)
   - “FSP TEMP” ▼ is displayed in the display area.

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

9. **Press ▲ or ▼ 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” to “FRI”) 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.

10. **Press ▲ or ▼ button.**
    - Select either “MON” or “FRI” ▼ mark.
    - Press ▲ or ▼ button to make the ▼ mark next to the number flash and move downwards.
    - Press the ▼ button to move the mark upwards.
    - In case “MON” ▼ mark is flashing) under the day of the week which you set and the display appears as the left image.
    - Proceed to step 10.

11. **Press ▲ or ▼ button.**
    - In case “FRI” ▼ mark has been selected, ON timer setting process is completed.
    - A “_” mark lights (“MON” to “FRI”) 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.

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 ▲ or ▼ button to return to the display “FSP TEMP” ▼.

13. **Press ▲ or ▼ button.**
    - ON timer setting with start-up temperature has been completed.
    - The value of the temperature stops flashing and lights.
    - A “_” mark lights (“MON” to “FRI”) 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.
HOW TO PERFORM THE TIMER OPERATION  < WIRED REMOTE CONTROL (RC-E series) >

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 8.

- [SUN MON TUE WED THU FRI SAT] is displayed in the display area ( ▼ is flashing)

2. Press ▲ or ▼ button.

Move the ▼ mark displayed above the days of week to the day which you want to set as Holiday.

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 "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. This can be used in case you would like to apply Holiday setting to these days.

In case 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.

- [SUN MON TUE WED THU FRI SAT] (lights)
- [SUN MON TUE WED THU FRI SAT] (lights for two seconds)
- [SUN MON TUE WED THU FRI SAT] (lights)
- [SUN MON TUE WED THU FRI SAT] (lights)

After the holiday setting has been completed, the display of the remote control returns to that of step 1. Repeat step 3 to continue setting further holidays.

NOTICE

If you set a day of the week for which no timer operation is set, "[ ]" is displayed for two seconds and the display returns to the one shown in step 1.

4. Press ON/OFF button.

Timer mode ends.

Display after Weekly timer modes setting

- The day of the week set is underlined.
- The ▼ mark is displayed above the current day of the week.
- The display of all the timer operation numbers set for the current day is turned on. The ▼ mark indicates the next setting number to be activated, and the set time is displayed.
- The timer operations are executed in order, and the number and time display are turned off when all the timer operations for the current day are completed.

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 8.

- [SUN MON TUE WED THU FRI SAT] is displayed in the display area ( ▼ is flashing)

2. Press ▲ or ▼ button.

Move the ▼ mark displayed above the days of week to the day on which you want to cancel Holiday setting.

If you set ON timer and OFF timer operating at the same time, OFF timer will precede.

If the same two times are set for ON timer on the same day, the lower number precedes.

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.

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 select a day of the week for which setting have already been made, all the timer numbers that have been set are displayed. And the details of the timer setting for the number which has ▼ mark is displayed. You can modify the selected setting by overwriting it.

If you set ON timer and OFF timer operating at the same time, OFF timer will precede.

If the same two times are set for ON timer on the same day, the lower number precedes.
HOW TO PERFORM THE TIMER OPERATION < WIRED REMOTE CONTROL (RC-E series) >

**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 8.
   - 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, “NO SETTING” 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.

3. **Press ▽ ON/OFF button.**
   - Timer mode ends.

**Weekly timer mode Setting Canceling**

It is possible to cancel Weekly timer mode settings of each day of the week, as well as individual timer operation number.

- See “Cancellation Mode” on the right side to cancel settings of all days of week.

1. **In the Weekly timer mode, select and set “CHECK/CANCEL ▲”:**
   - See “Selection of Weekly timer mode” step 1 to 5 on page 8.
   - 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.

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 ▲” 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.**
   - “ON/OFF ▲” is displayed, and the displayed detail timer operation setting disappears and is canceled.

5. **Press ▽ SET button.**
   - The displayed detail timer operation setting is turned off, and the message “CHECK/CANCEL ▲” is displayed again.
   - Repeat step 2 to 4 to continue canceling other settings.

6. **Press ▽ SET button.**
   - The display of the detailed timer setting is turned off, and after the message “CHECK/CANCEL ▲” is displayed for two seconds, “CANCEL ▲” is displayed again, (step 4 above)
   - Repeat steps 4 to 8 to continue canceling timer mode settings.

**Weekly timer Cancelation Mode**

1. **Press ▽ TIMER button.**
   - Timer mode begins.
   - The current “The day of the week” and “the current time” are displayed.

2. **Press ▼ button for five times.**
   - “CLOCK SET ▲” (▼ first press)
   - “SLEEP TIMER ▲” (▼ second press)
   - “OFF TIMER ▲” (▼ third press)
   - “ON TIMER ▲” (▼ fourth press)
   - “WEEKLY TIMER ▲” (▼ fifth press)

3. **Press ▽ SET button.**
   - Timer Cancellation Mode begins.

4. **Press ▲ or ▼ button.**
   - By pressing ▲ or ▼ button, it is possible to choose the item to cancel.
   - “SLEEP TIMER ▲”
   - “OFF TIMER ▲”
   - “ON TIMER ▲”
   - “WEEKLY TIMER ▲” (cancelling all days of the week)

5. **Press ▼ button.**
   - All the Weekly timer setting will be canceled if you proceed the following steps.
   - To cancel a part of the timer setting, please see “Weekly timer mode Setting Canceling” on the left side.

6. **Press ▽ SET button.**
   - The settings are displayed as shown below.
   - If you would like to quit cancellation, press the ▽ RESET button to return to the previous screen, and display “CANCEL ▲” (step 2 above)

7. **Press ▽ SET button to confirm.**
   - The day of the week display area turns off, and after the message “CHECK/CANCEL ▲” is displayed for two seconds, the display returns to “CHECK/CANCEL ▲” (step 4 above)
   - These operation settings cancel all days of the week.

**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.
- 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.

**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.
- 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 OPERATE IN SILENT MODE  < WIRED REMOTE CONTROL (RC-E series) >

SILENT MODE

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

The system applies the silent operation mode at the starting time to be set, and finish it after a certain period of time has passed.

Once the system is set to operate with the silent mode, the setting is applied everyday until it is canceled.

Silent Mode Setting

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.
   SET SILENT [ ] or ONCE SILENT [ ] (lights)
3. Press ▲ or ▼ button.
   If ▼ button is pressed, “SET SILENT [ ]” is displayed.
   If ▼ button is pressed, “SET SILENT [ ]” is displayed.
   Select SET SILENT [ ]
   If you press the [RESET] button, the remote control return to the original screen.
   The following setting is displayed.
   “ON TIME” [ ] or “OFF TIME” [ ]
5. Press ▲ or ▼ button.
   Set “OFF TIME”
   • Set “Hour”
     If you hold ▲ or ▼, the number in “Hour” display changes, and
     if you release it, the number stops changing.
     • Set “Minute”
     If you press ▲ or ▼ button, the number in the display becomes larger or smaller by ten minutes.
     If you press the [RESET] button, the remote control return to the ”OFF TIME” display.
   The ON TIME is set and the following is displayed.
   “ON TIME” [ ]
   “OFF TIME” [ ] (lights for two seconds)
   [ ] (flashing)
   [ ] (lights)
7. Press ▲ or ▼ button to set the duration.
   Select OFF time.
   When you press ▲ button, and the duration is increased by two hours as below: 2 → 4 → 22 → 24
   When you press ▼ button, and the duration is decreased by two hours.
   If you press [RESET] button, the “OFF TIME” display returns.
   The setting is fixed and displayed.
   “SET COMPLETE” [ ] is displayed, and the silent mode setting ends.
   The setting display turns off, and returns to original display.

Notices

• Do not move the swing louver forcibly by hands for fear that it may be damaged.
• Do not blow downwards during cooling operation for a long time for fear that dew condensation may be formed at the side panel. (In case of FDE)

Canceling Silent Mode (Setting)

Select “CANCEL SILENT” in step 2, press [SET] button and silent setting is canceled ending the silent mode. “CANCELLED” is 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 3 seconds at the set time 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 “24 hr”, you can continue the silent mode until it is canceled. At the first ON time, the display shows “SILENT MODE ON” for three seconds and returns to original display.
• If you press [CANCEL] 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.

HOW TO ADJUST THE LOUVER  < WIRED REMOTE CONTROL (RC-E series) >

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

[IN CASE OF FDT, FDTC, FDE, FDK, FDFW]

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

When you operate the swing louver

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

When the position of the swing louver is fixed

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

When the position of the swing louver is fixed

1. [COOL/DRY] SELECT 1
2. [HEAT] SELECT 2
3. [COOL/DRY] SELECT 3
4. [HEAT] SELECT 4
HOW TO SET THE AIR FLOW DIRECTION  

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 the 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 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)

Select the indoor unit of which the louver is set.

3. Press [SET button. (determination of indoor unit)

Select indoor unit is fixed.

4. Press ▲ or ▼ button. (Selection of louver No.)

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

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.

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 --”

7. Press [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.

8. Press ▲ 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 --”

9. Press [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.

After the setting is completed, the louver which was set moves from the original position to the lower limit position, and goes back to the original position again. (This operation is not performed if the indoor unit and/or indoor unit fan in operation.)


Louver adjusting mode ends and returns to the original display.

NOTICE

For FDT and FDTC type, set louver No. 1.

For FDE and FDK type, set louver No. 2.

Other settings selected have no effect.

NOTICE

If you press [RESET button during settings, the display will return to previous display. If you press [ON/Off] 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.

AIROUTLET SELECTION  (IN CASE OF FDFW)

It is possible to switch between the combination of upper and lower air outlets and upper air outlet.

Not operable while the air conditioner is ON.

When the upper air flow is selected, UPPER AIR FLOW LED on the unit display will light green only under run.

1. Stop the air conditioner.

2. Set the upper and lower limit position to UPPER 2 and LOWER 2. (No. 1 UPPER 2 / LOWER 2)

For the method of changing the setting, refer to \textit{HOW TO SET THE AIR FLOW DIRECTION} on the left side.

In case of selecting to upper air flow.

Set the upper and lower limit position to UPPER 2 and LOWER 2. (No. 1 UPPER 2 / LOWER 2)

In case of selecting to upper and lower air flow.

Set the upper and lower limit position to UPPER 2 and LOWER 2. (No. 1 UPPER 2 / LOWER 2)
**HOW TO OPERATE VENTILATION (WHEN A VENTILATOR IS INSTALLED) - WIRED REMOTE CONTROL (RC-E series)**

- If the ventilator is set to "NO VENTI LINK", the ventilator can be turned on and off independently of the operation of the air conditioner.
- If the ventilator is set to "VENTI LINK", the ventilator operation is interlocked with the air conditioner operation.

### VENTILATION OPERATION NOT LINKED WITH UNIT’S OPERATION

1. Press the VENTI button. 
   - " " is displayed, and the ventilation operation begins.
2. Stop the air conditioner.

### VENTILATION OPERATION LINKED WITH UNIT’S OPERATION

1. Press the ON/OFF button.
   - If a ventilator is connected, ventilation will operate automatically. " " is displayed.
2. Stop Press the ON/OFF button again.
   - No operation can be performed by pressing the ventilation button. (" " is displayed).

### FOR COMFORTABLE USE

**Clean the filter frequently**
- See the separate printing. (HOW TO MAINTAIN)

**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 air flow 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 air flow does not circulate underneath your feet, it is recommended to use a circulator.

**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.

**Clean the air filter.**
- If it is clogged, its operation may be stopped. See the separate printing. (HOW TO MAINTAIN)

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**INSPECTION DISPLAY, FILTER SIGN, AIR CONDITIONER NUMBER, STANDBY, ROOM TEMPERATURE AND BACK UP DISPLAY**

**< WIRED REMOTE CONTROL (RC-E series) >**

**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 following is displayed in the display area.

1. Press the ON/OFF button. Return to the AIR CON of the lowest number.
   - AIR CON No. button. Enter the AIR CON No. display mode.
2. Press the button. AIR CON No. and error codes are displayed in order from the lowest.
   - Press the button to display in the reverse order.
3. Press the ON/OFF button. Return to the AIR CON of the lowest number.

**HOW TO DISPLAY AIR CON NO.**

By operating AIR CON No. button, the number of the connected AIR CON unit and error codes of the units which have the record are displayed.

1. Press AIR CON No. button.
   - AIR CON No. display mode appears.
2. Press the button. AIR CON No. are displayed in order from the lowest.
   - If errors have occurred for all the connected AIR CON units, press the button.
3. Press the ON/OFF button. Return to the original display.
   - The AIR CON No. can be displayed without relation to its modes of operation.
   - Buttons other than "AIR CON No." cannot be operated.

**STANDBY DISPLAY**

During the first operation after breaker power supply input or the recovery from power failure, " " can be displayed on the remote control for max 30 minutes. The refrigerant oil protection control is activated to protect the compressor and this isn’t a failure. Please wait till the display turns off.

**ROOM TEMPERATURE DISPLAY**

If room temperature display setting is activated, room temperature is displayed on the remote control display. Then air flow display turns off, but air flow adjusting button is operative. Consult your dealer for settings.

**BACK UP DISPLAY**

If the back up display appears on the screen, please contact the dealer where the unit was purchased. The back up display is indicated per 1 second at intervals of 5 seconds when the air conditioners in operation.
The phenomena mentioned below is not malfunction.

POOR COOLING OR HEATING

Is the air filter clogged?
- Is the swing louver horizontal (during heating)?
- Is the direct daylight coming into the room?
- Are there any unexpected heat sources in the room?
- Are there too many people in the room?

POOR COOLING

- Is there a blackout or fuse blown?
- Is the leakage breaker activated?
- Is sunlight or other strong illumination striking the receiver unit (wireless unit)?

POOR AIR FLOW AT HEATING

- Is "PREPARATION OF HEATING" displayed on the remote control?

If, after checking the items above, the air conditioner still does not operate normally or in the next cases, stop operating and contact your dealer.

- If the fuse and breaker blow frequently.
- Do not turn off the power supply until the fan stops.
- If the check indicator light flashes.

The phenomena mentioned below is not malfunction.

The air conditioning system sounds as if water is draining from it.

Sounds of rustling or gurgling may be heard when the operation is started, when the compressor is activated.

These sounds are generated when the refrigerant valve inside the air conditioning system is activated.

Hissing sounds are heard. These sounds are generated when plastic components are expanded or shrunk by the heat and rubbed with each other.

Rolling sounds are heard. These sounds are generated when the refrigerant valve inside the air conditioning system is activated.

The air conditioner starts operating automatically as soon as the power supply is turned on.

In case the automatic restart function is enabled, and the power supply recovers, the system restarts the operation automatically as same condition as before power supply is cut.

If setting temperature cannot be changed (the setting temperature display flashes).

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.

In case the system is controlled by the other centralization remote control and it forbids operating the system from the remote control, it is not possible to operate by the remote control.

Even if the wired remote control operates, "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.

CAUTION

- Outer air temperature and heating capacity

The 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.

- Room temperature adjusting device operates during heating

If room temperature rises and the room temperature adjusting device is activated, the air flow becomes automatically low. When the room temperature drops, it switched back automatically to the normal operation.

- NOTICE

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

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 before the power failure when the power is restored. If the system is stopped before power failure it remains stopped after the power recovery.

If not in the following cases it is needed to set again with the remote control.

- 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".

Louver stops at the horizontal position.

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 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.)

The phenomena mentioned below is not malfunction.

In order to prevent cool air from blowing out, the air flow 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.

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 operated. After the defrosting is complete, the operation automatically switches back to the normal operation.

If water drips at cooling/dehumidifying operation.

The operation may switch to fan operation automatically in order to avoid frost being built up on the surface of the heat exchanger. The operation will soon return to cooling operation.

If the swing louver moves without any operation.

The swing louver automatically swings twice when the power supply switch is turned on. This is not a trouble. The louver also moves automatically to the horizontal position when "PREPARATION OF HEATING" is displayed.

The outdoor unit discharges water or steam during heating operation.

The operation switched to fan operation during cooling operation.

In case the system is in operation.

The air flow volume cannot be changed.

The swing louver moves without any operation.

The swing louver automatically swings twice when the power supply switch is turned on. This is not a trouble. The louver also moves automatically to the horizontal position when "PREPARATION OF HEATING" is displayed.

Water or steam is discharged during defrosting operation which removes frost built up on the surface of the heat exchanger in the outdoor unit in heating mode.

The fan speed is automatically controlled according to the ambient temperature. It may be stopped in high ambient temperature in case of heating, and in low ambient temperature in case of cooling. Also, the fan is stopped during defrosting operation.

The fan will suddenly begin to operate even if it is stopped. Do not insert finger and/or stick.

The operation switched to fan operation during cooling operation (in case of FDFX type)

In case the relative humidity is 75%, or higher, the operation may alternate between fan operation and cooling operation even though the thermostat has not been activated. The objective of this operation mode is prevent condensate dew formation and dew dropping from indoor unit air supply port.

The operation mode cannot be selected in case of the heat recovery system (KRR).

When operation mode is set to the main and sub indoor units during the heat recovery system (KRR), the operation mode of the sub unit cannot be selected (in this case, the system conforms to operation mode of the main unit).

When you switch the operation mode from Cool to Heat or from Heat to Cool during operation, the air flow becomes weak for 3 minutes.

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

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 air flow of indoor/outdoor unit is stopped and "heating defrost" is displayed.

The outdoor 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.

When room temperature adjusting device operates during heating

If room temperature rises and the room temperature adjusting device is activated, the air flow becomes automatically low. When the room temperature drops, it switched back automatically to the normal operation.

Troubleshooting

Check the following items before requiring service.

The unit does not work at all

Is the power supply switch turned off?

Is there a blackout or is the fuse blown?

Is the leakage breaker activated?

Is sunlight or other strong illumination striking the receive unit (wireless unit)?

If the system is not working, immediately turn off the power supply switch, and contact your dealer.

In order to protect the compressor, the indoor unit may take several minutes to begin moving after heating/cooling operation (in case of the heat recovery system KKR).

Compenser protection control is automatically performed every few hours. Air flow may stop during this time; however, cooling operation will resume shortly.

These sounds are generated when plastic components are expanded or shrunk by the heat and rubbed with each other.

These sounds are generated when the refrigerant valve inside the air conditioning system is activated.

These sounds are generated during beginning cooling / dehumidifying operation.

Air flow may stop during this time; however, cooling operation will resume shortly.

These sounds are generated when plastic components are expanded or shrunk by the heat and rubbed with each other.

These sounds are generated during beginning cooling / dehumidifying operation.

Air flow may stop during this time; however, cooling operation will resume shortly.

If water drips at cooling/dehumidifying operation.

If changing the set temperature is prohibited on the remote control, it is not possible to change the temperature setting even if ▲ or ▼ is pressed.

If changing the set temperature is prohibited on the remote control, it is not possible to change the temperature setting even if ▲ or ▼ is pressed.

If changing the set temperature is prohibited on the remote control, it is not possible to change the temperature setting even if ▲ or ▼ is pressed.

If changing the set temperature is prohibited on the remote control, it is not possible to change the temperature setting even if ▲ or ▼ is pressed.
**Setting to Disable Button Operation**

The following button operations can be disabled. If the button is pressed, "\[\square\]" is displayed indicating that the button is disabled, and the original display returns. Consult your dealer for "\[\square\]" setting.

- \[\square\] DVD/PHP button
- \[\square\] TEMP button
- \[\square\] LOUVER button
- \[\square\] MODE button
- \[\square\] FAN SPEED button
- \[\square\] 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**

- \[\triangleleft\] 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.
- \[\triangleleft\] Caution: A leakage breaker is necessary depending on the installation environment.
  * Is the wiring designated for the air conditioner?
  * Is the wiring correctly mounted? (Wire not exposed)
  * Is the wiring used for the remote control clamps?
  * Is the remote control mounted at a height where children cannot reach?

**Relocation**

- \[\triangleleft\] 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/or fire may occur. Note that an installation fee will be charged for relocation and installation.

**Inspection Maintenance**

Normally the efficiency of the air conditioning system will become lower after a while, because dirt accumulates inside the system. This occurs gradually in around 3 years of use, depending on the condition of use and surrounding environment. It is thus necessary to conduct inspection maintenance in addition to regular maintenance. We recommend you to consult the dealer from whom you purchased the system and make a contract for periodic inspection. (charged).

**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 20 ~ 24°C</td>
<td>Approximately 0 ~ 32°C</td>
<td>Approximately 60% or less</td>
</tr>
<tr>
<td>Heating operation</td>
<td>Approximately 27°C or less</td>
<td>Approximately 0 ~ 25°C</td>
<td>Approximately 55% or less</td>
</tr>
</tbody>
</table>

(Note) Operation range may differ depending on models. (Please check the catalog.)

**FDU-F**

<table>
<thead>
<tr>
<th>Operation</th>
<th>Outdoor air temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling operation</td>
<td>20 ~ 60°C (32°C wet-bulb) Dry-bulb</td>
</tr>
<tr>
<td>Heating operation</td>
<td>0 ~ 24°C Dry-bulb</td>
</tr>
</tbody>
</table>

**DRED**

This air conditioner complies with DRED standards as per AS/NZS4755.3.1. It supports demand response modes 1, 2 and 3 (DRM1, 2, and 3). The outdoor unit of this air conditioner is equipped with a DRED-specific terminal block. It also supports ELV(Extra-Low Voltage) as per AS/NZS60335.1. Because the air conditioner is programmed to limit electrical power consumption when receiving the DRED input signal, cooling or heating capacity may be reduced.

In DRED-enabled mode, a small "D" is displayed on the remote controller, as shown on the pictures below. When the defrost cycle becomes active during DRED operation, touch screen controller continue to display the DRED active "D" symbol.

However, the normal controller does not; only "DEFROST" is displayed even though DRED mode remains active.

**Display in DRED mode**

RC-EX Series (From RC-EX Series)

**Display in DRED mode during Defrost operation**

RC-EX Series (From RC-EX Series)

RC-E Series (From RC-E Series)
The table indicates the details of regular inspection items and their intervals (inspection interval). This is very important to keep the equipment in the best condition. The inspection and maintenance 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 wear-out failure period is reached.

Consumable implementation: parts replacement and repair according to the result of the implementation of parts replacement and repair: according to the result of the implementation of parts replacement and repair.

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

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Details of Inspection</th>
<th>Regular Inspection</th>
<th>Criteria</th>
<th>Details of Maintenance</th>
<th>Inspection Interval</th>
<th>Maintenance Interval (Use Hours/Seasons)</th>
<th>Preventive Maintenance*</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Structural components</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decorative panel (design part)</td>
<td>Check of dirt and scratch</td>
<td>Visual inspection</td>
<td>-</td>
<td>Cleaning with neutral detergent, paintwork by repair coating</td>
<td>Ever year before final conditioning season</td>
<td></td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Intercooling grille</td>
<td>Visual check of dirt and scratch</td>
<td>Visual inspection</td>
<td>-</td>
<td>Repair or replace if defomed or damaged</td>
<td></td>
<td></td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Frame, bottom plate, etc.</td>
<td>Check of paint peeling and dirt on the heat insulation material</td>
<td>Visual inspection</td>
<td>-</td>
<td>Replace the heat insulation material if peeled off, repair and stick it</td>
<td></td>
<td></td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Vibration-proof rubber</td>
<td>Visual check of dirt and scratch</td>
<td>Visual and audible inspection</td>
<td>-</td>
<td>Replace it when worried or hardened</td>
<td></td>
<td></td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td><strong>Ventilation system parts</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fan</td>
<td>Check of vibration and balance</td>
<td>Visual inspection</td>
<td>-</td>
<td></td>
<td></td>
<td>Every week</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Fan motor</td>
<td>Check of vibration and appearance</td>
<td>Visual inspection</td>
<td>-</td>
<td></td>
<td></td>
<td>Every week</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td><strong>Drain system parts</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drain pump</td>
<td>Check of the drainage condition</td>
<td>Visual inspection</td>
<td>-</td>
<td></td>
<td></td>
<td>Every week</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td>Drainage outlet</td>
<td>Check of the drainage condition</td>
<td>Visual inspection</td>
<td>-</td>
<td></td>
<td></td>
<td>Every week</td>
<td></td>
<td>Cleaning object item</td>
</tr>
<tr>
<td><strong>Refrigerant parts</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant valves, electromagnetic valve, etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electric and electronic parts</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electric component box (including inverter)</td>
<td>Circuit insulation resistance check</td>
<td>Visual inspection</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Remote control switch</strong></td>
<td>Check of the controllability by operation</td>
<td>Visual inspection</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note 1) Random failure is an unexpected failure which occurs before the wear-out failure period. At the moment, statistical handling is the only measure against the random failure.

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

Note 3) The inspection timing of filter is basically every week. However, the contamination state varies depending on the type of filter and the air condition. Therefore, conduct the inspection in arbitrary cycles according to the use condition.

Note 4) During the inspection, the inspection personnel, and the inspective are responsible to the failure rate increases as the time passes.

*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.
### 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)

#### Random fault

A random failure 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.

#### Wear-out failure

A wear-out failure starts and how the failure rate increases as the time passes.

---

### Table: Preventive Maintenance

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Regular Inspection</th>
<th>Preventive Maintenance*</th>
<th>Elapsed Years</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical component</strong></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</td>
<td>Visual inspection</td>
<td>There should be no extreme rust generation, cracking, fracture, etc.</td>
<td>Paintwork by repair coating</td>
</tr>
<tr>
<td></td>
<td>Check of fractures and cracks of plastic parts</td>
<td>Visual inspection</td>
<td>There should be no extreme rust or damage of heat insulation material</td>
<td>Repair or replace the corresponding part.</td>
</tr>
<tr>
<td><strong>Frame, bottom-plate, etc.</strong></td>
<td>Check of rust and peeling off of the heat insulation material</td>
<td>Visual inspection</td>
<td>There should be no extreme rust or deformation</td>
<td>When the bearing sound is loud, replace the bearing</td>
</tr>
<tr>
<td></td>
<td>Check of peeling off and floating of paint coating</td>
<td>Visual inspection</td>
<td>There should be no extreme rust or damage of heat insulation material</td>
<td>Repair or replace the corresponding part.</td>
</tr>
<tr>
<td><strong>Vibration-proof rubber</strong></td>
<td>Check of deterioration and hardening of rubber</td>
<td>Visual and audible inspection</td>
<td>Vibration insulation function should not be impaired</td>
<td>Replace it when deteriorated or hardened</td>
</tr>
<tr>
<td><strong>Fan</strong></td>
<td>Check of vibration and balance</td>
<td>Visual inspection</td>
<td>Should not be in an extremely vibrating condition</td>
<td>Replace in case of vibration and extreme unbalance</td>
</tr>
<tr>
<td>Fan cover</td>
<td>Check of dust adhesion and appearance</td>
<td>Visual inspection</td>
<td>There should be no extreme rust or deformation</td>
<td>Replace in case of vibration and extreme unbalance</td>
</tr>
<tr>
<td>Fan motor</td>
<td>Sound audibility check</td>
<td>Audible inspection</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>When a bearing sound is loud, replace the bearing</td>
</tr>
<tr>
<td></td>
<td>Vibration insulation measurement</td>
<td>500 V megger</td>
<td>There should be no abnormal sound generation</td>
<td>Replace parts regularly</td>
</tr>
<tr>
<td><strong>Rear</strong></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>
</tr>
<tr>
<td><strong>Compressor</strong></td>
<td>Sound audibility and vibration at the start-up, operation, and stop</td>
<td>Visual, audible, and tactile inspection</td>
<td>There should be no abnormal sound or vibration</td>
<td>Replace if it abnormal</td>
</tr>
<tr>
<td></td>
<td>Vibration resistance measurement</td>
<td>500 V megger</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>Replace if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td></td>
<td>Noiselessness of terminals and contact of wiring</td>
<td>Driver, visual inspection</td>
<td>There should be no looseness or contact</td>
<td>Tighten, Contact of wiring path</td>
</tr>
<tr>
<td><strong>Air heat exchanger</strong></td>
<td>Check of clogging and damage due to foreign objects</td>
<td>Visual inspection</td>
<td>There should be no clogging or damage</td>
<td>Wash the air inflow side in case of clogging</td>
</tr>
<tr>
<td></td>
<td>Gas leakage</td>
<td>Gas detector</td>
<td>No leakage should be detected</td>
<td>Replace it if gas leakage is detected</td>
</tr>
<tr>
<td><strong>Piping in the unit</strong></td>
<td>Sympathetic vibration, contact, and corrosion of the piping in the unit</td>
<td>Visual inspection</td>
<td>There should be no sympathetic vibration, sound, or corrosion</td>
<td>Replace it or realign the piping when extremely corroded</td>
</tr>
<tr>
<td></td>
<td>Sympathetic vibration and contact of capillary tubing</td>
<td>Visual inspection</td>
<td>There should be no sympathetic vibration, sound, or corrosion</td>
<td>Replace it or realign the piping when extremely corroded</td>
</tr>
<tr>
<td><strong>Electronic expansion valve</strong></td>
<td>Operation check</td>
<td>Audible and tactile inspection</td>
<td>There should be no abnormal sympathetic vibration, sound, or corrosion</td>
<td>Replace it when locking occurs</td>
</tr>
<tr>
<td></td>
<td>Operation sound by power on/off (pressure check)</td>
<td>Audible and tactile inspection</td>
<td>There should be no abnormal sympathetic vibration, sound, or corrosion</td>
<td>Replace it when locking occurs</td>
</tr>
<tr>
<td><strong>Electromagnetic valve, four way switching valve, etc.</strong></td>
<td>Operation and insulation performances of electromagnetic valve, four way switching valve, etc.</td>
<td>Visual inspection</td>
<td>There should be no abnormal sound or corrosion</td>
<td>Replace it if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td></td>
<td>Corrosion, abnormal sound</td>
<td>500 V megger</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>Replace it if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td><strong>Compressor</strong></td>
<td>Refrigerant piping in the unit</td>
<td>Visual inspection</td>
<td>There should be no abnormal sound or corrosion</td>
<td>Replace it if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td><strong>Compressor</strong></td>
<td>Electronic expansion valve</td>
<td>Audible and tactile inspection</td>
<td>There should be no abnormal sound or corrosion</td>
<td>Replace it if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td><strong>Compressor</strong></td>
<td>Container, etc.</td>
<td>Visual inspection</td>
<td>There should be no abnormal sound or corrosion</td>
<td>Replace it if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td><strong>Compressor</strong></td>
<td>Protection device (security parts)</td>
<td>Pressure gauge, etc.</td>
<td>Observe the rules specified by the laws and regulations</td>
<td>Replace it if it does not operate within the permissible range of setting values</td>
</tr>
<tr>
<td></td>
<td>Pressure gauge, etc.</td>
<td>Visual inspection</td>
<td>There should be no abnormal vibration</td>
<td>Replace it if it does not operate within the permissible range of setting values</td>
</tr>
<tr>
<td><strong>Fusible plug</strong></td>
<td>Appearance check (welding of fusible alloy)</td>
<td>Visual inspection</td>
<td>There should be no abnormal vibration</td>
<td>Replace it if it does not operate within the permissible range of setting values</td>
</tr>
</tbody>
</table>

#### Footnotes

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.
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.
3. **Note 2)** The elapsed year marked with * illustrates the estimated timing when the wear-out failure starts and how the failure rate increases as the time passes.
### Part Name and Details of Inspection

<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>
</tr>
</thead>
<tbody>
<tr>
<td>Crankcase heater</td>
<td>Conductivity check</td>
<td>Tester</td>
<td>It should be in a conducting state</td>
<td>Replace if it is not in a conducting state</td>
</tr>
<tr>
<td></td>
<td>Insulation resistance measurement</td>
<td>500 V mega Tester</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>Replace if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td></td>
<td>Appearance check</td>
<td>Visual inspection</td>
<td>There should be no abnormality</td>
<td>Replace if there is abnormality</td>
</tr>
<tr>
<td>Anti-freezing heater</td>
<td>Conductivity check</td>
<td>Tester</td>
<td>It should be in a conducting state</td>
<td>Replace if it is not in a conducting state</td>
</tr>
<tr>
<td></td>
<td>Insulation resistance, appearance check</td>
<td>500 V mega Tester</td>
<td>The resistance value should be 1 MΩ or more</td>
<td>Replace if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td></td>
<td>Appearance check</td>
<td>Visual inspection</td>
<td>There should be no abnormality</td>
<td>Replace if there is abnormality</td>
</tr>
<tr>
<td>Electric component box (including inverter)</td>
<td>- Terminal part, connector looseness check</td>
<td>Visual inspection</td>
<td>- There should be no looseness at the connecting part</td>
<td>- Replace if there is looseness</td>
</tr>
<tr>
<td></td>
<td>- Capacitor (electrolytic) appearance check</td>
<td>Visual inspection</td>
<td>- There should be no liquid leakage or deformation</td>
<td>- Replace if there is liquid leakage</td>
</tr>
<tr>
<td>Electrolytic capacitor</td>
<td>- Measurement of electric capacitance and insulation resistance</td>
<td>500 V mega Tester</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td></td>
<td>- Appearance check</td>
<td>Visual inspection</td>
<td>- There should be no deposited foreign matter</td>
<td>- Replace if there is deposited foreign matter</td>
</tr>
<tr>
<td>Terminal block</td>
<td>- Terminal part across looseness, deposit of dirt</td>
<td>Visual inspection</td>
<td>- It should not be loose</td>
<td>- Replace if it is loose</td>
</tr>
<tr>
<td></td>
<td>- Visual check of dirt adhesion to the board, etc.</td>
<td>Tester, visual inspection</td>
<td>- There should be no deposited foreign matter</td>
<td>- Replace if there is deposited foreign matter</td>
</tr>
<tr>
<td></td>
<td>- Self-diagnosis mode, appearance check</td>
<td>Tester, visual inspection</td>
<td>- Should be of a specified resistance value</td>
<td>- Replace if it is outside the specified resistance value</td>
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<td>Visual inspection</td>
<td>- There should be no abnormal display</td>
<td>- Replace if the resistance value is 1 MΩ or less</td>
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<td>Visual inspection</td>
<td>- Replace if there is abnormal display</td>
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<tr>
<td>Electric component box (including inverter)</td>
<td>- HIC board short circuit check</td>
<td>Visual inspection</td>
<td>- Should be of a specified resistance value</td>
<td>- Replace if it is outside the specified resistance value</td>
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<tr>
<td></td>
<td>- Visual check of dirt adhesion to the board, etc.</td>
<td>Tester, visual inspection</td>
<td>- There should be no deposited foreign matter</td>
<td>- Replace if there is deposited foreign matter</td>
</tr>
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<tr>
<td>Pressure sensor</td>
<td>- Open, short circuit, earth, appearance check</td>
<td>Tester, visual inspection</td>
<td>- Should be of a specified resistance value</td>
<td>- Replace if in case of disconnection and short circuit</td>
</tr>
<tr>
<td></td>
<td>- Visual inspection</td>
<td>Visual inspection</td>
<td>- There should be no cracking or discoloration</td>
<td>- Replace if in case of disconnection and short circuit</td>
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<tr>
<td>Switch, etc. (including PCB, ESL)</td>
<td>- Operation, appearance check</td>
<td>Visual inspection</td>
<td>- There should be no deformation</td>
<td>- Replace if in case of malfunction, deformation, and discoloration</td>
</tr>
<tr>
<td></td>
<td>- Rough contact surface</td>
<td>Visual inspection</td>
<td>- It should operate as prescribed, there should be no deformation</td>
<td>- Replace if in case of malfunction, deformation, and discoloration</td>
</tr>
<tr>
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<td>- Output voltage measurement</td>
<td>Tester</td>
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<td>Fusible link source transformer</td>
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</table>

**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).

**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. 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.
EU DECLARATION OF CONFORMITY

We MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.
2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo, 100-8332, Japan

declare under our sole responsibility that the apparatus referred to in this declaration conforms with the following directives.

Description of apparatus: Split Type Air Conditioner
Model name:

Conformity model list

<table>
<thead>
<tr>
<th>[Indoor Unit] Category</th>
<th>[Outdoor Unit] Category</th>
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<tr>
<td>FDE Series</td>
<td>FDC - KX6 Series</td>
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<tr>
<td>FDFW Series</td>
<td>FDC - KXZ Series</td>
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<td>FDC - KX2PE1 Series</td>
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<tr>
<td>FDT Series</td>
<td>SRC - ZSX - S Series</td>
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<td>FDC - VN Series</td>
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<td>FDU-F Series</td>
<td>FDC - VNX- A Series</td>
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Relevant EU Directives:
  Machinery Directive 2006/42/EC

Applied Standards:
  EN 378-2
  EN 60335-1
  EN 60335-2-40

Authorized representative in EU:
MITSUBISHI HEAVY INDUSTRIES AIR-CONDITIONING EUROPE, LTD.
5 The Square, Stockley Park, Uxbridge, Middlesex, UB11 1ET, United Kingdom

Note: About the detail of Conformity model, see EU DECLARATION OF CONFORMITY sheet included in a package