Engineering Data

Navigation Remote Controller (Wired Remote Controller)

BRC1E73
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## 1. Specifications

<table>
<thead>
<tr>
<th></th>
<th>New Remote Controller BRC1E73</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimension (H × W × D)</strong></td>
<td>4'3/4&quot; × 4'3/4&quot; × 3/4&quot;</td>
</tr>
<tr>
<td><strong>LCD</strong></td>
<td></td>
</tr>
<tr>
<td>Display size (H × W)</td>
<td>1'25/32&quot; × 2'13/16&quot;</td>
</tr>
<tr>
<td>Display method</td>
<td>Full dot method (dot 160 × 255)</td>
</tr>
<tr>
<td>Backlight</td>
<td>Yes (Background color: white)</td>
</tr>
<tr>
<td>Color</td>
<td>Fresh white</td>
</tr>
</tbody>
</table>
2. Dimensions

- Remote Controller Dimensions

- Installation Method

- Specifications of Cord

- Notes:
  1. Remote controller cord and staple are not attached. They are field supplied parts.
  2. If the hole size is too large or the location is not proper, the hole may come out from the remote controller.

Unit: in

Dimensions
3. Restrictions

1. **In the case of 2 remote control system.**

<table>
<thead>
<tr>
<th>Sub</th>
<th>BRC1E73</th>
<th>BRC1E72</th>
<th>Wireless BRC4*** BRC7***</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRC1E73</td>
<td>✓</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>BRC1E72</td>
<td>–</td>
<td>✓</td>
<td>–</td>
</tr>
<tr>
<td>Wireless BRC4*** BRC7***</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

✓: Connectable   – : Not connectable

- Due to the limited power supply capacity, there are some restrictions when controlling 2 remote controllers.
  - **<Common restriction for SkyAir and VRV>**
    - When controlling one indoor unit with 2 remote controllers, the remote controller operated first turns the backlight on.
  - **<Restriction for VRV only>**
    - Adaptor for wiring (KRP1C*) or power supply adaptor for indoor unit PCB (X18A or X35A) cannot be used for 2 remote controller system.

- When controlling 2 remote controllers, the following functions cannot be set with the sub remote controller.
  - Schedule
  - Auto Changeover
  - Setback
  - Dual Setpoint
  (For the details, refer to P.25.)

2. **In the case of Centralised remote controller connection.**

- When connecting centralised control equipment, the following functions can be re-enabled with a field setting.
  - Schedule
  - Auto Changeover
  - Setback
4. Operation Manual

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English 1
4.1 Safety Considerations

Safety Considerations

The original instructions are written in English. All other languages are translation of the original instructions.
Read these SAFETY CONSIDERATIONS carefully before operating the remote controller.
Train the customer to operate and maintain the remote controller.
Inform customers that they should store this Operations Manual with the Installation Manual for future reference.
Meanings of WARNING and CAUTION Symbols:

<table>
<thead>
<tr>
<th>WARNING</th>
<th>Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAUTION</td>
<td>Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.</td>
</tr>
<tr>
<td>NOTE</td>
<td>Indicates situations that may result in equipment or property-damage accidents only.</td>
</tr>
</tbody>
</table>

- The following pictograms are used in this manual.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🚫</td>
<td>Never do.</td>
</tr>
<tr>
<td>⚠️</td>
<td>Always follow the instructions given.</td>
</tr>
<tr>
<td>🌧️</td>
<td>Keep water and moisture away.</td>
</tr>
<tr>
<td>🙋‍♀️</td>
<td>Keep wet hands away.</td>
</tr>
</tbody>
</table>

⚠️ WARNING

- Do not modify or repair the remote controller.
  Consult your Daikin dealer for any modification or for repairs.

- Do not relocate or reinstall the remote controller by yourself.
  Improper installation may result in electric shocks or fire.
  Consult your Daikin dealer to relocate or for any reinstallation.

- Do not use flammable materials (e.g., hairspray or insecticide) near the remote controller.
  Do not clean the product with organic solvents such as paint thinner.
  The use of organic solvents may cause cracking, damaging the product, causing electric shocks, or fire.

- Consult the dealer if the remote controller was submerged under water due to a natural disaster, such as a flood or hurricane.
  Do not operate the remote controller at this time or a malfunction, electric shock, or fire can occur.
---Items to be Strictly Observed---

**CAUTION**

- Do not allow children to play with the remote controller to avoid causing damage to the product.
- Never disassemble the remote controller. Touching the interior parts may result in electric shocks or fire. Consult your Daikin dealer for internal inspections and adjustments.
- Do not touch the remote controller buttons with wet fingers. Touching the buttons with wet fingers can cause an electric shock.
- Do not wash the remote controller. Doing so may cause electric leakage and result in electric shocks or fire.
- Never let the remote controller get wet. Water can cause damage to the remote controller, and may cause an electric shock or fire.

**NOTE**

- Never press the button of the remote controller with a hard and pointed object. The remote controller may be damaged.
- Never pull or twist the electric wire of the remote controller. It may cause the unit to malfunction.
- Do not wipe the remote controller with benzine, thinner, chemical dustcloth, etc. The remote controller may get discolored or the coating peeled off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the remote controller clean. And wipe it with another dry cloth.
4.2 Button Locations and Descriptions

Functions other than basic operation items (i.e., On/Off, Operation Mode, Fan Speed, and Setpoint) are set from the menu screen.

**NOTE**
- Do not install the remote controller in places exposed to direct sunlight, the LCD will be damaged.
- Do not pull or twist the remote controller cord, the remote controller may be damaged.
- Do not use objects with sharp ends to press the buttons on the remote controller, damage may result.
1. Operation mode selector button
   - Press this button to select the operation mode of your preference. (See page 10.)
   *Available modes vary with the indoor unit model.

2. Fan speed control button
   - Press this button to select the fan speed of your preference. (See page 11.)
   *Available fan speeds vary with the indoor unit model.

3. Menu/OK button
   - Used to enter the main menu. (See page 20 for the menu items.)
   - Used to enter the selected item.

4. Up button ▲
   - Used to raise the setpoint.
   - The item above the current selection will be highlighted.
   (The highlighted items will be scrolled continuously when the button is continuously pressed.)
   - Used to change the selected item.

5. Down button ▼
   - Used to lower the setpoint.
   - The item below the current selection will be highlighted.
   (The highlighted items will be scrolled continuously when the button is continuously pressed.)
   - Used to change the selected item.

6. Right button ►
   - Used to highlight the next items on the right-hand side.
   - Each screen is scrolled in the right-hand direction.

7. Left button ◄
   - Used to highlight the next items on the left-hand side.
   - Each screen is scrolled in the left-hand direction.

8. On/Off button
   - Press this button and system will start.
   - Press this button again to stop the system.

9. Operation lamp
   - This lamp illuminates solid green during normal operation.
   - This lamp flashes if an error occurs.

10. Cancel button
    - Used to return to the previous screen.

11. LCD (with backlight)
    - The backlight will be illuminated for approximately 30 seconds by pressing any button.
    - If two remote controllers are used to control a single indoor unit, only the controller accessed first will have backlight functionality.
4.3 Names and Functions

Names and Functions

Liquid Crystal Display

- Three types of display mode (Standard, Detailed and Simple) are available.
- Standard display is set by default.
- Detailed and Simple displays can be selected in the main menu. (See page 40.)

**Standard display**

10. Changeover controlled by the master indoor unit
11. Setback
9. Under centralized control
8. (Scheduled)
7. (Key Lock)
3. Setpoint
4. Stand by for Defrost/Hot start
5. Message

1. Operation mode
2. Fan Speed
6. Ventilation

**Detailed display**

- The airflow direction, clock, and selectable item appear on Detailed display screen in addition to the items appearing on Standard display.

12. Airflow Direction
   (Displayed only when the indoor unit is turned on.)

13. Current Day/Time
   (12/24 hour time display)

14. Selectable Display Item

No Fan speed display
(with no fan speed control function)

No Airflow Direction display
(with no airflow direction settings)

No Clock display
(when the clock has not been set yet)

15. (Unable to schedule)
No Selectable Display Item
(with no selectable display item selected)
Simple display

1. Operation mode
2. Fan speed
3. Setpoint

Note for all display modes
- Depending on the field settings, while the indoor unit is stopped, OFF may be displayed instead of the operation mode and/or the setpoint may not be displayed.
Names and Functions

1. Operation mode
- Used to display the current operation mode: Cool, Heat, Vent, Fan, Dry or Auto.
- In Auto mode, the actual operation mode (Cool or Heat) will be also displayed.
- Operation mode cannot be changed when OFF is displayed. Operation mode can be changed after starting operation.

2. Fan Speed
- Used to display the fan speed that is set for the indoor unit.
- The fan speed will not be displayed if the connected model does not have fan speed control functionality.

3. Setpoint
- Used to display the setpoint for the indoor unit.
- Use the Celsius/Fahrenheit item in the main menu to select the temperature unit (Celsius or Fahrenheit).

4. Stand by for Defrost/Hot start
   "STANDBY" (See page 12.)
   If ventilation icon is displayed in this field:
   - Indicates that an energy recovery ventilator (ERV) is connected.
   For details, refer to the Operation Manual of the ERV.

5. Message
   The following messages may be displayed.
   "This function is not available"
   - Displayed for a few seconds when an Operation button is pressed and the indoor unit does not provide the corresponding function.
   - In a remote control group, the message will not appear if at least one of the indoor units provides the corresponding function.

   "Error: Push Menu button"
   "Warning: Push Menu button"
   - Displayed if an error or warning is detected (see page 50).

   "Time to clean filter"
   "Time to clean element"
   "Time to clean filter & element"
   - Displayed as a reminder when it is time to clean the filter and/or element (see page 48).

6. Ventilation
- Displayed when an energy recovery ventilator is connected.
- Ventilation Mode icon." ERV BYPASS "
  These icons indicate the current ventilation mode (ERV only) (AUTO, ERV, BYPASS).
- Air Purify ICON " PURIFY "
  This icon indicates that the air purifying unit (Optional) is in operation.

7. Key Lock (See page 19.)
- Displayed when the key lock is set.

8. Scheduled (See page 30.)
- Displayed if the Schedule or Off timer is enabled.

9. Under Centralized control " CENTRAL CONTROL "
- Displayed if the system is under the management of a multi-zone controller (Optional) and the operation of the system through the remote controller is limited.

10. Changeover controlled by the master indoor unit " MASTER CONTROLLED "
    (VRV only)
- Displayed when another indoor unit on the system has the authority to change the operation mode between cool and heat.
11. **Setback** "SETBACK" (See page 14.)

- The setback icon flashes when the unit is turned on by the setback control.

12. **Airflow Direction** "." "

- Displayed when the airflow direction and swing are set (see page 23).
- If the connected indoor unit model does not include oscillating louvers this item will not be displayed.

13. **Current Day/Time (12/24 hour time display)**

- Displayed if the clock is set (see page 42).
- If the clock is not set, “-- : --” will be displayed.
- 12 hour time format is displayed by default.
- Select 12/24 hour time display option in the main menu under “Clock & Calendar”.

14. **Selectable Display Item**

- Room temperature is selected by default.
- For other choices see page 41.

15. **Unable to schedule**

- Displayed when the clock needs to be set.
- The schedule function will not work unless the clock is set.
4.4 Basic Operation

Basic Operation

Cool/Heat/Auto/Fan Operation (SkyAir and VRV)

How to follow the operation manual

Operation procedure
- Explains the sequence of operation for the remote controller. Operate the buttons according to the procedure.

Operation button display
- Displays the location of buttons to be operated.

Operation screen display
- Describes screens that will be displayed on the remote controller in operation.

Preparation

- For mechanical protection purposes, apply power to the outdoor units at least six hours before starting the operation of the system.

Operation

1. Press Mode button several times until the desired mode Cool, Heat, Fan, or Auto mode is selected.

* Unavailable operation modes are not displayed.

Note
- Both heat and cool mode may not be selected if the unit is master controlled. See page 16 if MASTER CONTROLLED icon flashes.
2 On/Off

Press On/Off button. The Operation lamp will illuminate solid green and the system will start operating.

3

The setpoint will increase by 1°F (or 1°C) when ▲ button is pressed and decrease by 1°F (or 1°C) when ▼ button is pressed.

* Setpoint is not available in fan or dry mode.

4

To change the fan speed, press Fan Speed button and select the fan speed from:
- Low/High/Auto for two-speed
- Low/Medium/High/Auto for three-speed
- Low/Med Low/Medium/Med High/High/Auto for five-speed depending on the indoor unit model.

* Auto cannot be selected if the indoor unit does not have Auto Fan speed function.
* The system may change the fan speed automatically for equipment protection purposes.
* The system may turn off the fan when the room temperature is satisfied.
* It is normal for a delay to occur when changing the fan speed.
* If the Auto is selected for the fan speed, the fan speed varies automatically based on the difference between setpoint and room temperature.
Basic Operation

5

• Adjust Airflow Direction from the main menu
  (see page 23).

* If the connected indoor unit does not have oscillating louvers,
  this function will not be available.

6

• When On/Off button is pressed again,
  the system will stop operating and the
  Operation lamp will turn off.

* When the system is stopped while in the heating
  mode, the fan will continue to operate for
  approximately one minute to remove residual
  heat from the indoor unit.

Note
• To prevent condensation water damage or system failure, do not
  shut off the power supply to the indoor unit immediately after
  operation. Wait at least five minutes for the condensate pump to
  finish draining residual water from the indoor unit.

Characteristics of Heat Mode

The system automatically controls the following operating modes to
prevent the reduction of heating capacity and space comfort.

Defrost operation
• The system will automatically go into defrost operation to prevent frost
  accumulation at the outdoor unit and subsequent loss of heating
  capacity.
• The indoor unit fan will stop, and "STANDBY" will be displayed on the
  remote controller.
• The system will finish the Defrost operation and return to normal
  usually within six to eight minutes. It won’t last for more than ten
  minutes.

Hot start
• When the system starts heating operation, the indoor unit fan will
  operate with a delay in order to prevent a cold draft.
  (In that case, "STANDBY" will be displayed on the remote controller.)
Dry Mode

Preparation
- For equipment protection purposes, apply power to the outdoor units at least six hours before starting the operation of the system.
- The dry mode may not be selected if the remote controller is master controlled and the system is not already in the cooling mode of operation. (see page 18 for details)

Operation

1. **Press Mode button several times until the Dry mode is selected.**
   - *The dry mode may not be available depending on the type of indoor unit.*

2. **Press On/Off button.**
   - The Operation lamp will illuminate solid green and the system will start operating.
   - *In Dry mode, the system maintains automatic temperature and fan speed control. Therefore, temperature setpoint or fan speed settings are not available while the indoor unit is in the Dry mode.*

3. **Adjust Airflow Direction from the main menu**
   - (see page 23).
   - *If the connected indoor unit does not have oscillating louvers, this function will not be available.*
Basic Operation

4

- When On/Off button is pressed again, the system will stop operating and the Operation lamp will turn off.

Note
- To prevent condensation water damage or system failure, do not shut off the power supply to the indoor unit immediately after operation. Wait at least five minutes for the condensate pump to finish draining residual water from the indoor unit.

Characteristic of Dry mode

The Dry mode dehumidifies the space at reduced cooling capacity to prevent the room temperature from dropping to an uncomfortable level.

Setback

The Setback function can be used to maintain the space temperature in an assigned range for an unoccupied period.

Note
- When enabled, the Setback mode becomes active when the indoor unit is turned off by either the user, a schedule event or an off timer.
- This function is not available by default. It can be enabled by the system installer.
**Operation**

1. The setback icon flashes when the unit is turned on by the setback control.

![Image of setback icon](image)

**Ventilation Mode** When the Indoor Unit is Interlocked with Energy Recovery Ventilator

**Preparation**

- For equipment protection purposes, apply power to the outdoor units at least six hours before starting the operation of the system.

**Operation**

1. When operating the energy recovery ventilator (ERV) between seasons without the indoor unit, set the control to ventilation mode.

![Image of ventilation mode](image)

2. Changes to the ventilation mode are made from the main menu.

   *Ventilation Mode: Auto, ERV, and Bypass*

3. Changes to the ventilation rate are made from the main menu.

   *Ventilation Rate: Low or High*
Basic Operation

4. Press On/Off button.
   The Operation lamp will illuminate solid green and the system will start operating.

5. When On/Off button is pressed again, the system will stop operating and the Operation lamp will turn off.

Setting the Cool / Heat Changeover Master

(VRV only)

Setting Changes: See page 18 for an explanation of the cool/heat changeover master indoor unit.

1. Press Mode button on the remote controller of the changeover master indoor unit for at least four seconds while the backlight is illuminated.
   - The “MASTER CONTROLLED” icon on each remote controller for the indoor units connected to the same outdoor unit or Branch Selector unit will start flashing.
   - Vent mode setting changes are possible regardless of the cool/heat changeover master indoor unit.
   - If the outdoor unit is configured as cool/heat changeover master, all remote controllers serving the associated indoor units will display its “MASTER CONTROLLED” icon.

   - Set the cool/heat changeover master indoor unit as outlined below.
The icon “” will flash on all remote controllers when the power is turned ON for the first time.

2  • Press Mode button on the remote controller of the indoor unit which is to serve as the cool/heat changeover master.

The remote controller for the changeover master indoor unit is established and the icon is no longer displayed.

Other remote controllers in the system (indoor units served by the same outdoor unit or indoor units served by the same branch selector unit) will now display the icon.

3  • Press Mode button on the remote controller of the indoor unit designated as the cool/heat changeover master (the remote controller not displaying the icon) repeatedly until the desired mode is selected. The display will change to Fan, Dry, Auto, Cool, Heat each time the button is pressed.

• Simultaneously, the other indoor units on the system will follow suit and change modes to reflect the new mode selected at the changeover master remote controller.
Basic Operation

Cool / Heat Mode Selection Availability

- “Cool”, “Heat”, and “Auto” are all available for selection on the cool/heat changeover master indoor unit. The following table indicates the available operating modes of the other indoor units on the system based upon the selected mode of the master indoor unit.

<table>
<thead>
<tr>
<th>When the master indoor unit is set to</th>
<th>The other indoor units in the system can be set to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cool mode</td>
<td>✓</td>
</tr>
<tr>
<td>Dry mode</td>
<td>✓</td>
</tr>
<tr>
<td>Heat mode</td>
<td>✓</td>
</tr>
<tr>
<td>Fan mode</td>
<td>✓</td>
</tr>
<tr>
<td>Auto mode (Cooling operation)</td>
<td>✓</td>
</tr>
<tr>
<td>Auto mode (Heating operation)</td>
<td>✓</td>
</tr>
</tbody>
</table>

Precautions for Selecting the Cool / Heat Changeover Master Indoor Unit

- The cool/heat changeover master must be set for a single indoor unit in the following applications

(2-Pipe Heat Pump System)

- A number of indoor units are connected to a single outdoor unit.
- Set any one of the indoor units as the cool/heat changeover master.

(3-Pipe Heat Recovery System)

- Branch Selector unit: The Branch Selector unit is used for cooling or heat mode selection.
- A number of indoor units are connected to a single Branch Selector unit.
- Set any one of the indoor units as the cool/heat changeover master.
Key Lock

**Operation** Confirm and cancel Key Lock settings in the basic display screen.

1. Press Menu/OK button for at least four seconds while the backlight is illuminated.

2. "•“ is displayed.
   - All buttons are disabled when the keys are locked.
   - To cancel the key lock mode, continue pressing Menu/OK button for at least four seconds while the backlight is illuminated.
## 4.5 Quick Reference

### Quick Reference

The main menu has the following items.

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
<th>Reference page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Airflow Direction</strong></td>
<td>Used to configure airflow direction settings.</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>• The airflow direction louver is automatically operated up and down (left and right).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• The fixed airflow directions are configurable for five positions.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>* This function is not available on all indoor unit models.</td>
<td></td>
</tr>
<tr>
<td><strong>Individual Airflow Direction</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(depends on indoor unit model)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Louver Setting</strong></td>
<td>Set the airflow direction individually for each of the 4 louvers.</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>• Maximum 16 units (unit 0 till 15).</td>
<td></td>
</tr>
<tr>
<td><strong>Louver Setting List</strong></td>
<td>Setting table for louver.</td>
<td>26</td>
</tr>
<tr>
<td><strong>Reset All Louvers Position</strong></td>
<td>Reset all louvers to factory default setting.</td>
<td>27</td>
</tr>
<tr>
<td><strong>Ventilation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Ventilation Rate</strong></td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Used to set “Low” or “High”</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Ventilation Mode</strong></td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>Used to set Auto, ERV, or Bypass.</td>
<td></td>
</tr>
<tr>
<td><strong>Schedule</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Daily Patterns</strong></td>
<td></td>
<td>31</td>
</tr>
<tr>
<td><strong>Settings</strong></td>
<td>• Day settings are selected from four patterns, i.e., “7Days”, “Weekday/Sat/Sun”, “Weekday/Weekend”, and “Everyday”.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Set the startup time and operation stop time.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ON:</strong> Startup time, cooling and heating temperature setpoints can be configured.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>OFF:</strong> Operation stop time, cooling and heating setback temperature setpoints can be configured.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(---: Indicates that the setback function is disabled for this time period.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(<em>:</em> Indicates that the temperature setpoint and setback temperature setpoint for this time period is not specified. The last active setpoint will be utilized.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Up to five actions can be set for each day.</td>
<td></td>
</tr>
<tr>
<td><strong>Off Timer</strong></td>
<td></td>
<td>32</td>
</tr>
<tr>
<td></td>
<td><strong>Used to set the run-time for the indoor unit using this controller.</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Possible to set in 10 minute increments from 30 to 180 minutes.</td>
<td></td>
</tr>
<tr>
<td><strong>Celsius / Fahrenheit</strong></td>
<td></td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>• Used to select whether temperature values will be displayed in Celsius or Fahrenheit.</td>
<td></td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
<td>Reference page</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Filter Auto Clean</td>
<td>Set the time when the filter needs to be automatically cleaned. For the detailed operation refer to the Operation Manual of the self cleaning decoration panel.</td>
<td>—</td>
</tr>
<tr>
<td>Maintenance Information</td>
<td>Used to display the maintenance information.</td>
<td>37</td>
</tr>
<tr>
<td>Configuration</td>
<td>Draft Prevention (Only available with Occ. sensor installed indoor unit model) The draft prevention function can be enabled or disabled. When enabled, the Occ. sensor will adjust the louver’s position to prevent air blowing directly on occupant.</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td><strong>Contrast Adjustment</strong></td>
<td>39</td>
</tr>
<tr>
<td></td>
<td><strong>Display</strong></td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>Used to make LCD contrast adjustment.</td>
<td>—</td>
</tr>
<tr>
<td>Current Settings</td>
<td>• Used to display a list of current settings for available items.</td>
<td>42</td>
</tr>
<tr>
<td>Clock &amp; Calendar</td>
<td><strong>Date &amp; Time</strong></td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Used to configure date and time settings and corrections.</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>• The default time display is 12H.</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>• The clock will maintain accuracy to within ±30 seconds per month.</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>• If there is a power failure for a period not exceeding 48 hours, the clock will continue working with the built-in backup power supply.</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td><strong>12H/24H Clock</strong></td>
<td>45</td>
</tr>
<tr>
<td>Language</td>
<td>The display language can be selected between English, Francais, or Espanol.</td>
<td>48</td>
</tr>
<tr>
<td>Note: Available setting items vary with the indoor unit model.</td>
<td>—</td>
<td></td>
</tr>
</tbody>
</table>

**Sub Remote Controller Menu Items**

If two remote controllers are connected to a single indoor unit, the following menu items are not set in the sub remote controller. In this case, the following items should be configured in the main remote controller.

- Individual Airflow Direction
- Schedule
- Off timer
- Setback
- Draft Prevention
4.6 Menu Options

Menu Options

Navigating the Main Menu Screen

Display Method for Main Menu

1. Press Menu/OK button.

2. The main menu screen is displayed.

3. Selecting items from the main menu.
   1. Press ▼▲ buttons to select the desired item to be set.
   2. Press Menu/OK button to display the details for the selected item.

4. To go back to the basic screen from the main menu, press Cancel button.

Note

- If a button is not pressed for 5 minutes during configuration, the controller will automatically revert to the basic screen.
Airflow Direction

Configuring Airflow direction

Operation

1. Display the main menu screen. (See page 22.)
   - Press ▼▲ buttons to select Airflow Direction and press Menu/OK button.

2. (1) Adjusting method when there is single airflow direction.
   - Select the desired airflow direction from Position 0, Position 1, Position 2, Position 3, Position 4, Swing or Auto using ▼▲ buttons.
   - Press Menu/OK button to confirm the settings and to return to the basic screen.

Note
- The airflow directions appear on the screen as follows:

Notice
- These operation and screen are example of single airflow direction type indoor unit. It is different from Single flow cassette model.

English 23
Menu Options

3 (2) Adjusting method for selecting dual airflow directions.

- Press buttons, to select front/back or left/right direction setting.

Notice
These operation and screen are example of dual airflow directions type indoor unit (Single flow cassette model).

4 Select the desired airflow direction from Position 0, Position 1, Position 2, Position 3, Position 4, Swing or Auto using buttons.

- Selecting Swing will cause the airflow direction louver to swing position 0 to 4.
- Setting Auto is not available when left/right direction is selected.
- Press Menu/OK button to confirm the settings and return to the basic screen.

5 If dual airflow directions are set, then the dual airflow direction icons are displayed in the basic screen.
Individual Airflow Direction

Louver Setting

Operation

1. Display the main menu screen.
   (See page 22.)
   - Select Individual Airflow Direction and press Menu/OK button.

2. Select Louver Setting and press Menu/OK button.

3. Use ▼▲ buttons to select the unit and outlet mark.
   - Maximum 16 units for each group (unit 0 till 15) can be selected.

Note
In case of four outlets (cassette type), you can control each one of the four louvers individually (the following marks are beside each air outlet: □, □□, □□□, □□□□).
Menu Options

4.

- Press button to select the airflow direction.
- Use ▼▲ buttons to change the airflow direction to the following:
  - No Ind Set, Position 0, Position 1, Position 2, Position 3, Position 4, Swing or Blocked
  - No Ind Set: No Individual Louver Setting.
  - Blocked: Individual airflow is blocked.

- Press Menu/OK button to confirm the settings and to return to the basic screen.

5.

If individual airflow direction is set, then the individual airflow direction icon is displayed in the basic screen.

Louver Setting List

Operation

1.

- Display the individual airflow direction screen. (See page 25.)
- Press ▼▲ buttons to select Louver Setting List and press Menu/OK button.

2.

- A table shows the current settings.
- Press ▼▲ buttons to go to the next unit.
- Press Cancel button to return to the previous menu.
Reset All Louvers Position

Operation

1. Display the individual airflow direction screen.
   (See page 25.)
   - Press ▼▲ buttons to select Reset All Louvers Position and press Menu/OK button.

2. Press ◄► buttons to select Yes.
   - Press Menu/OK button to confirm the reset and to return to the basic screen.

Operational Details and Functions

There are two types of airflow direction settings.

Airflow direction swing
The louvers automatically oscillate up and down.

Airflow direction
You can select from one of five fixed directions. (This has no relation to the angle of the louvers.)

Movement of airflow direction louver
Under the operating conditions shown next, airflow direction is controlled automatically. Actual operation may be different than what is displayed on the remote controller.
Menu Options

<table>
<thead>
<tr>
<th>Operating condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Room temperature is higher than the remote controller’s setpoint (in heating operation).</td>
</tr>
<tr>
<td>• When defrosting (in heating operation). (The airflow discharges horizontally to avoid creating a draft for the room occupants.)</td>
</tr>
<tr>
<td>• Under continuous operation with the airflow discharging horizontally.</td>
</tr>
</tbody>
</table>

Ventilation

■ Ventilation screen display properties

**Operation**

1. **Display the main menu screen.**
   (See page 22.)
   - Press ▼▲ buttons to select Ventilation on the main menu screen.
   (For models with no ventilation function, Ventilation will not be displayed on the main menu screen.)
   - Press Menu/OK button to display the ventilation screen.

■ Changing the ventilation rate

**Operation**

1. **Navigate to the ventilation screen (see above).**
   - Press ▼▲ buttons to select Ventilation Rate on the ventilation screen.
   - Press Menu/OK button to display the ventilation rate screen.
### Changing the ventilation mode

**Operation**

1. Display the ventilation screen.
   (See page 28.)
   - Press ▼▲ buttons to select **Ventilation Mode** on the ventilation screen.
   - Press Menu/OK button to display the ventilation mode screen.

2. Pressing ▼▲ buttons cycles through the settings in the order shown below.
   - *Only modes that can be set are displayed.*
Menu Options

3

Selecting and confirming the desired ventilation mode will take you back to the basic screen. (Pressing Cancel button takes you back to the previous screen without changing the ventilation mode.)

Ventilation Mode

Auto mode
Using information from the indoor unit (cool, heat, fan, and setpoint) and the energy recovery ventilator unit (indoor and outdoor temperatures), the ventilation mode is automatically changed between ERV and Bypass.

ERV mode
Outside air is passed through the ERV core and is supplied to the conditioned space.

Bypass mode
Outside air is supplied to the conditioned space without passing through the ERV core.

Schedule

Setting the schedule

Operation
The schedule will disappear when a multizone controller is connected, but can be re-enabled by the system installer.

1
Display the main menu screen. (See page 22.)
Press ▼▲ buttons to select Schedule. Press Menu/OK button to display the schedule screen.
Before setting the schedule, the clock must be set.
If the clock has not been set, a screen like the one on the left will appear.
Press \( \downarrow \) buttons to select Yes and press Menu/OK button.
The date & time screen will appear.
Set the current year, month, day, and time. (See clock settings on page 42.)

Press \( \uparrow \downarrow \) buttons to select the desired function on the schedule screen and press Menu/OK button.

### Daily Patterns

#### Operation

1. The schedule screen will appear.
   - Press \( \uparrow \downarrow \) buttons to select Daily Patterns on the schedule screen.
   - The daily patterns screen will appear when Menu/OK button is pressed.

2. Press \( \uparrow \downarrow \) buttons to select 7 Days, Weekday/Sat/Sun, Weekday/Weekend, or Everyday on the daily patterns screen.
   - The confirmation screen will appear when Menu/OK button is pressed.
Menu Options

3

- Press \( \uparrow \downarrow \) buttons to select Yes on the confirmation screen. Pressing Menu/OK button enters the daily patterns in the schedule and takes you back to the main menu screen.

Settings

Operation

1

- The schedule screen will appear.
- Press \( \uparrow \downarrow \) buttons to select Settings on the schedule screen.
- The settings screen will appear when Menu/OK button is pressed.

2

- Press \( \uparrow \downarrow \) buttons to select the day to be set.
  * It cannot be selected in the case of EVDY.

3

- Input the time for the selected day.
- Press \( \uparrow \downarrow \) buttons to move the highlighted item and press \( \uparrow \downarrow \) buttons to input the desired operation start time.
- Each press of \( \uparrow \downarrow \) buttons moves the numbers by 1 hour or 1 minute.
4

- Press  buttons to move the highlighted item and press  buttons to configure ON/OFF/-- settings.
- ON, or OFF changes in sequence when  buttons are pressed.

ON: The temperature setpoints can be configured.
OFF: The setback temperature setpoints can be configured.
--: The temperature setpoints and setback temperature setpoints become disabled.

The cooling and heating temperature setpoints for both ON and OFF (Setback) are configured.

_: Indicates that the temperature setpoint and setback temperature setpoint for this time period is not specified. The last active setpoint will be utilized.
--: Indicates that the setback function is disabled for this time period.

5

A maximum of five actions per day can be set.

- Press  button when settings for each day are completed. The confirmation screen will appear.

To copy the settings for the previous day, press  button so that the existing settings will be copied.

Example: The contents for Monday are copied by pressing  button after selecting Tuesday.
Menu Options

6 Press buttons to select Yes on the confirmation screen. Pressing Menu/OK button confirms the settings for each day and takes you back to the basic screen.

Enabling or disabling the schedule

Operation

1 Display the schedule screen. Press buttons to select Enable/Disable on the schedule screen. Press Menu/OK button to display the enable/disable screen.

2 Press buttons to select Enable or Disable on the enable/disable screen. Press Menu/OK button after selecting the item. The confirmation screen is displayed.

3 Press buttons to select Yes on the confirmation screen. Pressing Menu/OK button confirms the enable/disable setting for the schedule and takes you back to the basic screen.
**Off Timer**

- **Configuring and Confirming the Off Timer settings**

  **Operation**

  1. Display the main menu screen.
     - (See page 22.)
     - Press ▼▼ buttons to select the **Off Timer** on the main menu screen.
     - Press Menu/OK button to display the off timer screen.

  2. Press ▼▼ buttons to select **Settings** on the off timer screen.
     - Press Menu/OK button to display the configuration screen.

  3. Use ▼▼ buttons to set the time from operation start until the unit automatically stops.
     - Selections can be made in increments of 10 minutes from 30 to 180 minutes.
     - Holding down the button causes the number to change continuously.
     - Select the desired time and press Menu/OK button.
     - The confirmation screen will appear.

  4. Press ◀▶ button to select **Yes** on the confirmation screen.
     - Pressing Menu/OK button confirms the off timer and takes you back to the basic screen.
Menu Options

Enabling or disabling the off timer

Operation

1. Navigate to the off timer screen. (See page 35.)
   - Press ▼▲ buttons to select Enable/Disable on the off timer screen.
   - Press Menu/OK button to display the enable/disable screen.

2. Press ▼▲ buttons to select Enable or Disable on the enable/disable screen.
   - Press Menu/OK button after selecting the item. Then the confirmation screen is displayed.

3. Press ◀▶ button to select Yes on the confirmation screen.
   - Pressing Menu/OK button confirms the enable/disable for the off timer and takes you back to the basic screen.
Maintenance Information

Displaying the service contact and model information

Operation

1. Display the main menu screen.
   (See page 22.)
   • Press ▼△ buttons to select Maintenance Information on the main menu screen and press Menu/OK button.

2. The phone number for the contact is displayed at the top of the screen.
   (If it has not yet been entered, it will not be displayed.)
   • The model information of the indoor and outdoor units for your product will be displayed on the bottom of the screen.
     (For some models the product code may be displayed.)
     
     * The model name will not be displayed if the indoor unit PCB has been replaced.

     * The error code history may also be displayed.
     If the Operation lamp is not flashing, the unit is working properly.
     The error code history is no longer displayed if you press On/Off button for more than 4 seconds.
Menu Options

Configuration

Draft Prevention

Operation

1. Display the main menu screen. (See page 22.)
   • Press ▼ buttons to select Configuration and press Menu/OK button.

2. Press ▼ buttons to select Draft Prevention and press Menu/OK button.

3. Press ▼ buttons to select Enable or Disable.
   • The confirmation screen will appear when Menu/OK button is pressed.

4. Press ◀ buttons to select Yes.
   • Press Menu/OK button to confirm the settings and to return to the basic screen.
**Contrast Adjustment**

**Operation**

1. Navigate to the configuration screen.
   (See page 38.)
   - Press ▲▼ buttons to select **Contrast Adjustment** on the configuration screen.
     Press Menu/OK button to display the contrast adjustment screen.

2. On the contrast adjustment screen press ▼▲ buttons until you reach the desired contrast.
   After setting, press Menu/OK button and return to the basic screen.
Menu Options

Display

Display Mode

Operation

1. Navigate to the configuration screen. (See page 38.)
   - Press ▼▲ buttons to select Display on the configuration screen.
   - Press Menu/OK button to display the display screen.

2. Press ▼▲ buttons to select Display Mode on the display screen.
   - Press Menu/OK button to display the display mode screen.

3. Press ▼▲ buttons to select Standard, Detailed, or Simple on the display screen.
   - Press Menu/OK button to confirm the settings and return to the basic screen.
   - *Refer to Display Item to change the selectable display item for Detailed and Simple display modes. (See page 41.)
Display Item

1. Navigate to the display screen.
   (See page 40.)
   • Press ▼▲ buttons to select Display Item on the display screen.
   Press Menu/OK button to display the display item screen.

2. Pressing ▼▲ buttons displays the following.
   Room Temp System
   Outside Air Temp None

   * Some models may not display these items even if they are selected.
   • Be sure to read the following notes regarding display of room temperature and outside air temperature.

   Room Temp
   ........ The temperature at the remote controller.
   The temperature that is detected may be affected by the location of the remote controller.

   Outside Air Temp
   ........ The temperature at the outdoor unit.
   The temperature that is detected may be affected by factors such as the location of the unit (for example, if it is in direct sunlight) and unit operation during defrosting.

   • After setting, press Menu/OK button to confirm settings and return to the basic screen.
Menu Options

Current Settings

Confirming the current settings

Operation

1. Display the main menu screen. (See page 22.)
   - Press ▼▲ buttons to select Current Settings on the main menu screen and press Menu/OK button.

2. A list showing the current setting status will appear.
   - Press ◀▶ buttons to go to the next item.
   - Pressing Cancel button takes you back to the main menu screen.

   Display Items
   - Airflow Direction
   - Ventilation Rate
   - Ventilation Mode
   - Schedule
   - Off Timer
   - Display Mode
   - Off Timer
   - Display Mode
   - Display Item
   - Filter Auto Clean

* Display items may differ depending on the model. Only the items that can be set are displayed.

Clock & Calendar

Date & Time

Operation

1. Display the main menu screen. (See page 22.)
   - Press ▼▲ buttons to select Clock & Calendar on the main menu screen.
   - Press Menu/OK button to display the clock & calendar screen.
2. Press ▼ buttons to select **Date & Time** on the clock & calendar screen. Press **Menu/OK** button to display the date & time screen.

3. Select **Year** with ▼ buttons. Change the year with ▲ buttons. Holding down the button causes the number to change continuously.

4. Select **Month** with ▼ buttons. Change the month with ▲ buttons. Holding down the button causes the number to change continuously.

5. Select **Day** with ▼ buttons. Change the day with ▲ buttons. Holding down the button causes the number to change continuously. Days of the week change automatically.

6. Select **Hour** with ▼ buttons. Change the hour with ▲ buttons. Holding down the button causes the number to change continuously.
### Menu Options

#### 7 Setting Date & Time

- **Select Minute** with ↑↓ buttons.
- Change the minute with ▼▲ buttons.
- Holding down the button causes the number to change continuously.
- **Press Menu/OK button.**
- The confirmation screen will appear.

**Note:**

The date can be set between January 1, 2015 and December 31, 2099.

#### 8 Setting Date & Time

- **Press ▼▲ button** to select **Yes** on the confirmation screen.
- **Press Menu/OK button** to confirm the clock and return to the basic screen.

*When setting the schedule, the display returns to the settings screen.*
**12H/24H CLOCK**

**Operation**

1. Display the clock & calendar screen. (See page 42.)
   - Press ▼▲ buttons to select **12H/24H Clock** on the clock & calendar screen.
   - The 12H/24H clock screen will appear when **Menu/OK** button is pressed.

2. By default, the time display is set to the 12H format.
   - Press ▼▲ buttons to select **12H** and **24H** on the 12H/24H clock screen.
   - The confirmation screen will appear when **Menu/OK** button is pressed.

3. Press ◀▶ buttons to select **Yes** on the confirmation screen.
   - Pressing **Menu/OK** button confirms the 12H or 24H and takes you back to the basic screen.

**Daylight Saving Time**

**How to display Daylight Saving Time**

**Operation**

1. Display the main menu screen. (See page 22.)
   - Press ▼▲ buttons to select **Daylight Saving Time** on the main menu screen. Press **Menu/OK** button to display the daylight saving time screen.
Menu Options

Enabling or disabling Daylight Saving Time

Operation

1. Display the daylight saving time screen. (See page 45.)
   - Press ▼▲ buttons to select Enable/Disable on the daylight saving time screen.
   - Press Menu/OK button to display the enable/disable screen.

2. Press ▼▲ buttons to select Enable or Disable on the enable/disable screen.
   - Press Menu/OK button to display the setting confirmation screen.

3. Press ◀▶ buttons to select Yes on the setting confirmation screen.
   - Pressing Menu/OK button confirms the daylight saving time enable/disable setting and takes you back to the basic screen.

Setting the date

Operation

1. Display the daylight saving time screen. (See page 45.)
   - Press ▼▲ buttons to select DST Dates on the daylight saving time screen.
   - Press Menu/OK button to display the duration setting screen.
Setting Daylight Saving Time

2

- Press ▼▲ buttons to select the start month and the end month.
- Press ◀▶ buttons to select a week.
- Press ▼▲ buttons to select the start week and the end week.
- After setting the Start and End dates, press Menu/OK button to display the setting confirmation screen.

3

- Press ◀▶ buttons to select Yes on the setting confirmation screen.

Pressing Menu/OK button confirms the Daylight Saving Time settings and takes you back to the basic screen.

When Daylight Saving Time is enabled

When the time in the remote controller reaches 2:00 a.m. on the specified start date, the clock is automatically set forward by one hour. When the time in the remote controller reaches 2:00 a.m. on the end date, the clock is automatically set back by one hour.
4.7 Maintenance

Menu Options

Language

Selectable Languages

Operation

1. Display the main menu screen. (See page 22.)
2. Press ▼ ▲ buttons to select Language on the main menu screen and press Menu/OK button.

2.

Press ▼ ▲ buttons to select the preferred language on the language screen.
English/Français/Español are available.
Press Menu/OK button to confirm the settings and return to the basic screen.

Maintenance

Reset Filter Indicator

Operation

1.

When it is time to clean or replace the filter, one of the following messages will be displayed on the bottom of the basic screen.
Time to clean filter
Time to clean filter & element
Time to clean element
* This is not displayed when Simple display is set.

• Wash, clean, or replace the filter or element.
  For details, refer to the operation manual supplied with the indoor unit.
2

- Reset the filter indicator when the filter or element is cleaned or replaced.
- Press Menu/OK button.

The main menu screen will be displayed.

3

- Press ▼△ buttons to select Reset Filter Indicator on the main menu screen and press Menu/OK button.

- The displayed message “Time to clean filter” is no longer displayed on the basic screen when the filter sign is reset.

Maintaining the Unit and LCD Display

- Wipe the LCD and surface of the remote controller with a dry cloth when they become dirty.
- If the dirt on the surface cannot be removed, soak the cloth in neutral detergent diluted with water, squeeze the cloth tightly, and clean the surface. Wipe the surface with a dry cloth.

Note

- Do not use any paint thinner, organic solvent, or strong acid.
4.8 Reference Information

Reference Information

Error Code Display

- Contact your Daikin dealer in the following cases

1. **Operation**
   - If an error occurs, either one of the following items will flash in the basic screen.
   - **Error: Push Menu button**
     * The Operation lamp will flash.
     * For Simple display, the message is not displayed, and only the Operation lamp flashes.
   - **Warning: Push Menu button**
     * The Operation lamp will not flash.
     * For Simple display, the message is not displayed, and the Operation lamp does not flash, either.
   - Press **Menu/OK** button.

2. The error code will flash and the service contact and model name or code may be displayed.
   - Notify your Daikin dealer of the Error code and model name or code.
After-sale Service

⚠️ Warning

- Do not relocate or reinstall the remote controller by yourself. Improper installation may result in electric shocks or fire. Consult your Daikin dealer.

■ Advise your Daikin Dealer of the following items

- Model name
- Date of installation
- Failure conditions: As precise as possible.
- Your address, name, and telephone number

■ Repairs after Warranty Period

Consult your Daikin dealer.

■ Inquiry about After-sale Service

Contact your Daikin dealer.
5. Installation Manual

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10. Confirming Registered Details ...... 20
11. Clock & Calendar ............................. 20
12. Language .......................................... 21
5.1 Safety Considerations

1. Safety Considerations
The original instructions are written in English. All other languages are translations of the original instructions.
All phases of the field-installation, including, but not limited to, electrical, piping, safety, etc. must be in accordance with manufacturer’s instructions and must comply with national, state, provincial and local codes.
Read these SAFETY CONSIDERATIONS carefully before installing the remote controller.
After completing the installation, ensure that the remote controller operates properly during the startup operation.
Train the customer to operate and maintain the remote controller. Inform customers that they should store this Installation Manual with the Operation Manual for future reference.
Always use a licensed installer or contractor to install this product. Improper installation can result in electrical shock, fire, or explosion.
Meanings of WARNING, CAUTION, and NOTE Symbols.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>![WARNING]</td>
<td>Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.</td>
</tr>
<tr>
<td>![CAUTION]</td>
<td>Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.</td>
</tr>
<tr>
<td>![NOTE]</td>
<td>Indicates situations that may result in equipment or property-damage accidents only.</td>
</tr>
</tbody>
</table>

**WARNING**
Only qualified personnel must carry out the installation work.
Consult your Daikin dealer regarding relocation and reinstallation of the remote controller.
Improper installation work may result in electric shocks or fire.
Electrical work must be performed in accordance with relevant local and national regulations and with instructions in this installation manual.
Improper installation may cause electrical shocks or fire.
Use only specified accessories and parts for installation work.
Failure to use specified parts may result in electric shocks, fire, or the unit falling.
Do not disassemble, reconstruct, or repair.
Electric shock or fire may occur.
Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires.
Improper connections or installation may result in fire.

Before touching electrical parts, confirm the power-off to the unit.
⚠️ CAUTION

Keep water out of the remote controller.
To avoid electric shock due to entry of water or insects, fill the wiring through-hole with putty.
Do not wash the remote controller with water as it may result in electrical shocks or fire.

Do not touch the remote controller buttons with wet fingers.
Touching the buttons with wet fingers can cause an electric shock.

Do not install the remote controller in the following locations:
(a) Where a mineral oil mist or oil spray or vapor is produced, for example, in a kitchen.
   Plastic parts may deteriorate.
(b) Where corrosive gas, such as sulfuric acid gas, is produced.
(c) Near machinery emitting electromagnetic waves.
   Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.
(d) Where flammable gas may leak, where there is carbon fiber or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled.
   Operating the unit in such conditions can cause a fire.
(e) High temperature area or direct flame.
   Overheating and/or fire can occur.
(f) Moist area, where there is exposure to water. If water enters the inside of the remote controller,
   it may cause electric shock and electrical components may fail.

⚠️ NOTE

Install the control wires for the indoor and the remote controller at least 3.5 feet (1 meter) away from televisions or radios to prevent image interference or noise. Depending on the radio waves, a distance of 3.5 feet (1 meter) may not be sufficient to eliminate the noise.

When remote controller’s temperature sensor is used, select the installation location as per the following:
- A place where average temperature in the room can be detected.
- A place where it is not exposed to direct sunlight.
- A place where it is far away from any heat source.
- A place where it is not affected directly by outside air.
5.2 Accessories
5.3 Remote Controller Installation Procedure

2. Accessories
The following accessories are included.

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drywall screw</td>
<td>2 pcs.</td>
</tr>
<tr>
<td>Drywall anchor</td>
<td>2 pcs.</td>
</tr>
<tr>
<td>Wire tie</td>
<td>1 pc.</td>
</tr>
<tr>
<td>Operation manual</td>
<td>1 pc.</td>
</tr>
<tr>
<td>Installation manual</td>
<td>1 pc.</td>
</tr>
<tr>
<td>Wiring retainer</td>
<td>1 pc.</td>
</tr>
</tbody>
</table>

3. Remote Controller Installation Procedure

3-1 Determine where to install the remote controller.
Make sure to follow the Safety Considerations when determining the location.

3-2 If the control wire for the remote controller is to be routed from the rear, consider the location of the access hole in the lower case for making a hole in the wall.

![External view of the remote controller]

Access hole
\( \phi 5/16 \) to \( 3/8 \) (8 to 10)

NOTE
If the hole size is too large or not in the proper location, it may be seen after the remote controller is installed.

3-3 Remove upper case.
Insert a screwdriver in the recess of lower case to remove the upper case (2 points).

Remote controller printed-circuit board is installed on the upper case. Be careful not to damage the printed-circuit board with the screwdriver.

Be careful not to let dust or moisture touch the printed-circuit board.
3-4 Determine the location where the wiring will enter the remote controller (back, left side, top left, top center).

3-4-1 Back outlet

3-4-2 Left outlet

Cut off resin area (notched area).

Cut the plastic at the notched area and remove any remaining burrs.

3-4-3 Top left outlet

3-4-4 Top center outlet

Cut the plastic at the notched area and remove any remaining burrs.

Cut the plastic at the notched area and remove any remaining burrs.

3-5 Install wiring.

⚠️ NOTE

1. Switch box and control wiring are filed supplied.
2. Do not touch the remote controller printed-circuit board.

Wiring Specifications

<table>
<thead>
<tr>
<th>Wiring Type</th>
<th>Non-shielded, 2-conductor, stranded copper wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Size</td>
<td>AWG-18</td>
</tr>
<tr>
<td>Wiring Length</td>
<td>Maximum 1640 feet (500 m)</td>
</tr>
</tbody>
</table>
Prepare the wiring for connection to the remote controller following these instructions:

- Remove the wire jacket and insulation
- Cutting guideline: Approx. 3/8 inch (10 mm)
- To simplify the wiring, maintain a 3/8 inch (10 mm) difference between the length of the two conductors.

Length of jacket to be removed:
- Approx. 6 inch (150 mm) for top left outlet
- Approx. 8 inch (200 mm) for top center outlet

Connect the terminals (P/P1, N/P2) of the remote controller to the terminals (P1, P2) of the indoor unit. (P1 and P2 are not polarity sensitive.)

### 3-5-1 Back outlet

- Connect the terminals (P/P1, N/P2) of the remote controller to the terminals (P1, P2) of the indoor unit. (P1 and P2 are not polarity sensitive.)

- Secure the wire at the attachment point by using furnished wire tie.

* <Wire attachment guideline>
3-5-2 Left outlet

3-5-3 Top left outlet

As shown to the left, install the furnished wiring retainer to prevent the wires from being pinched during installation.

3-5-4 Top center outlet
To prevent electrical noise and possible communication errors, avoid installing the remote controller wiring parallel to or in the vicinity of line voltage circuits.

3-6 Installation procedure for the lower case.
When wiring the remote controller through the top center or rear access points, attachment of the wire to the lower case is required before it is wall mounted. Closely follow the wiring procedures.

3-6-1 Wall installation
Secure by using furnished drywall anchors and screws (2 pcs.).

3-6-2 Switch box installation
Secure by using field supplied machine screws (2 pcs.).

- Install the control on a flat surface only.
- To prevent deformation of the lower case, avoid over-tightening the installation screws.
3-7 Install the upper case.

- Align the upper case with tabs of the lower case (6 points), insert and install the upper case.
- Install the wiring with care to prevent pinching.
- Peel off the protective membrane which overlays the upper case.
5.4 Functions and Menu Items of Remote Controller Buttons

4. Functions and Menu Items of Remote Controller Buttons

4-1 Functions and menu items

(1) Operation mode selector button
Used to change the mode.

(2) Fan speed control button
Used to change the fan control.

(3) Menu/OK button
- Used to access the main menu.
  (For details of the main menu, see the operation manual.)
- Used to enter the item selected.

Main Menu
- Airflow Direction
- Individual Airflow Direction
- Ventilation
- Schedule
- Off Timer
- Celsius / Fahrenheit
- Filter Auto Clean
- Maintenance Information
- Configuration
- Current Settings
- Clock & Calendar
- Daylight Saving Time
- Language

*Depending on connected model

(4) Up button ▲
- Used to raise the setpoint temperature.
- The previous menu items will be highlighted.
  (The highlighted items will be scrolled continuously when the button is pressed continuously.)
- Used to change the selected item.

(5) Down button ▼
- Used to lower the setpoint temperature.
- Items below the currently selected item will be highlighted.
  (The highlighted items will be scrolled continuously when the button is pressed continuously.)
- Used to change the selected item.

(6) Right button ►
- Used to highlight items to the right of the currently selected item.
- Display contents are changed to next screen per page.
(7) Left button ◀
- Used to highlight items to the left of the currently selected item.
- Display contents are changed to previous screen per page.

(8) On/Off button
Press once to operate, and press once again to stop.

(9) Operation lamp
Green lamp lights up during operation. The lamp will flash if a malfunction occurs.

(10) Cancel button
- Used to return to the previous screen.
- Press and hold this button for 4 seconds or longer to display service settings menu.

(11) LCD (with backlight)
The backlight will illuminate for approximately 30 seconds by pressing any operation button.

**NOTE**

- Operate the button while the backlight is illuminated.
- When one indoor unit is controlled by two remote controllers (main / sub) only the first controller to be accessed by the user will illuminate it's backlight.

4-2 Button menu display descriptions

<Service settings menu screen>

<table>
<thead>
<tr>
<th>Setting</th>
<th>1/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Settings</td>
<td></td>
</tr>
<tr>
<td>Test Operation</td>
<td></td>
</tr>
<tr>
<td>Maintenance Contact</td>
<td></td>
</tr>
<tr>
<td>Field Settings</td>
<td></td>
</tr>
<tr>
<td>Energy Saving Options</td>
<td></td>
</tr>
<tr>
<td>Prohibit Function</td>
<td></td>
</tr>
<tr>
<td>Min Setpoints Differential</td>
<td></td>
</tr>
<tr>
<td>Outdoor unit AirNet Address</td>
<td></td>
</tr>
<tr>
<td>Error History</td>
<td></td>
</tr>
<tr>
<td>Indoor Unit Status</td>
<td></td>
</tr>
<tr>
<td>Outdoor Unit Status</td>
<td></td>
</tr>
<tr>
<td>Forced Fan ON</td>
<td></td>
</tr>
<tr>
<td>Switch Main Sub Controller</td>
<td></td>
</tr>
<tr>
<td>Filter Indicator</td>
<td></td>
</tr>
<tr>
<td>Brush/Filter Ind.</td>
<td></td>
</tr>
<tr>
<td>Disable Filter Auto Clean</td>
<td></td>
</tr>
</tbody>
</table>

*Depending on connected model

Highlighted display (selected items)

In the highlighted display (selected items) setting screen, button operation descriptions are displayed.
5. Power-on

- Check for completion of indoor/outdoor unit wiring.
- Ensure that covers have been replaced on electrical component boxes for both indoor and outdoor units prior to restoring power.

5-1 The following message is displayed after power-on.

Checking the connection.
Please stand by.

When the above message is displayed, the backlight will not be ON.

In the case that 1 indoor unit is controlled by 2 remote controllers:

Make sure to set the sub remote controller when the above message is displayed. Hold Mode button for 4 seconds or longer to set.

When the display is changed from "Main RC" to "Sub RC" the setting is completed.

5-2 Basic screen is displayed.

NOTE
If sub remote controller is not set at power-on in the case of one indoor unit controlled by two remote controllers, Error Code: U5 is displayed in the connection checking screen. Select the sub remote controller by pressing Mode button of either one of the remote controllers for 4 seconds or longer. If the basic screen is not displayed in 2 minutes after the "Sub RC" is displayed, shut off the power supply and check the wiring.

NOTE
When selecting a different language, refer to Chapter 12 Language. (See page 21.)
5.6 Field Settings

6. Field Settings

6-1 Press and hold Cancel button for 4 seconds or longer.
Service settings menu is displayed.

6-2 Select Field Settings in the Service Settings menu, and press Menu/OK button.
Field settings screen is displayed.

6-3 Highlight the mode, and select desired “Mode No.” by using ▲▼ (Up/Down) button.

6-4 In the case of setting per indoor unit during group control (When Mode No. such as 20, 21, 22, 23, 25 are selected), highlight the unit No. and select “Indoor unit No.” to be set by using ▲▼ (Up/Down) button.
(In the case of group setting, this operation is not needed.)

In the case of individual setting per indoor unit, current settings are displayed. And, SECOND CODE NO. “-” means no function.

6-5 Highlight SECOND CODE NO. of the FIRST CODE NO. to be changed, and select desired “SECOND CODE NO.” by using ▲▼ (Up/Down) button. Multiple identical mode number settings are available.

In the case of setting for all indoor units in the remote control group, available SECOND CODE NO. is displayed as “* *” which means it can be changed. When SECOND CODE NO. is displayed as “- -”, there is no function.
6-6 Press **Menu/OK** button. Setting confirmation screen is displayed.

6-7 Select **Yes** and press **Menu/OK** button. Setting details are determined and field settings screen returns.

6-8 In the case of multiple setting changes, repeat “6-3” to “6-7”.

6-9 After all setting changes are completed, press **Cancel** button twice.

6-10 Backlight goes out, and **[Checking the connection. Please stand by.]** is displayed for initialization. After the initialization, the basic screen returns.

### NOTE
- Installation of optional accessories on the indoor unit may require changes to field settings. See the manual of the optional accessory.
- For field setting details related to the indoor unit, see installation manual shipped with the indoor unit.

<table>
<thead>
<tr>
<th>Mode No. (Note 1)</th>
<th>First Code No.</th>
<th>Description</th>
<th>Second Code No. (Note 2)</th>
<th>(Items in bold are factory default settings)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>01</td>
<td>02</td>
<td>03</td>
<td>04</td>
</tr>
<tr>
<td>10 (20)</td>
<td>2</td>
<td>Priority of thermistor sensors for space temperature control</td>
<td>The return air thermistor is primary and the remote controller thermistor is secondary.</td>
<td>The remote controller thermistor is not utilized. Only the return air thermistor will be utilized.</td>
</tr>
<tr>
<td>5</td>
<td>Room temperature value reported to multizone controllers</td>
<td>Return air thermistor</td>
<td>Thermistor designated by 10-2 above (Note 3)</td>
<td></td>
</tr>
<tr>
<td>12 (22)</td>
<td>2</td>
<td>Thermo-on/off deadband (Note 4)</td>
<td>2F (1C)</td>
<td>1F (0.5C)</td>
</tr>
<tr>
<td>1c</td>
<td>1</td>
<td>Thermistor sensor for auto changeover and setback control by the remote controller</td>
<td>Utilize the return air thermistor</td>
<td>Utilize the remote controller thermistor</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Access permission level setting</td>
<td>Level 2</td>
<td>Level 3</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Setback availability</td>
<td>N/A</td>
<td>Heat only</td>
</tr>
</tbody>
</table>
5.7 Test Operation

Notes) 1. Field settings are normally applied to the entire remote control group, however if individual indoor units in the remote control group require specific settings or for confirmation that settings have been established, utilize the mode number in parenthesis.
2. Any features not supported by the connected indoor unit will not be displayed.
3. When mode 10-2-01 is selected, only the return air temperature value is reported to the multizone controller.
4. The actual default deadband value will depend upon the indoor unit model.

7. Test Operation

Also see installation manuals furnished with the indoor unit and the outdoor unit.

- Verify that the wiring of the indoor unit and the outdoor unit is completed.
- Ensure that covers have been replaced on electrical component boxes for both indoor and outdoor units prior to restoring power.
- After refrigerant piping, drain piping and electric wiring are completed, clean inside of the indoor unit and decorative panel.
- Perform the test operation according to following procedure.
- To protect the compressor, apply power to the outdoor unit at least 6 hours prior to test operation.
- Set the remote controller display mode to standard or detailed display mode. Refer to Operation Manual for the setting method.

Notes for backlight
- The backlight will be ON for 30 seconds by pressing any button.
- The initial push of the button will only turn on the backlight. While the backlight is turned on, the buttons assigned functionality will be available.

7-1 Set the operation mode to cooling by using the remote controller.
7-2 Press and hold Cancel button for 4 seconds or longer. Service settings menu is displayed.
7-3 Select Test Operation in the service settings menu, and press Menu/OK button. Basic screen returns and message “Test Operation” is displayed at the bottom.
7-4 Press On/Off button within 10 seconds, and the test operation starts. Monitor the operation of the indoor unit for a minimum of 10 minutes. During test operation, the indoor unit will continue to cool regardless of the temperature setpoint and room temperature.

* Note) In the case of above-mentioned procedures 7-3 and 7-4 in reverse order, test operation can start as well.

7-5 Press Menu/OK button in the basic screen. Main menu is displayed.

7-6 In the case of a model having airflow direction function, select Airflow Direction in the main menu and check that airflow direction is actuated according to the setting. For operation of airflow direction setting, see the operation manual.

7-7 After the operation of airflow direction is confirmed, press Menu/OK button. Basic screen returns.

7-8 Press and hold Cancel button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

7-9 Select Test Operation in the service settings menu, and press Menu/OK button. Basic screen returns and normal operation is conducted.

* Note) The test operation will automatically finish in 30 minutes.

7-10 Check the functions according to the operation manual.

7-11 When the decorative panel is not installed, shut off the power supply after the test operation finishes.

* If construction activities are planned within the space following the test operation procedure, recommend to the customer that the indoor unit is not operated to prevent contamination from paints, drywall dust and other airborne materials.
If operation is not possible due to a malfunction, refer to following Failure diagnosis method.

After the test operation finishes, check whether the error code history is displayed on the maintenance information screen of the main menu according to the following procedure.

**NOTE**

- If operation is not possible due to a malfunction, refer to following Failure diagnosis method.
- After the test operation finishes, check whether the error code history is displayed on the maintenance information screen of the main menu according to the following procedure.

7-12 Press Menu/OK button in the basic screen. Main menu screen is displayed.

7-13 Select Maintenance Information in the main menu, and press Menu/OK button.

7-14 Maintenance information screen is displayed. Check whether the error code history is displayed on the screen.
   - If no error code history is displayed following this procedure the system has normally completed the test operation mode.

7-15 If the error code history is displayed, conduct the failure diagnosis referring to <Error code list> in the installation manual of the indoor unit.
After the failure diagnosis finishes, press and hold On/Off button for 4 seconds or longer in the maintenance information screen to erase the error code history.

**Failure diagnosis method**

- Whenever the remote controller display is blank or displays [Checking the connection. Please stand by.], troubleshoot the system with the items in the Description column of the following table.
- If an error occurs, CODE is displayed on the LCD as shown to the right.
Conduct the failure analysis referring to <Error code list> in the installation manual of the indoor unit.
When the unit No. which detected the error during group control is confirmed, refer to Chapter 8: Procedure for Checking Error History.
5.8 Procedure for Checking Error History

Remote controller display | Description
--- | ---
No display | • Power outage, power voltage error or open-phase
• Incorrect wiring (between indoor and outdoor units)
• Indoor printed-circuit board assembly failure
• Remote controller wiring not connected
• Remote controller failure
• Open fuse or tripped circuit breaker (outdoor unit)

Checking the connection. Please stand by. | • Indoor printed-circuit board assembly failure
• Wrong wiring (between indoor and outdoor units)

* [Checking the connection. Please stand by.] will be displayed for up to 90 seconds following the application of power to the indoor unit. This is normal and does not indicate a malfunction.

8. Procedure for Checking Error History

8-1 Press and hold Cancel button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

8-2 Select Error History in the service settings menu, and press Menu/OK button. The error history menu screen is displayed.

8-3 Select RC Error History in the error history menu, and press Menu/OK button. Error codes and unit No. can be confirmed in the RC error history screen.

8-4 In the error history, the 10 most recent items are displayed in order of occurrence.

8-5 Press Cancel button in the RC error history screen 3 times. The basic screen returns.
5.9 Adding Maintenance Contact Information

9. Adding Maintenance Contact Information

- Registration of the maintenance contact.

9-1 Press and hold Cancel button for 4 seconds or longer in the basic screen.
   Service settings menu is displayed.

9-2 Select Maintenance Contact in the service settings menu, and press Menu/OK button. Maintenance contact menu screen is displayed.

9-3 Select Maintenance Contact, and press Menu/OK button.

9-4 Enter the telephone number.
   Scroll through the numbers by using ▲▼ (Up/Down) buttons. Start from the left side. Blank digits should remain as “-”.

9-5 Press Menu/OK button.
   Setting confirmation screen is displayed.

9-6 Select Yes and press Menu/OK button.
   Setting details are saved and service settings menu screen returns.

9-7 Press Cancel button once.
   The basic screen returns.

<Basic screen>

<Service settings menu screen>

<Setting confirmation screen>

<Service settings menu screen>
5.10 Confirming Registered Details

5.11 Clock & Calendar

10. Confirming Registered Details

10-1 Press Menu/OK button in the basic screen.
Main menu is displayed.
Select Maintenance Information in the main menu, and press Menu/OK button.

10-2 Press Cancel button twice.
The basic screen returns.

11. Clock & Calendar

11-1 Press Menu/OK button in the basic screen.
Main menu is displayed.
Select Clock & Calendar in the main menu, press Menu/OK button.

11-2 Press ▲▼ buttons to select Date & Time on the clock & calendar screen.
The date & time screen will appear when Menu/OK button is pressed.
5.12 Language

11-3 Select year, month, day and time by using ▲▼ (Left/Right) button and set by using ▲▼ (Up/Down) button in the date & time screen. Press and hold the button for continuous change of the numeric value.
* Day of the week is set automatically.

11-4 Press Menu/OK button.
Setting confirmation screen is displayed.

11-5 Select Yes and press Menu/OK button.
Setting details are saved and basic screen returns.
* If power outage exceeds 48 hours, reset is needed.

12. Language

12-1 Press Menu/OK button in the basic screen.
Main menu is displayed.
Select Language in the main menu, press Menu/OK button.

12-2 Press ▲▼ (Up/Down) buttons to select Language on the language screen.
English/Français/Español
Press Menu/OK button.
1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.

2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

**Cautions on product corrosion**

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.