MITSUBISHI HEAVY INDUSTRIES PACKAGED AIR CONDITIONER

Ceiling cassette - 4 way - (FDT)
Ceiling cassette - 4 way Compact (600x600mm) - (FDTC)
Ceiling cassette - 2 way - (FDTW)
Ceiling cassette - 1 way Compact - (FDUT)
Duct connected - High static pressure - (FDU)
Duct connected - Middle static pressure - (FDUM)
Ceiling suspended (FDE)
Wall mounted (FDK)
Floor standing - 2 way - (FDFW)
Floor standing (with casing) (FDFL)
Floor standing (without casing) (FDFU)
Duct connected (Ultra thin) - Low static pressure - (FDQS)
Duct connected - Low static pressure - (FDUT)
Duct connected - Compact & Flexible - (FDUD)
Duct connected - High static pressure outdoor air processing unit (FDU - F)

<WIRED REMOTE CONTROL> RC-ES
<eco touch REMOTE CONTROL> RC-ES
<ECO TOUCH REMOTE CONTROL> RC-ES
<WIRELESS REMOTE CONTROL> RC-ES
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.

This Product contains fluorinated greenhouse gases. 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).

### 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.

⚠️ 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

⚠️ 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.

⚠️ marks mean compulsory action or instruction. The specified prohibited item is described in the circle or in the vicinage.

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

⚠️ marks mean „Shock hazard alarm”.

⚠️ marks mean prohibited items. The specified prohibited item is described in the triangle. The left mark means “Shock hazard alarm”.
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.

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### 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.

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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.

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#### 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.

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

Do not use the outdoor unit or remote control. A part of core wire may be cut off causing electric leakage.

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.
**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.

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**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.

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**HOW TO USE < WIRED REMOTE CONTROL >**

**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 11

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

- **E.S.P. button**
  - Only used by service engineers for installation purposes.

- **RESET button**
  - If you press this button while making settings, you can go back to the previous operation. See page 6 to 12

- **TEST button**
  - This button is also used to reset the "FILTER CLEANUP" display. (Press it after cleaning the air filter)

- **AIR CON No. button**
  - Indicates the outdoor temperature while operating thermostat ON/OFF.

- **CHECK button**
  - Indicates that the air conditioner is not operating normally.
  - This button is used by service engineers for installation purposes.

- **TIME button**
  - Indicates the time.

- **START/STOP button**
  - This button is used to stop and operate the air conditioning system.

- **REMOTE UNIT button**
  - This button is used to control the remote unit.

- **FUNCTION button**
  - This button is used to set the silent mode.
  - See page 5 to 12

- **FUNCTION button**
  - This button is used to operate the swing louver.

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

- **TIMER button**
  - This button is used to set the timer mode.
  - See page 5

- **TIMER setting buttons**
  - These buttons are used to set the timer mode.
  - See page 6 to 12

- **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.

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

- **E.S.P. button**
  - Only used by service engineers for installation purposes.

- **RESET button**
  - If you press this button while making settings, you can go back to the previous operation. See page 6 to 12

- **TEST button**
  - This button is also used to reset the "FILTER CLEANUP" display. (Press it after cleaning the air filter)
**Guideline for room temperature setting**

**HOW TO OPERATE** *(dehumidifying operation is prohibited for FDU-F) < WIRED REMOTE CONTROL>*

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**Operation mode**

- **DRY**
- **COOL**
- **FAN**
- **HEAT**
- **AUTO**

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**ATTENTION**

- If you do not press any button for several minutes after pressing the [OFF] button, it is possible to choose the item to set.
- **ON** timer
- **OFF** timer
- **Sleep** timer
- **Weekly timer**
- **Central control**

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**THE SELECTION OF TIMER MODE**

1. Press the [TIMER] button. The mode changes to timer mode.
2. Press the [MODE] button. The range of operation mode is displayed according to the model of indoor unit.
3. Press the [SET] button to set the room temperature.
4. Press the [FAN SPEED] button. The range of fan speed modes is displayed according to the model of indoor unit.
5. Press the [LOUVER] button. If the indoor unit is equipped with the auto swing function, press the [LOUVER] button and current louver status is displayed. If the indoor unit is not equipped with the auto swing function, the message "NO LOUVER" is displayed.
6. For the louver operation. See page 11 to 12.
   - Press once while the louver is operating to display stop positions in order.
   - Press the button once more at the preferred stop position to stop the louver at that position.
   - Effective stop position: See page 11 to 12
7. Press the [SET] button. The unit stops operating at the setting time. It will operate one time per setting.
8. **ON timer**
9. **OFF timer**
10. **Sleep timer**
11. **Weekly timer**

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**Combination of modes that can be set together (×: possible ×: impossible)**

- **ON timer** × **OFF timer**
- **Sleep timer** × **Weekly timer**
- **Central control** × **ON timer**
- **Central control** × **OFF timer**
- **Central control** × **Sleep timer**
- **Central control** × **Weekly timer**

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**The mode changes to timer mode.**

- "Current day of the week" and "Current time" are displayed. (Example) Sunday 1 o'clock in the afternoon
- Display area: ① Sun ② Mon ③ Tue ④ Wed ⑤ Thu ⑥ Fri ⑦ Sat
   - ① (OFF) ② (lights)

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**How to perform the timer operation** *(WIRED REMOTE CONTROL)*

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**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. It will operate one time per setting.
- **ON timer**
  - The unit starts operating at the setting time.
- **Sleep timer**
  - The unit starts operating at the setting time.

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**The selection of timer mode**

1. Press the [TIMER] button. The mode changes to timer mode.
2. Press the [MODE] button. The range of operation mode is displayed according to the model of indoor unit.
3. Press the [SET] button. The selected timer mode is set.

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**Stop**

**OFF** button

- Press the [OFF] button. The unit stops operating immediately.
- The unit will stop when the setting time is reached.
- If you press the [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 completed is canceled.

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**NOTE**

- When you switch the ON timer mode or 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 [ON timer] button and both [OFF timer] and [Sleep timer] 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 [OFF 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**<br>**< WIRED REMOTE CONTROL >**

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.
   
   Display area:
   
<table>
<thead>
<tr>
<th>Current day of the week</th>
<th>Current time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon Wed Fri Sat</td>
<td>3:00 PM</td>
</tr>
</tbody>
</table>

   **Notice**
   - When "Current day of the week" and "Current time" are displayed, the display will return to the original one.
   - If you press the (RESET button, the remote control will return to the previous screen and display."

2. **Press** (SET button. The display area shows:

<table>
<thead>
<tr>
<th>Current day of the week</th>
<th>Current time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashes</td>
<td>3:00 PM</td>
</tr>
</tbody>
</table>

3. **Press** A or V button. Place the "V" mark above the day of the week to the current day.
   - Press A or V 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."

4. **Press** (SET button. The day of the week is fixed, and the flashing of V mark stops and lights.
   - The "Current time" value flashes, and "Current time" is displayed.
   
   Display area:
   
<table>
<thead>
<tr>
<th>Current day of the week</th>
<th>Current time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashes</td>
<td>3:00 PM</td>
</tr>
</tbody>
</table>

5. **Press** A or V 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 "Current time" is displayed to show that the current time is set.
   - Two seconds later, the display in step 1 returns, and "Current time" is displayed.
   
   Display area:
   
<table>
<thead>
<tr>
<th>Current day of the week</th>
<th>Current time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current time</td>
<td>3:00 PM</td>
</tr>
</tbody>
</table>

**OFF TIMER MODE**

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

1. **Press** (TIMER button.
   
   Display area:
   
<table>
<thead>
<tr>
<th>Set day of the week</th>
<th>Set time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashes</td>
<td>3:00 PM</td>
</tr>
</tbody>
</table>

2. **Press** (button once.
   - "OFF TIMER" is displayed.

3. **Press** (SET button.
   - "OFF TIMER" is displayed.
   
   <EXAMPLE>
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.

4. **Press** A or V button. The display changes as below. Set as you like.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.

5. **Press** (SET button. Sleep timer has been set.
   - The air conditioner will turn on when the timer is turned off.
   - After "OFF TIMER" is displayed in the display area, the display in step 2 returns.
   - When the setting time elapses, the unit stops operating.
   - Every operation stops after a certain period of time has elapsed.

6. **Press** (button. The timer mode is finished.
   - The display in step 1 returns.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.

**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.
2. **Press** button once.
   - "SLEEP TIMER" is displayed.

3. **Press** (SET button.
   - "SLEEP TIMER" is displayed.
   
   <EXAMPLE>
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.

4. **Press** A or V button. The display changes as below. Set as you like.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.

5. **Press** (SET button. The display changes as below. Set as you like.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.

6. **Press** (button. The timer mode is finished.
   - The display in step 1 returns.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.
   - "OFF TIMER" is displayed.

**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.

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**ATTENTION**

- 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 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 \( \text{TIMER} \) button.
2. Press \( \downarrow \) button for three times.
3. Press \( \text{SELECT} \) button.
4. Press \( \uparrow \) or \( \downarrow \) button.
   - If you press \( \uparrow \) or \( \downarrow \) button for a while, "Hour" display is changed by one hour, and stops when you stop pressing.
   - If you press \( \uparrow \) or \( \downarrow \) button, the number in the display becomes larger or smaller by ten minutes.
5. Press \( \text{SELECT} \) button.
6. Press \( \text{on/off} \) button and \( \text{on/off} \) is displayed.
7. Press \( \text{on/off} \) and \( \text{on/off} \) is displayed.
8. Press \( \text{on/off} \) button to set temperature.
9. Press \( \text{on/off} \) button. ON timer is set, and after "ON TIMER" is displayed, the display in step 2 returns.
10. Press \( \text{ON/OFF} \) button.

NOTICE
- If you press the \( \text{RESET} \) 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.

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

1. Press \( \text{TIMER} \) button.
2. Press \( \downarrow \) button for four times.
3. Press \( \text{SELECT} \) button.
4. Press \( \uparrow \) or \( \downarrow \) button.
   - By pressing \( \uparrow \) or \( \downarrow \) button, it is possible to choose the item to set.
5. Press \( \text{SELECT} \) button.
   - The selected mode is fixed.

1. In the Weekly timer mode, select \( \text{TIMER SET} \) and press \( \text{SET} \) button to confirm.
2. Press \( \downarrow \) button (or move to the right and left respectively, \( \uparrow \) and \( \downarrow \) 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 \( \uparrow \) button when the " mark is indicating "SAT" multiple " marks will be indicated and " mark disappears.
   - If you press the \( \downarrow \) 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 \( \text{RESET} \) button to return to selecting Weekly timer mode screen, and \( \text{TIMER SET} \) is displayed.

1. Press \( \text{SELECT} \) button.
2. Press \( \text{on/off} \) button while timer mode is under setting, timer mode is canceled and the display returns to the original one.
3. 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
- The \( \text{SET} \) button is displayed in the display area.
- The left image is displayed in the display area.
- The time display is turned off.
- The unit will operate at the set time.
- The unit will operate at the set time.
- It is possible to set temperature at which you want to start the operation.
- Selection of Weekly timer mode
   - You can set up to four ON/OFF timers per day.

EXAMPLE
- "Wednesday: 9:00 AM, " mark above the day stops flashing and lights, which indicates that the time is fixed.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
- " ON TIMER mode is finished.
• 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 "Ż" 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.

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Press [SET] button. <strong>Ż</strong> mark next to a number lights. ** Ży** mark next to a number lights. The setting so far are effective and the display changes as shown on the left.</td>
</tr>
<tr>
<td>7</td>
<td>Press [SET] button. <strong>Ż</strong> mark next to a number lights. ** Ży** mark next to a number lights.</td>
</tr>
<tr>
<td>9</td>
<td>Press [SET] button. When time display lights, the time is fixed.</td>
</tr>
<tr>
<td><strong>When OFF timer setting, setting process is completed on this step.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>A</strong>... mark lights ( ** Ży**... mark) under the day of the week which you set and the display appears as the left image.</td>
<td></td>
</tr>
<tr>
<td>Proceed to &quot;Next setting and Exiting Weekly timer mode&quot; on the right page.</td>
<td></td>
</tr>
<tr>
<td><strong>In case of ON timer setting,</strong> &quot;ŻPR150&quot; is displayed, proceed to step 10.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Press [A] or [B] button. Select other &quot;ŻPR150&quot; or &quot;ŻPR150&quot;:</td>
</tr>
<tr>
<td>11</td>
<td>Press [SET] button. <strong>Ż</strong>... mark has been selected, ON timer setting process is completed.</td>
</tr>
<tr>
<td><strong>A</strong>... mark lights ( ** Ży**... mark) under the day of the week which you set and the display appears as the left image.</td>
<td></td>
</tr>
<tr>
<td>Proceed to &quot;Next setting and Exiting Weekly timer mode&quot; on the right page.</td>
<td></td>
</tr>
<tr>
<td><strong>In case of ON timer setting,</strong> &quot;ŻPR150&quot; is displayed, proceed to step 12.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Press the temperature setting buttons [A] or [B]. Press the [A] or [B] button to increase or decrease by 1°C. Set the temperature at the start of operation.</td>
</tr>
<tr>
<td>13</td>
<td>Press [SET] button. ON timer setting with start-up temperature has been completed. The value of the temperature stops flashing and lights.</td>
</tr>
<tr>
<td><strong>A</strong>... mark lights ( ** Ży**... mark) under the day of the week which you set and the display appears as the left image.</td>
<td></td>
</tr>
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<td>Proceed to &quot;Next setting and exiting Weekly timer mode&quot; on the right page.</td>
<td></td>
</tr>
</tbody>
</table>

**NOTICE**

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

5 Press [SET] button. **Ż** mark next to a number lights. ** Ży** mark next to a number lights. The settings so far are effective and the display changes as shown on the left.


7 Press [SET] button. **Ż** mark next to a number lights. ** Ży** mark next to a number lights.


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 ( ** Ży**... mark) 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,** "ŻPR150" is displayed, proceed to step 10. |

10 Press [A] or [B] button. Select other "ŻPR150" or "ŻPR150":

11 Press [SET] button. **Ż**... mark has been selected, ON timer setting process is completed. **A**... mark lights ( ** Ży**... mark) 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,** "ŻPR150" is displayed, proceed to step 12.

12 Press the temperature setting buttons [A] or [B]. Press the [A] or [B] button to increase or decrease by 1°C. Set the temperature at the start of operation.

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 ( ** Ży**... mark) 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.

**Next setting and exiting Weekly timer mode**

After "ŻPR150" is displayed, "ŻPR150" is displayed.

1 Press [A] or [B] button. By pressing [A] or [B] button, it is possible to choose the item to set.

| **Ż** | (select the next timer operation number within the same day) |
| ** Ży** | (select the next day) |

2 Press [SET] button. **Ż** is displayed. Repeat step 1 and the subsequent steps of Weekly timer setting on page 7.

3 Press [A] or [B] button and "OFF TIMER" is displayed. Select either of the above two. Press the [RESET] button to return to the display in step 3.

4 Press [SET] button. **Ż** mark next to a number lights. ** Ży** mark next to a number lights.


7 Press [SET] button. **Ż** mark next to a number lights. ** Ży** mark next to a number lights.


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 ( ** Ży**... mark) 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,** "ŻPR150" is displayed, proceed to step 10. |

10 Press [A] or [B] button. Select other "ŻPR150" or "ŻPR150":

11 Press [SET] button. **Ż**... mark has been selected, ON timer setting process is completed. **A**... mark lights ( ** Ży**... mark) 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,** "ŻPR150" is displayed, proceed to step 12.

12 Press the temperature setting buttons [A] or [B]. Press the [A] or [B] button to increase or decrease by 1°C. Set the temperature at the start of operation.

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 ( ** Ży**... mark) 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 >

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.
   - "SAT" is displayed in the display area.
   - " crews to亮灯 are displayed.
   - " lights for two seconds"

2. Press A or Ŷ button.
   - Move the " " mark displayed above the days of week to the day which you want to set as Holiday.
   - Press A and Ŷ to move to the right and left respectively.
   - If you press the A button, the day "SUN" to "SAT" indicated with the flashing " " mark will change one day at a time. If you press the Ŷ button while the " " mark is indicating "SAT", multiple " " marks will appear and flash above "MON" to "Fri". Press the Ŷ 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 " " mark by using this function. This can be used in case you would like to apply Holiday setting to these days.

3. In case press the Ŷ button, the remote control will return to the previous screen and display "HOLIDAY SET".

4. Press C SET button.
   - The " " mark displayed above the day stays flashing and lights, and the day set as holiday signals enclosed with ( ). Then, the following is displayed.
   - "SUN" MON "TUE" "WED" "THU" "FRI" "SAT" (lights)
   - "HOLIDAY SET ON" (lights for two seconds)

5. 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, the " " mark displayed above the day stops flashing and lights, and the day set as Holiday also lights enclosed with ( ). Then, the following is displayed.
   - "SUN" (But if not set, " " mark will change one day at a time. If you press the A button while the " " mark is indicating "SAT", multiple " " marks will appear and flash above "MON" to "Fri". Press the Ŷ 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 " " mark by using this function. This can be used in case you would like to apply Holiday setting to these days.

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.
   - "SAT" is displayed in the display area.
   - " crews to亮灯 are displayed.
   - " lights for two seconds"

2. Press A or Ŷ button.
   - Move the " " mark displayed above the days of week to the day which you want to cancel Holiday setting.
   - Select the day of the week that has been set as holiday.

3. Press C SET button.
   - The " " mark above the day stops flashing and lights, and the display will return to the original one.
   - The " " mark displayed above the days of week to the day of the week as shown on the left.

Weekly timer Checking

1. In the Weekly timer mode, select and set "CHECK/DETAILer A."
   - 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.

2. Press A or Ŷ button.
   - Detailed timer operation settings are displayed in accordance with the timer operation you have selected.
   - Press Ŷ 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 C RESET button, the remote control will return to the previous screen, and display "CHECK/DETAILer A."

3. Press C ON/OFF button.
   - "CHECK/DETAILer A."

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.

1. In the Weekly timer mode, select and set "CHECK/DETAILer A."
   - 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.

2. Press A or Ŷ button.
   - Detailed timer operation settings are displayed in accordance with the timer operation you have selected.
   - Press Ŷ button to display from Sunday and the lowest timer operation number.
   - Press Ŷ button to display the settings in the reverse order.
   - Select the timer operation number on a day of the week you want to cancel.
   - Press C RESET button, the remote control will return to the previous screen, and display "CHECK/DETAILer A."

3. Press C ON/OFF button.
   - "CHECK/DETAILer A."

4. Press C SET button.
   - The display returns to the original one.
   - The " " mark displayed above the day stays flashing and lights, and the day set as Holiday also lights enclosed with ( ). Then, the following is displayed.
   - "SUN" (But if not set, " " mark will change one day at a time. If you press the A button while the " " mark is indicating "SAT", multiple " " marks will appear and flash above "MON" to "Fri". Press the Ŷ 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 " " mark by using this function. This can be used in case you would like to apply Holiday setting to these days.

5. Press C ON/OFF button.
   - Timer mode ends.
**HOW TO OPERATE IN SILENT MODE < WIRED REMOTE CONTROL >**

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.

1. **Silent Mode Setting**
   - In the timer mode, set the current day of the week and current time.
   - **Press SET button for three seconds or more.**
   - The remote control goes into silent mode setting and the following is displayed.
   - **SELSILEN** (e.g. *SEL SILEN 4 (Right)*)
   - **Press A or V button.**
   - If **A** button is pressed, “SEL SILEN 4” is displayed.
   - If **V** button is pressed, “SEL SILEN 1” is displayed.
   - Select **SET SILEN**
   - If you press the **RESET** button, the remote control return to the original screen.

2. **Canceling Silent Mode (Setting)**
   - Select **[TIMER]** in step 2, press **SET** button and silent setting is canceled ending the silent mode.
   - “SILEN” is displayed.
   - 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 OFF time : “**SILEN**”
   - At the ON time : “**SILEN**”
   - If you select **SN** button, you can continue the silent mode until it is canceled. At the first ON time, the display shows “**SILEN**” for three seconds and returns to original display.
   - **Press** **A** or **V** button to set the duration.
   - **Set the “ON TIME”**
     - **Press** **SET** button.
     - **If** you hold **A** or **V**, the number in “**Hour**” display changes, and if you release it, the number stops changing.
     - **Set “Minute”**
     - **If** you press **A** or **V** button, the number in the display becomes larger or smaller by ten minutes.
     - **If you press** **A** or **V** button, the remote control return to the **SET** display.

3. **Press** **SET** button.
   - The ON TIME is set and the following is displayed.
   - “**SILEN**” is displayed.

4. **Press** **SET** button.
   - The following setting is displayed.
   - “**SILEN**” (durations for two seconds)

5. **Press** **A** or **V** button.
   - Set the “OFF TIME”
     - **Press** **SET** button.
     - **If** you hold **A** or **V**, the number in “**Hour**” display changes, and if you release it, the number stops changing.
     - **Set “Minute”**
     - **If** you press **A** or **V** button, the number in the display becomes larger or smaller by ten minutes.
     - **If you press** **A** or **V** button, the remote control return to the **SET** display.

6. **Press** **SET** button.
   - The OFF TIME is set and the following is displayed.
   - “**SILEN**” (durations for two seconds)

7. **Press** **A** or **V** button to set the duration.
   - **Set Off time**
     - When you press **A** button, and the duration is increased by two hours as below, “**SILEN**”
     - “**SILEN**”
     - When you press **V** button, and the duration is decreased by two hours.
     - **If you press** **RESET** button, the “**ON TIME SET**” display returns.

8. **Press** **SET** button.
   - The silent to end and displayed.
   - The setting display turns off, and returns to original display.

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

**TIMER CANCELLATION MODE**

1. **Press** **TIMER** button.
   - The current “The day of the week” and “the current time” are displayed.
   - “**SLEEP**” (first press)
   - “**OFF**” (second press)
   - “**ON**” (third press)
   - “**WEEKLY**” (fourth press)
   - “**TIMER CANCEL**” (fifth press)

2. **Press** **button for five times.
   - “**SLEEP TIME**” (first press)
   - “**OFF TIME**” (second press)
   - “**ON TIME**” (third press)
   - “**WEEKLY**” (fourth press)
   - “**TIMER CANCEL”** (canceling all days of the week)

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

4. **Press** **A** or **V** button.
   - By pressing **A** or **V** button, it is possible to choose the item to cancel.
   - “**SLEEP TIME**”
   - “**OFF TIME**”
   - “**ON TIME**”
   - “**WEEKLY**”
   - “**TIMER CANCEL””
   - **If you press** **button, the remote control will return to the previous screen, and display “**TIMER CANCEL**”**

5. **Press** **SET** button.
   - The display of the detailed timer setting is turned off, and “**THE DAY OF THE WEEK” and “the current time” are displayed.

6. **Press** **button while timer mode is under setting.
   - Timer mode is canceled.
   - The settings are displayed as shown below.
   - **Display EXAMPLE when “WEEKLY” is selected**

7. **Press** **SET** button.
   - The current “The day of the week” and “the current time” are displayed.

8. **Press** **button while timer mode is under setting.
   - Timer mode is canceled.
   - The display turns off, and returns to original display.

**NOTICE**

- In case “WEEKLY” “OFF TIME” “ON TIME” “WEEKLY” was selected.
- **Press** **SET** button.
  - The detailed setting of selected timer mode is displayed as shown below.
  - “**OFF TIME**” is displayed.

- If you would like to quit cancellation, press the **RESET** button to return to the “**ON/OFF**” display (step 4 above)

- **Press** **SET** button.
  - The display of the detailed timer setting is turned off, and after the message “**CANCEL?**” is displayed for two seconds, **“**CANCEL?”** is displayed again (step 4 above)

- Press steps 4 to 6 to continue canceling timer mode settings.

**HOW TO OPERATE IN SILENT MODE < WIRED REMOTE CONTROL >**

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.

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.
   - **SELSILEN** (e.g. *SEL SILEN 4 (Right)*)

3. **Press** **A** or **V** button.
   - If **A** button is pressed, “**SEL SILEN 4”** is displayed.
   - If **V** button is pressed, “**SEL SILEN 1”** is displayed.
   - Select **SET SILEN**
   - If you press the **RESET** button, the remote control return to the original screen.

4. **Press** **SET** button.
   - The following setting is displayed.
   - “**SILEN**” (durations for two seconds)

5. **Press** **A** or **V** button.
   - **Set the “ON TIME”**
     - **Press** **SET** button.
     - **If** you hold **A** or **V**, the number in “**Hour**” display changes, and if you release it, the number stops changing.
     - **Set “Minute”**
     - **If** you press **A** or **V** button, the number in the display becomes larger or smaller by ten minutes.
     - **If you press** **A** or **V** button, the remote control return to the **SET** display.

6. **Press** **SET** button.
   - The ON TIME is set and the following is displayed.
   - “**SILEN**” is displayed.

7. **Press** **A** or **V** button to set the duration.
   - **Set Off time**
     - When you press **A** button, and the duration is increased by two hours as below, “**SILEN**”
     - “**SILEN**”
     - When you press **V** button, and the duration is decreased by two hours.
     - **If you press** **RESET** button, the “**ON TIME SET**” display returns.

8. **Press** **SET** button.
   - The silent to end and displayed.
   - The setting display turns off, and returns to original display.
**HOW TO ADJUST THE LOUVER (IN CASE OF FDT, FDTC, FDE, FDK, FDFW) < WIRED REMOTE CONTROL >**

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

Press $\text{LOUVER}$ button once, and the current status of louver is displayed.

When you operate the swing louver

1. Press $\text{LOUVER}$ button, and change the display to $\text{STOP}$.

The function of the swing louver during the heating preparation, heating/defrost

"(horizontal)" or "Heating/Defrost" is displayed, the position of the swing louver is automatically switched to horizontal.

When the operation is switched to normal after "The heating preparation" or "Heating/Defrost" ends, the position of swing louver returns to the last setting.

**CAUTION**

- 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)

1. Press $\text{LOUVER}$ button once while the louver is swinging, and 4 stop positions are displayed every one second in order.

2. Press $\text{LOUVER}$ 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

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

**NOTE**

- For FDT and FDTC types, in case the louver No. to be set is uncertain, set any louver temporarily. The louver will swing once 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 AND FDK TYPE**

- For FDE and FDK type, set louver No. 1.

**FOR FDFW TYPE**

- For FDFW type, set louver No. 2.

**HOW TO SET THE AIRFLOW DIRECTION (IN CASE OF FDT, FDTC, FDE, FDK, FDFW) < 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 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 $\text{SET}$ button and $\text{LOUVER}$ button simultaneously for three seconds or more.

2. Press $\Delta$ or $\nabla$ button. (selection of indoor unit)

   Select the indoor unit of which the louver is set.

   **EXAMPLE**

   1/A000

   $\text{SET}$ button. (determination of indoor unit)

   Selected indoor unit is fixed.

   **EXAMPLE**

   $\Delta$ or $\nabla$ button. (selection of upper limit position)

   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, $\text{1/UPPER}$ ← currently upper limit position

3. Press $\text{SET}$ button. (selection of indoor unit)

4. Press $\Delta$ or $\nabla$ button. (selection of louver No.)

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

   **EXAMPLE**

   $\Delta$ or $\nabla$ button. (selection 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, $\text{1/UPPER}$ ← currently upper limit position

5. Press $\text{SET}$ 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**

   1/UPPER $\rightarrow \uparrow$ (The most upward)
   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$
   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$
   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$
   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$
   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$

6. Press $\Delta$ or $\nabla$ 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 1" or "position 2" is to return to the factory setting. If you need to change the setting to the factory setting, use "position 1".

   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$
   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$
   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$
   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$
   $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$

   11
HOW TO SET THE AIR FLOW DIRECTION < WIRED REMOTE CONTROL >

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.
   [EXAMPLE]
   “No.1 UPPER 5” (lights for two seconds)
   “No.1 LOWER 5” (shows current setting)

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 --”.
   “No.1 UPPER 5” (the most horizontal)
   “No.1 UPPER 6”
   “No.1 LOWER 1”
   “No.1 LOWER 2”
   “No.1 LOWER 3”
   “No.1 LOWER 4”
   “No.1 LOWER 5” (the most downwards)
   “No.1 LOWER 6” (return to the position of shipment)

9 Press SET button (Fixing of the lower limit position).
   The upper limit position and lower limit position are fixed, the set positions light 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 is in operation.)
   [EXAMPLE]
   “No.1 UP 6” (lights for two seconds)
   “SET COMPLETE”

10 Press ON/OFF button.
   Louver adjusting mode ends and returns to the original display.

NOTICE

• If you press RESET button during settings, the display will return to previous display. If you press SET 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.

AIROULET 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 airflow is selected, UPPER AIR FLOW LED on the unit display will light green only under run.

<WIRELESS REMOTE CONTROL>

1. Stop the air conditioner.
2. Select the airflow from AIR SELECTION button on the unit display.
   • In case of selecting to upper airflow.
     Press the AIR FLOW SELECTION button once.
     Press the AIR FLOW SELECTION button again after two seconds.
   • In case of selecting upper and lower airflow.
     When UPPER AIR FLOW LED is lit by pressing AIR FLOW SELECTION button, press AIR FLOW SELECTION button once again. UPPER AIR FLOW LED will turn off.

HOW TO OPERATE VENTILATION (WHEN A VENTILATOR IS INSTALLED) < WIRED REMOTE CONTROL >

When the ventilator is set to "NO VENTI LINK", the ventilator can be turned on and off independently regardless of the operation of the air conditioner.

When the ventilator is set to "VENTI LINK", the ventilator operation will be interlocked with the air conditioner operation.

VENTILATION OPERATION NOT LINKED WITH UNIT’S OPERATION

1 Press VENTI button. “ü” is displayed, and the ventilation operation begins.

Stop
Press VENTI button again.

VENTILATION OPERATION LINKED WITH UNIT’S OPERATION

1 Press VENT button.
   If a ventilator is connected, ventilation will operate automatically. “È” is displayed.

Stop
Press VENT button again.

NOTICE

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

FOR COMFORTABLE USE

Clean the filter frequently.
See page 10.

If the filter is clogged...
• The cooling/heating capacity will get reduced. Moreover it leads to waste of electricity and longer operation noise.
• It may cause failure.
• Dehumidification and drop during cooling.
• Do not block the inlet and outlet grilles of the indoor and outdoor units.

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 airflow 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. 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.
In order to explain the displays in the liquid crystal display, all of them are shown in the figure below.

### Inspection Display, Filter Sign, Air Conditioner Number, Standby and Room Temperature Display

**Wired Remote Control**

When checking the indicator light (red flashes)

- The air conditioner stops in the event of an abnormality.
- 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.

**TAD** → "PROTECT STOP" → (Air conditioner number) (for 2 seconds by turn)

**Error display when multiple indoor units are connected**

- If errors have occurred for all the connected air conditioning units. Initially, the error display shows the formation of the air conditioning unit whose number is the lowest. Errors of other air conditioning units can be checked with the following procedure.

1. Press AIR CON No. button. Enter AIR CON No. display mode.
2. Press a button. AIR CON No. and error code are displayed in order from the lowest. Press button to display in the reverse order.
3. Press 1 button. Return to the AIR CON 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 a 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 1 button. Return to the AIR CON of the lowest number.

- When the filter cleaning message is displayed

The "FILTER CLEANING" is displayed when the cumulative operation hours reach to the predetermined number of hours to notify the time for cleaning.

**After cleaning**

1. Press 1 button. The cumulative operation hours are reset and the "FILTER CLEANING" message turns off.

### 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. mode appears and the AIR CON of the lowest number is displayed. Other displays all turn off.
2. Press a button. AIR CON No. are displayed in order from the lowest. And error codes are displayed on the unit in trouble. If any errors have occurred to the unit in the region, the error codes can be found here. Press button to display in the reverse order.
3. Press 1 button. Return to the AIR CON of the lowest number.

- If the display of remote control has troubles, press ACL switch. If the display of remote control has troubles, press ACL switch. If the display of remote control has troubles, press ACL switch. If the display of remote control has troubles, press ACL switch.

### Remote Control Branding and Handling Procedure

**Replacing the Batteries**

- If the batteries are exhausted, replace them with new ones.

1. Pull out the cover.
2. Replace the old batteries with new ones.
3. Close cover.
4. Adjust the current time.

**Standby Display**

During the first operation after breaker power supply input or the recovery from power failure, "STANDBY" can be displayed on the remote control for maintenance.

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 achieved, room temperature is displayed on the remote control display. When air display turns off, after short pressing button is operated. Contact your dealer for settings.

**Backup Display**

The backup display appears on the screen. Please contact the dealer when the unit has stopped.

The backup display is indicated per 1 second at intervals of 5 seconds when the air conditioner is in operation.

### Names and Functions of Remote Control Buttons

**Wired Remote Control**

- **REMOTE CONTROL**
  - Indoor unit does not start and run when the remote control unit is operated.
  - Ensure that the remote control is set to an "Radio Interference Prevention Setting." It returns to default when the batteries are removed. It is necessary to perform the following procedures again.

1. When the batteries are inserted, each operation mode is as at the right figure. Adjust the current time referring to page 14. (The figure is for operation, and only the current time is displayed for stopping.)
2. How to set Radio Interference Prevention Setting
   - It is possible to set in two ways. Press button with pressing button press pressing or press the batteries with the button kept pressing from the battery.
   - The recommended effective period of a battery is about 1 to 12 months. (It depends on the usage.)
   - The recommended effective period of a battery is about 1 to 12 months. (It depends on the usage.)
   - The recommended effective period of a battery is about 1 to 12 months. (It depends on the usage.)
   - The recommended effective period of a battery is about 1 to 12 months. (It depends on the usage.)

**ATTENTION**

- Do not use old and new batteries mixed.
- Remove the batteries when the remote control is not used for a long time.
- The recommended effective period of a battery is about 1 to 12 months. (It depends on the usage.)
   - The recommended effective period of a battery is about 1 to 12 months. (It depends on the usage.)
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**OPERATION MODE select button**

- Used to select the mode: HI, MED, LO, and AUTO. The selected mode is displayed by pressing and holding the button.

**ON/OFF button**

- Used to turn the air conditioner on and off.

**OFF-TIMER setting time display**

- Used to set the OFF-TIMER setting time display.

**TEMP display**

- Displays the room temperature current setting.

**FAN SPEED button**

- Displays the selected airflow volume.

**ON TIMER setting time display**

- Displays the setting time for the ON TIMER.

**OFF-TIMER setting time display**

- Displays the setting time for the OFF-TIMER.

**OPERATION MODE select button**

- Used to select the mode: HI, MED, LO, AUTO. The selection is set as the right figure. Adjust the current time referring to page 14.

**WIRELESS REMOTE CONTROL**

- **Remote Control**
  - *WHEN THE FILTER CLEANING MESSAGE IS DISPLAYED*
  - WHEN THE FILTER CLEANING MESSAGE IS DISPLAYED
  - WHEN THE FILTER CLEANING MESSAGE IS DISPLAYED
  - WHEN THE FILTER CLEANING MESSAGE IS DISPLAYED
  - WHEN THE FILTER CLEANING MESSAGE IS DISPLAYED

**Replacing the Batteries**

- If the batteries are exhausted, replace them with new ones.

1. Pull out the cover.
2. Replace the old batteries with new ones.
3. Close cover.
4. Adjust the current time.

**Standby Display**

During the first operation after breaker power supply input or the recovery from power failure, "STANDBY" can be displayed on the remote control for maintenance.

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 achieved, room temperature is displayed on the remote control display. When air display turns off, after short pressing button is operated. Contact your dealer for settings.

**Backup Display**

The backup display appears on the screen. Please contact the dealer when the unit has stopped.

The backup display is indicated per 1 second at intervals of 5 seconds when the air conditioner is in operation.

**Names and Functions of Remote Control Buttons**

**Wireless Remote Control**

In order to explain the displays in the liquid crystal display, all of them are shown in the figure below.
HOW TO OPERATE

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 icon. The mode will change in the following order by pressing the button:

   - AUTO
   - COOL
   - DRY
   - HEAT

   (The automatic operation can be selected in case of heat recovery system KXR only. In case of KX, the automatic operation cannot be selected. In this case, setting changes to automatic operation.) See page 13.

3. Press TEMP button. Set the room temperature by pressing or button. In case of FDU-F, the setting temperature range is 16°C to 30°C.

4. Press FAN SPEED button. Selects FAN mode operation: Low, Medium, High, or 100% (FAN: LO, ME, HI, 100%).

5. Press AIR FLOW button. Effective air flow direction: see page 15

   - AUTO
   - Vertical
   - Horizontal
   - Vertical + Horizontal

   (The operation display light (Green) turns on, and the operation starts.)

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

7. Press OFF TIMER button to set again.

HOW CURRENT TIME SETTING PROCEDURE

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

1. Press TIME SET UP switch. Press 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. Pressed time will be changed by 10 minutes by pressing the buttons.

3. Press TIME SET UP switch. The time set by the time display is set as current time when the button is pressed.

EXAMPLE) AM (morning) 8:00 setting

1. Press ON/OFF button. Operation is started at the setting time.

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/OFF button. If ON timer display stops flashing and lights, and the setting is completed. (Press within 60 seconds)

   - ON 8:00, TIMER/CHECK display lamp turns on 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/OFF button to set again.

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.

1. Press ON timer button. Press within 60 seconds)

   - OFF 8:00, TIMER/CHECK display lamp turns on and the air conditioner will stop 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 operation of remote control must be performed slowly and steadily.
- 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 same time cannot be set for OFF timer and ON timer.
- Both ON TIMER and OFF TIMER are displayed. The direction of arrow mark changes depending on the state of operation.

ON – TIMER OPERATION

Operation is started at the setting time.

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

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

OFF – TIMER OPERATION

Operation is stopped at the setting time.

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

1. Press ON/OFF button when the air conditioner stops. The air conditioner starts to operate.

2. Press OFF timer button. Press with the tip of ballpoint etc.

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

4. Press OFF timer button. Press within 60 seconds)

   - ON 8:00, TIMER/CHECK display lamp turns on 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 OFF-TIMER button to set again.

Guideline of room temperature setting

- COOL: 22°C to 24°C
- DRY: 21°C to 24°C
- HEAT: 22°C to 24°C
- AUTO: 22°C to 24°C

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.)

Compressor warm, and prevents failures caused by accumulation of liquid refrigerant.)

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.)

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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.)
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.

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.

CAUTION

Do not set the position of the swing louver downwards for a long time. Dew formation on the side panel may drop. (in case of FDE)

FOR COMFORTABLE USE

See page 12

CHECK INDICATION, FILTER SIGN

Ceiling suspended (FDE)

When short flashing light (lights for 0.5 seconds and blinks for 0.5 seconds) is shed from the timer/check indicator lamp (yellow)

If there is something wrong with the air conditioner,

• Immediately after the timer/check indicator lamp flashed (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 remote 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.

NOTICE

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 OFF button to stay the air conditioner on the stop mode.

WHEN LONG FLASHING LIGHT (lights for 2 seconds and blinks for 1 second) IS SHED FROM THE TIMER/CHECK INDICATOR LAMP (YELLOW)

Clean the filter:

• 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.

Detail of display

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

Ceiling cassette-4 way (FDT)

Ceiling cassette-4 way Compact (600×600mm)-(FDT/C)

Ceiling cassette-2 way (After FDTW-KXE6F)

Floor standing-2 way- (FDFW)

Wall mounted (FDK)

NOTICE

For FDTW, FDK and FDFW, address No. is not shown on display.

For FDTW, FDK, and FDFW, error code is shown on display.

The number of blinking shows the error code number. For example, check1/check2 corresponds to tens/ones place.
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)

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

2. Install the air filter in the correct order.

• How to handle inlet grille/filter

Removal

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.

ON/OFF

Press backup button and leave it untouched for two seconds. The operation starts.

Press it again to stop the operation.

OPERATION MODE .......... AUTO
FAN SPEED ............................ HI
TIMER ............................... No setting
SET TEMP .............................. 23°C
AUTO SWING .................... STOP (HORIZONTAL)

In case of FDE/FDT/FDTC/FDK/FDFW

1. Push one side of the inlet panel (pin A side) upward.
2. Disengage the panel from pin A.
3. Disengage the panel from the pin B and remove the panel.
4. Press the air filter and turn the stopper to remove the air filter.

Ceiling cassette −2 way− (FDTW)

1. Push one side of the inlet panel (pin A side) upward.
2. Disengage the panel from pin A.
3. Disengage the panel from the pin B and remove the panel.
4. Press the air filter and turn the stopper to remove the air filter.

Wall mounted (FDC)

Ceiling suspended (FDE)

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

Floor standing -2way- (FDFW)

Ceiling cassette −2 way− (FDTW)
HOW TO MAINTAIN

1. Slide the lever of the suction grille 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 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.

Wall mounted (FDK)

1. Pull up the suction grille forward.

2. Lightly hold the handle of the air filter, slightly lift it upward, and then pull it out forward.

Ceiling cassette -1 way- (FDT)

1. Slide the lever of the suction grille in the direction of the arrow (→), and open it downwards.

2. While lightly pushing up, remove the filter from the labe at the left and right, and pull towards the front.

Ceiling cassette -1 way compact (FDT)

1. Slide the lever of the suction grille in the arrow (→) direction to open the grille.

2. While lightly pushing up, remove the filter from the labe at the left and right, and pull towards the front.

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.

3. When mounting, press the lever forward until it snaps.

When attaching the filter, insert the filter into the tabs of the inlet grille.

Floor standing (FDL)

1. Remove the front panel and pull the air filter out from the bottom of the unit.

2. Press the inlet grille, press the filter to remove it from the tab and pull it downwards.

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

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 (approximately 30°C), and wash it with a piece of cloth over 15°.

3. After the air filter is dried, mount it to the main body and press the RESET button.

ATTENTION

- Do not dry by exposing the air filter to the direct sunlight or using fire. Otherwise, the filter may be damaged.
- Do not operate the air conditioner with the filter removed. Otherwise it may lead to troubles.

MAINTENANCE OF THE UNIT

- Check the unit by wiping each with a piece of soft and dry cloth. If the unit is a 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

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

AT THE BEGINNING OF THE PERIOD OF USE

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

Check the following items before requiring service.

**THE UNIT DOES NOT WORK AT ALL**

- Is the power supply switch turned off?
- Is the air filter clogged?
- Is the air conditioner clogged?
- Is the swing louver activated?

**POOR COOLING OR HEATING**

- Is the fan running normally?
- Is there any unexpected noise in the room?
- Is there too many people in the room?

**POOR COOLING**

- Is the direct dayight coming in the room?
- Is there any unexpected heat sources in the room?
- Is there too many people in the room?

**PREPARATION OF HEATING**

- Is there a blockout or is the fuse blown?
- Is the leakage breaker activated?
- Is sunlight or other strong illumination striking the outdoor unit?

**TROUBLE SHOOTING**

The phenomena mentioned below is not malfunction.

- **PREPARATION OF HEATING** is displayed in the remote control display area in the following cases.
- **POOR COOLING**
- Is the air filter clogged?
- Is the swing louver activated?

**The phenomena mentioned below is not malfunction.**

- The air conditioning system sounds as if water is draining from it.
- The air conditioning system cannot start operation even immediately after stopping.
- The air conditioning system switches to fan operation during cooling operation.
- The air filter is clogged.
- The swing louver is turned off.

The phenomena mentioned below is not malfunction.

- The air conditioning system operates as if it is draining from it.
- The air conditioning system cannot start operation even immediately after stopping.
- The air conditioning system switches to fan operation during cooling operation.
- The air filter is clogged.
- The swing louver is turned off.

**CAUTION**

- If water drips at cooling/dehumidifying operation.
- Are there any obstacles off the power supply switch, activated?
- Is the direct daylight coming into the room?
- Is the unit in the setting temperature display lamp on the main body display unit will flash green.

**HEATING OPERATION**

- **Heat pump type**
- **Defrost operation**
- **Outdoor air temperature and heating capacity**
- **Room temperature and heating adjusting device**
- **Auto restart**

**PREPARATION OF HEATING**

- **PREPARATION OF HEATING** is displayed in the remote control display area in the following cases.
- For wireless devices, the display is on the main body display unit will flash green.
- Setting temperature and preparation of heating air is displayed on the wireless remote control.
- **At defrost operation (during heating operation)**
- **Time required until the room temperature increases**
- **Power failure occurs or the power supply is turned off**
- **Recover.**
- **Frost may easily formed on the outdoor unit**
- **Remote control**
- **Outdoor unit**
- **Cooler stops at the horizontal position.**

**POWER FAILURE**

- If a power failure occurs or the power supply is turned off, the function allows the system to automatically resume operation with the remote control.
- **When the remote unit with the trouble display**
- **When the remote unit is turned on**
- **When the remote unit is turned on**
- **When the remote unit is turned on**
- **When the remote unit is turned on**
- **When the remote unit is turned on**

**AUTO RESTART**

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

What is auto restart
- If a power failure occurs or the power supply is turned off, the function allows the system to automatically resume operation with the remote control.
- **When the remote unit is turned on**
- **When the remote unit is turned on**
- **When the remote unit is turned on**
- **When the remote unit is turned on**
- **When the remote unit is turned on**
- **When the remote unit is turned on**

**CAUTION**

- Set the air conditioner in operation automatically as soon as the power supply is turned on.
- Changing the set temperature is prohibited on the remote control. It is not possible to change the temperature setting even if it is pressed.
- In case of wireless remote control, the unit does not operate with the remote control.
- The system is controlled by the other centralized remote control and it is not possible to operate the system from the remote control. It is not possible to operate the system from the remote control.
- If the check indicator light flashes.
- If the wireless remote control is operated, “central remote control” light only flashes and does not operate.

**PREPARATION OF HEATING**

- **POOR COOLING**
- Is the air filter clogged?
- Is the swing louver activated?
- Is there any unexpected noise in the room?
- Is there too many people in the room?

**POOR HEATING**

- Is there any unexpected heat sources in the room?
- Is there too many people in the room?

**PREPARATION OF HEATING**

- Is the air filter clogged?
- Is the swing louver activated?
- Is there any unexpected heat sources in the room?
- Is there too many people in the room?

**PREPARATION OF HEATING**

- Is the air filter clogged?
- Is the swing louver activated?
- Is there any unexpected heat sources in the room?
- Is there too many people in the room?

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- Is the swing louver activated?
- Is there any unexpected heat sources in the room?
- Is there too many people in the room?

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- Is there any unexpected heat sources in the room?
- Is there too many people in the room?

**PREPARATION OF HEATING**

- Is the air filter clogged?
- Is the swing louver activated?
- Is there any unexpected heat sources in the room?
- Is there too many people in the room?
### SETTING TO DISABLE BUTTON OPERATION
(Wired remote control)

**NOTICE**

The following button operations can be disabled. If the button is pressed, "19991999" is displayed indicating that the button is disabled, and the original display returns. Contact your dealer for "19991999" setting.

**button**
- TEMP button
- MODE button
- FAN SPEED button
- TIMER button

**19991999</Wired remote control>**

### INSTALLATION, RELOCATION, AND INSPECTION MAINTENANCE

Please observe the following points in order to use the air conditioner in a safe and comfortable manner. Make sure to request your dealer for installation, and do not attempt to do by yourself.

#### INSTALLATION LOCATION

- Is the system installed in a well-ventilated place? (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:** A Leakage breaker is necessary depending on the installation environment.
- **Caution:** If it is not mounted there, it may lead to electric shock.

Only qualified specialist of electrical and grounding work can do these works according to "electric equipment technical standard".

- Is the wire designated for the air conditioner?
- Is the remote control mounted correctly?
- Is the remote control mounted at a height where children cannot reach?

#### RELOCATION

- **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 approximately 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 periodical inspection (charged).

#### OPERATION RANGE

**NOTICE**

Please use the system in the following operation range. If the system is operated outside this range, the protective controls may be activated to prevent malfunctions.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Operation</th>
<th>Outdoor air temperature</th>
<th>Temperature inside the room</th>
<th>Humidity inside the room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cooling</strong> operation</td>
<td>Approximately 25°C or less</td>
<td>Approximately 16 to 35°C</td>
<td>Approximately 40% or less</td>
<td></td>
</tr>
<tr>
<td><strong>Dry operation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Heating</strong> operation</td>
<td>Approximately 30°C or less</td>
<td>Approximately 16 to 35°C</td>
<td>Approximately 40% or less</td>
<td></td>
</tr>
<tr>
<td><strong>Dry operation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

#### FDUF

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<thead>
<tr>
<th>Condition</th>
<th>Outdoor air temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cooling</strong> operation</td>
<td>Approximately 25°C or less</td>
</tr>
<tr>
<td><strong>Dry operation</strong></td>
<td>Approximately 25°C or less</td>
</tr>
<tr>
<td><strong>Heating</strong> operation</td>
<td>Approximately 15°C or less</td>
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**MAINTENANCE AND INSPECTION GUIDELINE OF MAIN PARTS OF PACKAGED AIR CONDITIONER**

This table indicates the details of regular inspection items and their intervals (inspection interval), and the timing of parts replacement under a normal use condition. The equipment falls into a certain category specified by the laws and regulations of each country, conduct this maintenance and inspection according to the specified rate Info. As for the preventive maintenance, if the regular inspection interval is indicated as the “maintenance interval,” this is to prevent the equipment from developing a failure. As to the parts replacement and repair after the inspection, the timing is set by estimating the operation or use time, when the wear level is the specified value 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.

**Explanations of symbols:**
- Conduct the cleaning and adjustment according to the inspection result
- Conduct the periodic replacement (consumable component)
- Conduct the periodic replacement (non-consumable component)

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Details of Inspection</th>
<th>Inspection Method</th>
<th>Criteria</th>
<th>Details of Maintenance</th>
<th>Inspection Interval</th>
<th>Maintenance Interval (Week/Year)</th>
<th>Suggested Parts</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structural component</td>
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<tr>
<td></td>
<td>Check the dirt and scratches</td>
<td>Visual inspection</td>
<td>There should be no dirt, scratches, or adhesions</td>
<td>Changing or new adhesive, patches by repair coating</td>
<td>6 years</td>
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**Note 1:** 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 to prevent 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 every 10 hours/day and 2500 hours/year in a normal operating condition without frequent starting. This may vary according to the operating condition. Please check the calculation basis of this elapsed year when making a maintenance contract.

**Note 3:** Extends the estimated timing when the wear-out below becomes and how the failure times increases as the time passes.

**Note 4:** The inspection timing of filter is basically every week. 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.
**Mainly Outdoor 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: Component Details**

<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>
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<tbody>
<tr>
<td><strong>Electrical components</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>Compressor</strong></td>
<td>Sound and vibration at the start-up, operation, and stop.</td>
<td>Visual inspection</td>
<td>There should be no abnormal sound generation, vibration, etc.</td>
<td>Replace if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td><strong>Air heat exchanger</strong></td>
<td></td>
<td>Visual inspection</td>
<td>There should be no abnormal sound generation, vibration, etc.</td>
<td>Replace if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td><strong>Flying in the unit</strong></td>
<td></td>
<td>Visual inspection</td>
<td>There should be no abnormal sound generation, vibration, etc.</td>
<td>Replace if the resistance value is 1 MΩ or less</td>
</tr>
<tr>
<td><strong>Electronic expansion valve</strong></td>
<td></td>
<td>Visual inspection</td>
<td>There should be no abnormal sound generation, vibration, etc.</td>
<td>Replace if the resistance valve is 1 MΩ or less</td>
</tr>
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<td><strong>Electronic refrigeration, gas leak detector</strong></td>
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<td>Visual inspection</td>
<td>There should be no abnormal sound generation, vibration, etc.</td>
<td>Replace if the resistance valve is 1 MΩ or less</td>
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**Note 1:** Random fault includes unexpected failures which occur 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 S assumes the operating time as 10 hours/day and 2500 hours/year as a normal operating condition without frequent starting. This may vary according to the operating conditions. Please check the calculation basis of the elapsed year when making a maintenance contract.

**Note 3:** Barthes the estimated timing when the wear-out failure occurs and how the failure rate increases as the time passes.
### Explanation of symbols
- Random failure: The failure starts and how the failure rate increases as the time passes.
- Wear-out failure: Illustrates the estimated timing when the wear-out failure starts and how the failure rate increases as the time passes.
- 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. 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 starting. This may vary according to the operating condition. Please check the calculation basis of the elapsed year when making a maintenance contract.

#### Note 3
Explains the estimated timing when the wear-out failure starts and how the failure rate increases as the time passes.
EU DECLARATION OF CONFORMITY

MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.
16-5 Konan 2-chome, Minato-ku, Tokyo,
108-8215, 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</th>
<th>Outdoor Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>Category</td>
</tr>
<tr>
<td>FDW Series</td>
<td>FDP - KAE Series</td>
</tr>
<tr>
<td>FDU Series</td>
<td>FDC - KAZPEU Series</td>
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<td>FDUH Series</td>
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<td>FDUUM Series</td>
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<td>FDU-F Series</td>
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<td>FDU Series</td>
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<td>FDFU Series</td>
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</tbody>
</table>

Relevant EU Directives:
Machinery EU Directive 2006/42/EC

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

Authorized representative in the EU:
MITSUBISHI HEAVY INDUSTRIES AIR-CONDITIONING EUROPE, LTD.
7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom

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