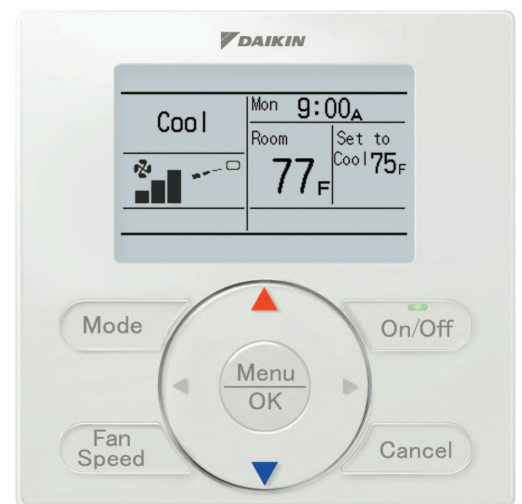




EDUS72 - 975

Engineering Data

Navigation Remote Controller (Wired Remote Controller) **BRC1E71**



DAIKIN AC (AMERICAS), INC.

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1. Features



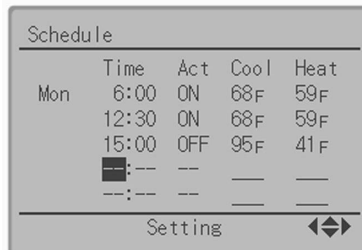
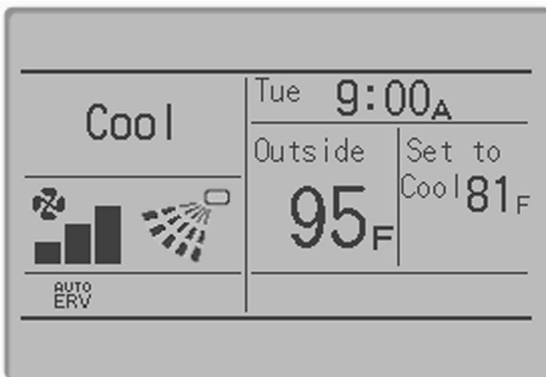
BRC1E71

- Clear Display Equipped with backlight and large sized character display and buttons.
- Stylish Basic tone is white and arrow keys are located at the center.
- Simple Operation Simple operation used with arrow keys and menu-driven method.
- Multilingual Display Available for selection of 3 languages to display arbitrarily
- Other Features..... Wide variety of functions to meet customer needs such as schedule setting.

1.1 Clear Display

- **Dot matrix display**

A combination of fine dots enables texts and icons to be displayed smoothly and makes the display of a wide variety of text and illustrations possible.



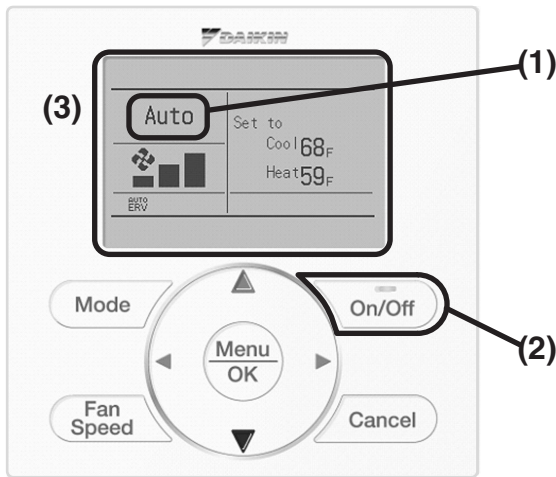
- **Backlight display**

Newly equipped backlight helps operation in dark room.

1.2 Stylish

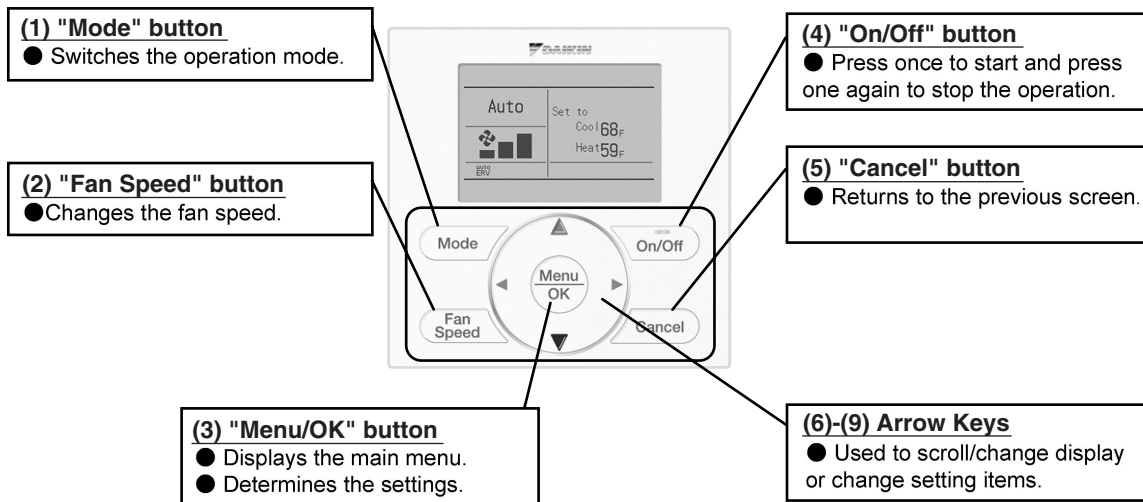
Simple and Functional Design

(1) Large text display (2) Large buttons (3) Backlight (4) No-cover design

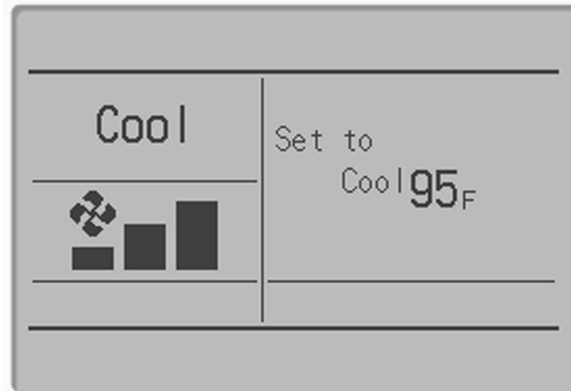
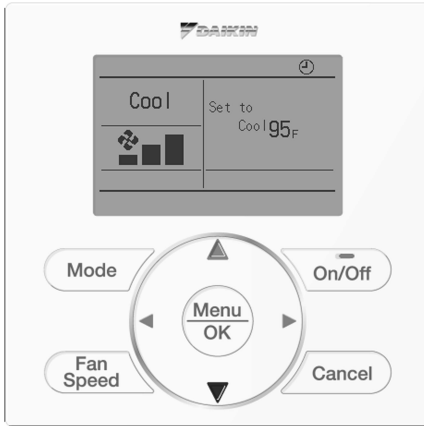


1.3 Simple Operation

Compared to the conventional structure of button allocation for each function, the number of buttons has been decreased (from 15 to 9). Can intuitively handle frequently performed basic operations.

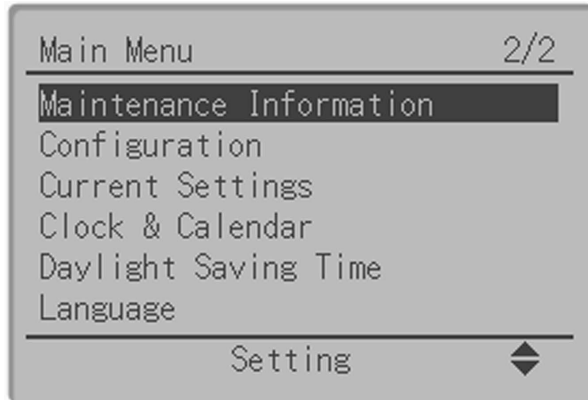
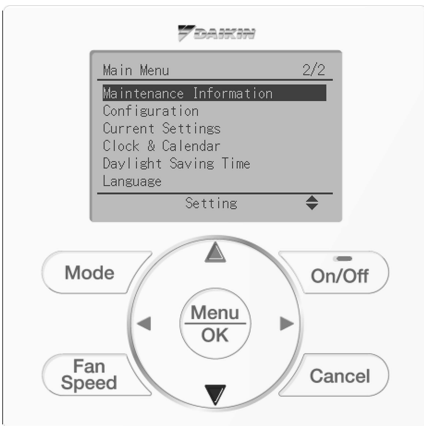


Available for simple operation with arrow keys and menu-driven system.



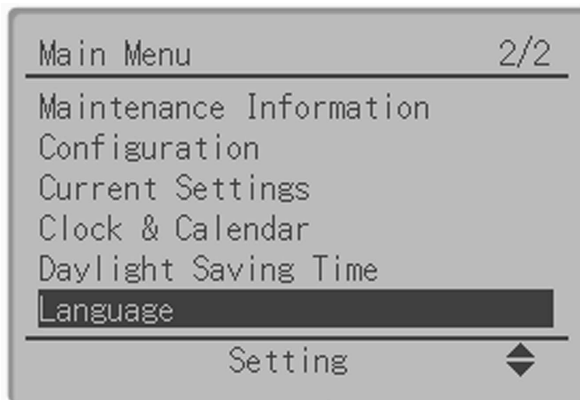
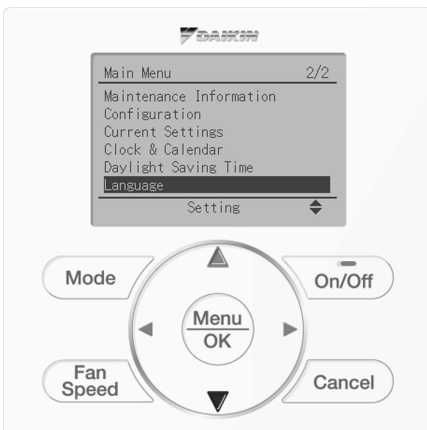
Press the button once to display backlight and make operation available via buttons.

Available for simple operation with arrow keys and menu-driven system.



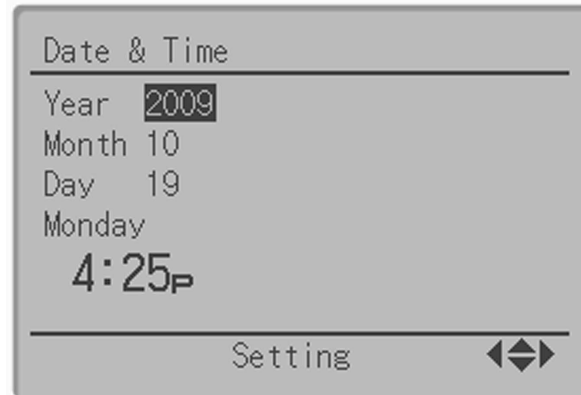
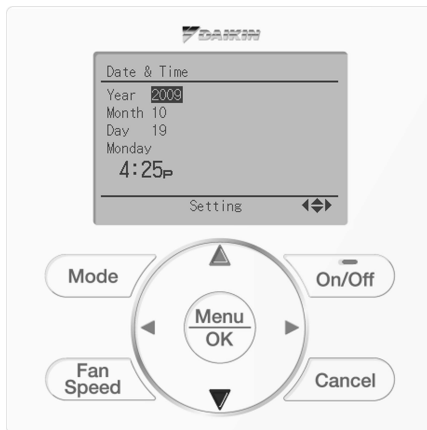
Press "Menu/OK" button to change the screen and then the main menu appears.

Available for simple operation with arrow keys and menu-driven system.



Select the item you wish to set with direction keys and press "Menu/OK" button at the item you wish to set and the setting entry screen appears.

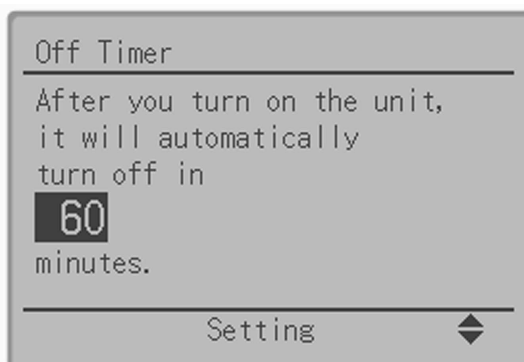
Available for simple operation with arrow keys and menu-driven system.



The item you wish to set can be changed with up or down button.

Guide on display

● Example of Setting Screen



The display gives an explanation of each setting for easier operation.

1.4 Multilingual Display

- Available for display in 3 different languages.
Always available for switching display by selecting from main menu.

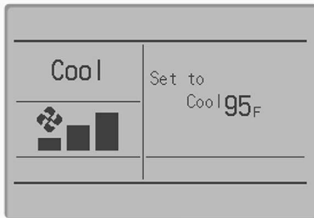


3 languages (English, French, Spanish)

1.5 Other Features

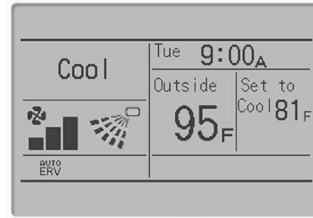
Switching Display

- Simple display (standard display)



Thanks to full dot LCD, wide variety of contents can be displayed freely.

- Display more detailed information (detailed display)



Selectable screen display (Standard/Detailed)

Schedule function

- Easy to set up weekly schedule timer

Schedule				
	Time	Act	Cool	Heat
Mon	6:00	ON	68°F	59°F
	12:30	ON	68°F	59°F
	15:00	OFF	95°F	41°F
	--:--	--	--	--
	--:--	--	--	--

Setting ◀▶

2. Functions

2.1 Functions

Category	Function	BRC1E71
Basic Functions	Drawing display	LCD
	Operation method	Menu selection
	Backlight function	○
Convenient Functions	Clock function (time display)	○
	Display switch function	○ *1
	Keylock function	○
	Schedule (weekly) timer*4	○
Maintenance/Services	Model name display	○ *2
	Contact dealer display	○ *2
	Operation time display	○ *3
	Operational data display	○*3

○: Possible

*1 Used for setting Standard Display mode or Detailed Display mode.

*2-1When an error occurs, the error code blinks and the contact address and model names appear.

2-2The contact address must be registered when the controller is installed.

2-3For some models, model codes are displayed instead of model names.

*3 Can display for some model only.

*4 Setback function

2.2 Restrictions

1. In the case of two remote control system.

		Main		
		BRC1E71	BRC1D71	Wireless BRC4*** BRC7***
Sub	BRC1E71	○	×	×
	BRC1D71	○	○	×
	Wireless BRC4*** BRC7***	×	○	×

○: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.

◆ When controlling 2 remote controllers, the following functions cannot be set with the sub remote controller.

1. Schedule function and Setback temperature function

2. Auto Changeover function by the remote controller

<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.

2. In the case of Centralised remote controller connection.

- ◆ When connecting a centralised related device(*1), the following functions cannot be set.
 1. Schedule function and Setback temperature function
 2. Auto Changeover function by the remote controller

(*1) this means All Centralised remote controller.

intelligent Touch Controller [DCS601C71]

intelligent Manager [DAM602A71,72]

BACnet Gateway [DMS502B71]

Central remote controller [DCS302C71]

Unified ON/OFF controller [DCS301C71]

Schedule timer [DST301BA61]

Residential central remote controller [DCS303A71]

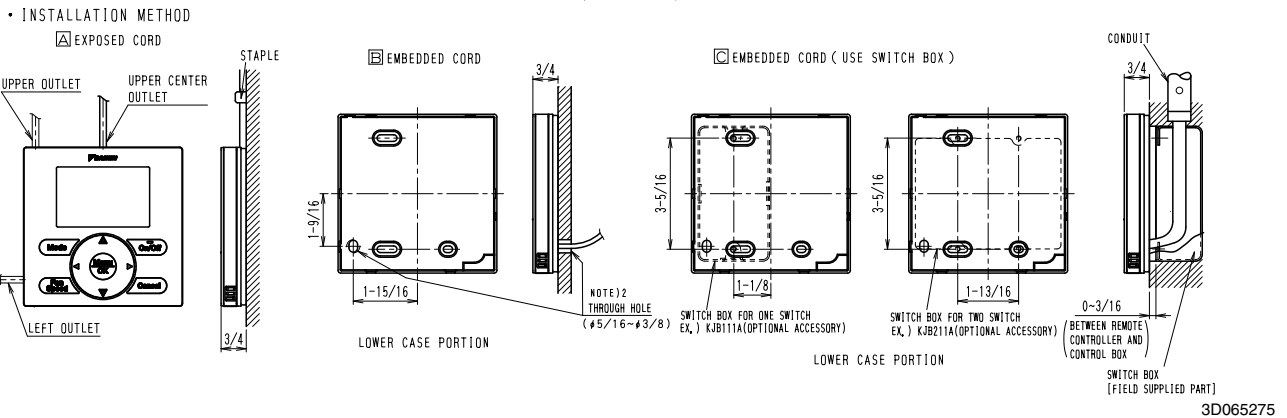
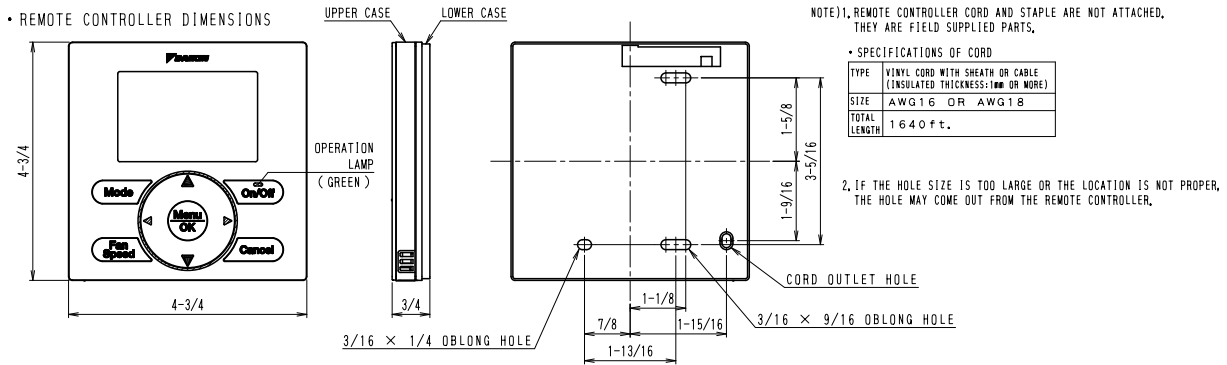
Wiring adaptor for electrical appendices [KRP2A5*/6*]

DMS-IF [DMS504C71]

3. Specifications

		New Remote Controller BRC1E71
Dimension (in.) H x W x D		4'3/4" x 4'3/4" x 3/4"
LCD	Display size (in.) H x W	1'25/32" x 2'13/16"
	Display method	Full dot method (dot 160 x 255)
	Backlight	Yes (Background color: white)
Color		Fresh white
Cover for operation part		No

4. Dimensions



5. Applicable Models

5.1 Applicable Models

	Applicable Indoor unit
VRV	All models that can be connected BRC1D71
SkyAir	All models that can be connected BRC1D71

6. Operation Manual

6.1 Safety Precautions



Contents

Notices	Safety Considerations Items to be Strictly Observed 2
	Button Locations and Descriptions 4
Basic Operation	Cool/Heat/Auto/Fan Operation 10
	Dry Mode 12
	Setback 14
	Ventilation Mode 15
	Setting the Cool / Heat Changeover Master 16
	Key Lock 18
Quick Reference	Main Menu Items 20
Menu Options	Moving Within the Main Menu Screen 22
	Air Flow Direction 23
	Ventilation 26
	Schedule 28
	Off Timer 33
	Maintenance Information 35
	Configuration 36
	Current Settings 39
	Clock & Calendar 39
	Language 42
Maintenance	Reset Filter Indicator 43
	Maintaining the Unit and LCD Display 44
Reference Information	Error Code Display 45
	After-sale Service 46






Safety Considerations

Read these **SAFETY CONSIDERATIONS** carefully before operating the remote controller. Train the customer to operate and maintain the unit. Inform customers that they should store this Operations Manual with the Installation Manual for future reference.





Meanings of **WARNING** and **CAUTION** Symbols:

	WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	CAUTION 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.

• The following pictograms are used in this manual.






	Never do.		Always follow the instructions given.
	Be sure to ground the unit.		Keep wet hands away.
	Keep water and moisture away.		

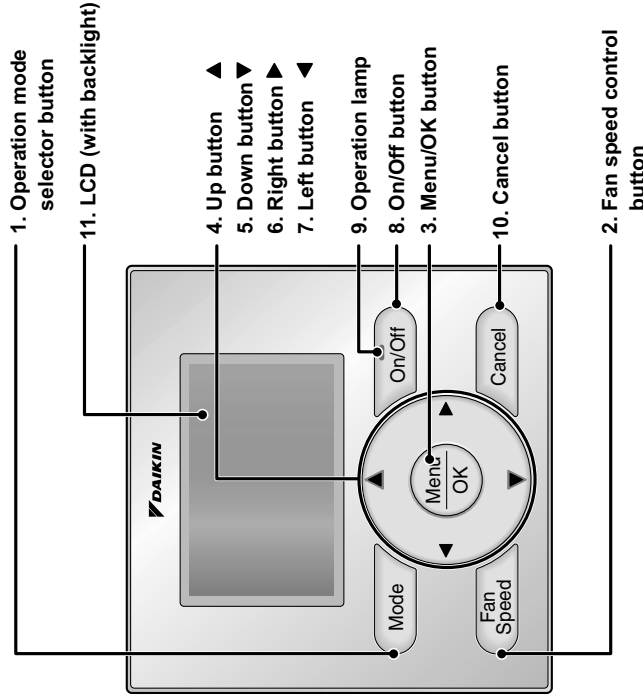
WARNING

	<ul style="list-style-type: none"> • Do not modify or repair the remote controller. Consult your Daikin dealer for any modification or for repairs.
	<ul style="list-style-type: none"> • 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.
	<ul style="list-style-type: none"> • 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.
	<ul style="list-style-type: none"> • 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.

6.2 Button Locations and Descriptions

Button Locations and Descriptions

CAUTION	
	<ul style="list-style-type: none"> Do not allow children to play with the remote controller to avoid causing damage to the product.
	<ul style="list-style-type: none"> 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.
	<ul style="list-style-type: none"> Do not touch the remote controller buttons with wet fingers. Touching the buttons with wet fingers can cause an electric shock.
	<ul style="list-style-type: none"> Do not wash the remote controller. Doing so may cause electric leakage and result in electric shocks or fire.
	<ul style="list-style-type: none"> Never let the remote controller to get wet. Water can cause damage to the remote controller, and may cause an electric shock or fire.



Functions other than basic operation items (i.e., On/Off, Operation mode selector, Fan speed control, and temperature setpoint) are set from the menu screen.

NOTE

- Do not install the remote controller in places exposed to direct sunlight, otherwise the LCD will be damaged.
- Do not pull or twist the remote controller cord, otherwise the remote controller may be damaged.
- Do not use objects with sharp ends to press the buttons on the remote controller otherwise damage may result.

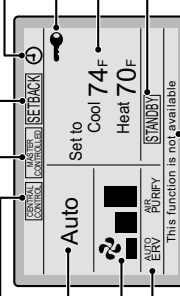
6.3 Names and Functions

Names and Functions

Liquid Crystal Display

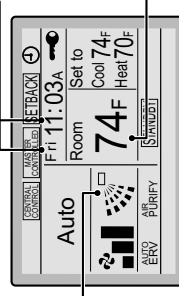
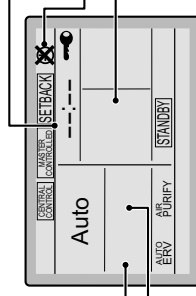
- Two types of liquid crystal display (LCD) are available. The standard display is set by default.
- Detailed display can be selected in the main menu. (See page 37.)
- The displayed contents of the screen vary with the operation mode of the indoor unit model. (The following display will appear when the indoor unit is in automatic operation.)

Standard display

10. Changeover controlled by the master indoor unit
 9. Under centralized control
 1. Operation mode
 2. Fan Speed
 6. Ventilation
 11. Setback
 8. (⊕) display
 7. (→) display
 3. Setpoint display
 4. Stand by for Defrost/ Hot start
 5. Message
- 
- <Standard display example>

Detailed Display

- The air flow direction, clock, and detailed selection items appear on the detailed display screen in addition to the items appearing on the standard display.

13. Current Day/time (12/24 hour time display)
 12. Air Flow Direction (Displayed only when the air conditioner is in operation.)
 14. Detailed selection
 15. (⊗) display (with no detailed items selected)
 15. (⊗) display (with no detailed items selected)
- 
- <Detailed display example 1>
- 
- <Detailed display example 2>

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 (Green)

- This lamp illuminates solid during normal operation.
- This lamp blinks 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 to be accessed first will have backlight functionality.

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 indicate the setpoint.
- 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.

Names and Functions

1. Operation mode

- Used to display the current operation mode: Cool, Heat, Vent, Fan, Dry or Auto.

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 display

- 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 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”
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 45).

“Time to clean filter”

“Time to clean element”

- Displayed as a reminder when it is time to clean the filter or element (see page 43).

6. Ventilation

- Displayed when a 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**: “ AirPurify”
This icon indicates that the air purifying unit (option) is in operation.

7. display (See page 18.)

- Displayed when the key lock is set.

8. display (See page 28.)

- Displayed if the Schedule or Off timer is enabled.

9. Under Centralized control “”

- Displayed if the system is under the management of a multi zone controller (option) and the operation of the system through the remote controller is limited.

10. Changeover controlled by the master indoor unit “” (VRV only)

- Displayed when another indoor unit on the system has the authority to change the operation mode between cool and heat.

11. Setback “” (See page 14.)

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

12. Air Flow Direction “”

- Displayed when the air flow 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 39).
- 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. Detailed selection

- Displayed if the detailed display item is selected (see page 38).
- Detailed items are not selected by default.

15. display

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

6.4 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

1 Operation screen display

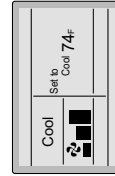
Describes screens that will be displayed on the remote controller in operation.

<p>1</p>	<ul style="list-style-type: none"> • Display the main menu screen. (See page 22.) • Press ▼ buttons to select Scheduling the main menu screen. Press Menu/OK button to display the timer screen. 	
<p>2</p>	<ul style="list-style-type: none"> • 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 ▶ 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 39.) 	

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 the Operation mode selector button several times until the desired mode Cool, Heat, Fan, or Auto mode is selected.



* Unavailable operation modes are not displayed.

Note

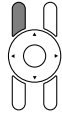
- Before changing the mode, confirm that the display does not indicate master controlled status. Both heat and cool mode may not be selected if the unit is master controlled. See page 16 if MASTER CONTROLLED icon blinks.

Basic Operation

2



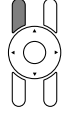
- Press On/Off button. The Operation lamp (green) will illuminate and the system will start operating.



6

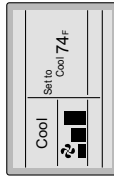


- When the On/Off button is pressed again, the system will stop operating and the operation lamp will turn off.

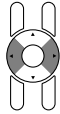


- *When the system is stopped while in the heating mode, the fan will continue to operate for approximately one minute to remove residual heat from the indoor unit.

3

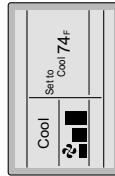


- The setpoint will increase by 1°F (or 1°C) when ▲ button is pressed and decrease by 1°F (or 1°C) when ▼ button is pressed.



*Setpoint is not available in fan or dry mode.

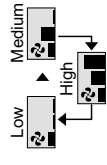
4



- To change the fan speed, press the Fan speed control button and select the desired fan speed from Low, Medium or High.



- * Only two fan speed adjustment levels, low and high may be available depending on the type of indoor unit.
- * The system may be in automatic fan speed control for equipment protection purposes.
- * The system may be in automatic fan speed control according to the room temperature. It is normal for the fan to intermittently stop operating.
- * It is normal for a delay to occur when changing the fan speed.



5

- Adjust Air Flow Direction from the main menu (see page 23).

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

English

11

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 loss of heating capacity.
- The indoor unit fan will stop, and "STANDBY" (Defrost/Hot start) will be displayed on the remote controller.
- The system will return to normal operation usually within six to eight minutes (but not more than 10 minutes).

Hot start

- When the system goes into heat mode, the indoor unit fan will stop in order to prevent a cold draft. (In that case, "STANDBY" (Defrost/Hot start) 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 17 for details)

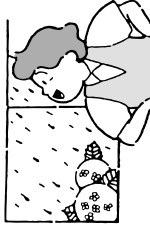
12

English

Basic Operation

Characteristic of Dry mode

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



Setback

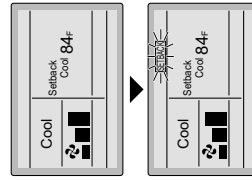
The Setback feature will maintain the space temperature in a specific range during unoccupied periods.

Note

- This function will temporarily start an indoor unit that was previously turned off by the user or turned off from a schedule event / off timer.
- This function must be enabled by the system installer.

Operation

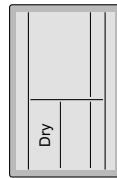
1



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

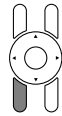
Operation

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 (green) will illuminate 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

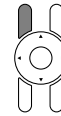
- Adjust Air Flow Direction from the main menu (see page 23).

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

4



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



Note

- To prevent water damage or system failure, do not immediately remove power from the indoor unit following system operation. Wait at least five minutes for the condensate pump to finishing draining residual water from the unit.

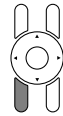
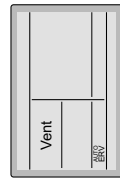
Basic Operation

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



- When operating the energy recovery ventilator (ERV) between seasons without the air conditioner, set the control to ventilation mode.

2

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

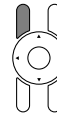
* Ventilation Mode: Auto, ERV, and Bypass

3

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

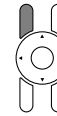
* Ventilation Rate: Low or High

4



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

5



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

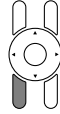
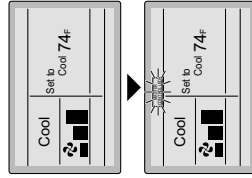
English

15

(VRV only)

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

1



- Press the Operation Mode Selector button on the remote controller of the changeover master indoor unit for at least four seconds. (While the backlight is illuminated)
- The "COOL/HEAT" icon on each remote controller for the indoor units connected to the same outdoor unit or BS unit will start flashing.

* Vent mode setting changes are possible regardless of the cool/heat changeover master indoor unit.

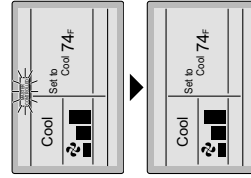
* If cool/heat mode is configured for control from the outdoor unit, all remote controllers serving the associated indoor units will display its "COOL/HEAT" icon.

- Set the cool/heat changeover master indoor unit as outlined below.

Selection Settings

The icon "COOL/HEAT" will flash on all remote controllers when the power is turned ON for the first time.

2



- Press the Mode Selector 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 "MASTER" icon disappears. Other remote controllers in the system (indoor units served by the same outdoor unit or indoor units served by the same branch selector (BS) unit) will now display the "COOL/HEAT" icon.

English

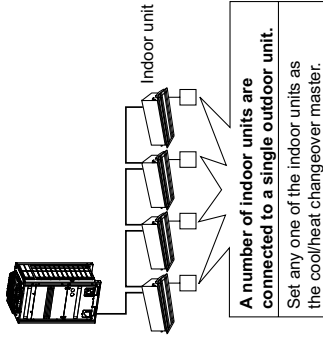
16

Basic Operation

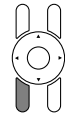
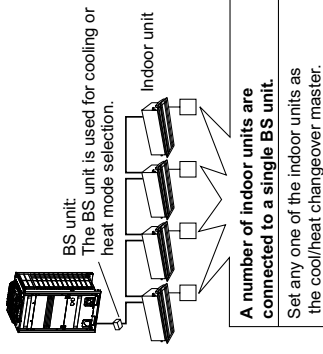
Precautions for Selecting the Cool / Heat Changeover Master Indoor Unit


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

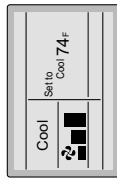
(2-Pipe Heat Pump System)



(3-Pipe Heat Recovery System)



- Press the Mode button on the remote controller of the indoor unit designated as the cool/heat changeover master (the remote controller not displaying the  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.



3

Cool / Heat Mode Selection Availability

- "Cool", "Heat" and "Auto" are all only 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.

When the master indoor unit is set to	The other indoor units in the system can be set to			
	Cool	Dry	Heat	Fan
Cool mode	✓	✓		✓
Dry mode	✓	✓		✓
Heat mode			✓	✓
Fan mode				✓
Auto mode (Cooling operation)	✓	✓		✓
Auto mode (Heating operation)			✓	✓

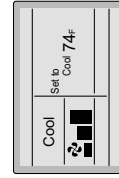
English

17

Key Lock

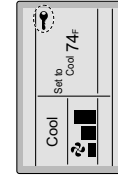
- Confirm and cancel Key Lock settings in the basic display screen.


1



- Press the Menu/OK button for at least four seconds. (While the backlight is illuminated)

2



- "" will appear. 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)

English

18

6.5 Quick Reference

Quick Reference

■ The main menu has the following items.

Menu item	Description	Reference page
Air Flow Direction	<p>Used to configure air flow direction settings.</p> <ul style="list-style-type: none"> The air flow direction louver is automatically operated up and down (left and right). The fixed air flow directions are configurable for five positions. <p>*This function is not available on all models.</p>	23
Ventilation <small>(Ventilation operation settings for energy recovery ventilator)</small>	Ventilation Rate	Used to set "Low" or "High"
	Ventilation Mode	Used to set Auto, ERV, or Bypass.
Schedule	Daily Patterns	<ul style="list-style-type: none"> Day settings are selected from three patterns, i.e., "7Days", "Weekday/Weekend", and "Weekday/Sat/Sun".
	Settings	<ul style="list-style-type: none"> Set the startup time and operation stop time. ON: Startup time, cooling and heating temperature setpoints can be configured. OFF: Operation stop time, cooling and heating setback temperature setpoints can be configured. (--): Indicates that the setback function is disabled for this time period.) —: Indicates that the temperature setpoint and setback temperature setpoint for this time period is not specified. The last active setpoint will be utilized. Up to five actions can be set for each day.
Off Timer	<p>Used to set each operation period of the system.</p> <ul style="list-style-type: none"> Possible to set in 10 minute increments from 30 to 180 minutes. 	33
Celsius / Fahrenheit	<ul style="list-style-type: none"> Used to select whether temperature values will be displayed in Celsius or Fahrenheit. 	—
Maintenance Information	Used to display the maintenance information.	35

6.6 Menu Options

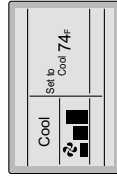
Menu Options

Moving Within the Main Menu Screen

Display Method for Main Menu

Operation

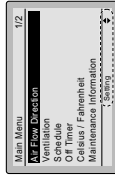
1



- Press Menu/OK button.

Basic screen

2



Main menu screen

- The main menu screen will appear.
- ⇐ Instructions for moving within the main menu will appear.

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 the Cancel button.

Note

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

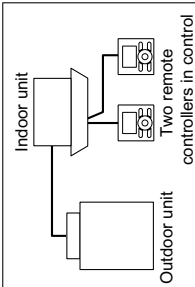
Menu item	Description	Reference page
Configuration		
Contrast Adjustment	Used to make LCD contrast adjustment.	36
Display Standard or Detailed Display	Used to set standard or detailed display mode. <ul style="list-style-type: none"> • Display mode Standard or detailed display • Detailed display provides the choice to display between Room Temp, Outside Air Temp, System or None. 	37
Current Settings	Used to display a list of current settings for available items.	39
Clock & Calendar	Used to configure date and time settings and corrections. <ul style="list-style-type: none"> • The default time display is 12H. • The clock will maintain accuracy to within ±30 seconds per month. • 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. 	39
12H/24H Clock	The time can be displayed in either a 12 hour or 24 hour time format.	42
Daylight Saving Time	Used to adjust the clock in observance of daylight saving time.	—
Language	The display language can be selected between English, Français or Español.	42

Note: Available setting items vary with the indoor unit model.

Sub Remote Controller Menu Items

If two remote controllers are in control of 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.

- Schedule
- Off timer
- Selback

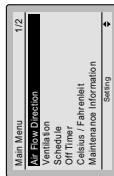


Air Flow Direction

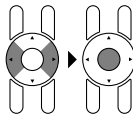
■ Configuring Air Flow Direction

Operation

1

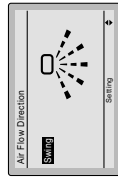


- Display the main menu screen.
(See page 22.)
- Press **▼▲** buttons to select **Air Flow Direction** on the main menu screen and press the Menu/OK button.
(For models with no airflow direction adjustment, **Air Flow Direction** will not be displayed on the main menu screen.)

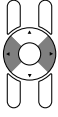


Menu Options

3



- Pressing **▼▲** buttons changes the setting to (in order) **Swing**,



Position 0,

Position 1,

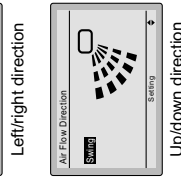
Position 2,

Position 3, and

Position 4.

- Selecting **Swing** will cause the air flow direction louver to oscillate back and forth.

For the swing setting only, all positions will be displayed.



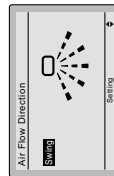
Left/right direction

Up/down direction

2



Air Flow Direction
(Up/down)



Air Flow Direction
(left/right)

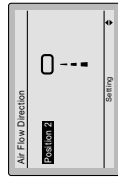
- The air flow direction screen will appear.

Note

- Air flow direction appears on the screen as below.

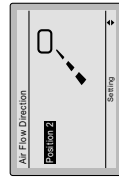


4



Position 0

Left/right direction

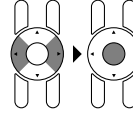


Position 2

Up/down direction

- When you select positions 0 to 4, the louver will stay in a fixed position.

* The illustration is an example of the display when position 2 is selected.



- Press **▼▲** buttons to select the desired air flow direction. Press Menu/OK button to return to the basic screen.

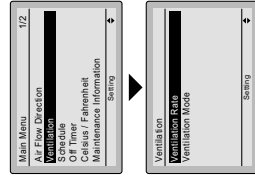
Menu Options

Ventilation

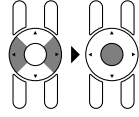
Ventilation screen display properties

Operation

1



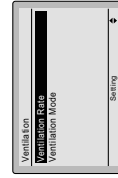
- Display the main menu screen. (See page 22.)
 - Press **▼▲** buttons to select **Ventilation** on the main menu screen. (For models with no ventilation function, **Ventilation** will not be displayed on the main menu screen.)
- Press Menu/OK button to display the ventilation screen.



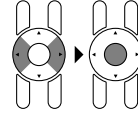
Changing the ventilation rate

Operation

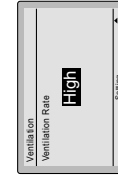
1



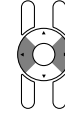
- Navigate to the ventilation screen (see above).
 - Press **▼▲** buttons to select **Ventilation Rate** on the ventilation screen.
- Press Menu/OK button to display the ventilation rate screen.



2



- Press the **▼▲** buttons to toggle between the **Low** and **High** settings.
- *Only modes that can be set are displayed.

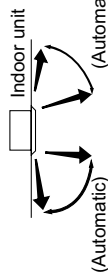


Operational Details and Functions

There are two types of air flow direction settings.

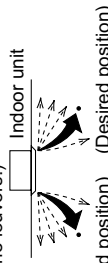
Air flow direction swing

The louvers automatically oscillate up and down.



Air flow direction

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



Movement of air flow direction louver

Under the operating conditions shown below, air flow direction is controlled automatically. Actual operation may be different than what is displayed on the remote controller.

Operating condition

- Room temperature is higher than the remote controller's setpoint (in heating operation).
- When defrosting (in heating operation). (The air flow discharges horizontally to avoid creating a draft for the room occupants.)
- Under continuous operation with the air flow discharging horizontally.

Menu Options

Auto mode

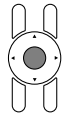
Using information from the air conditioner (cool, heat, fan, and setpoint) and the energy recovery ventilator unit (indoor and outdoor temperatures), the ventilation mode is automatically changed between ERV and Bypass.

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

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

ERV mode

Bypass mode

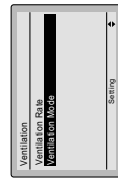


- Selecting and confirming the desired ventilation rate will take you back to the basic screen.
(Pressing the Cancel button takes you back to the previous screen without changing the ventilation rate.)

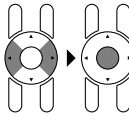
3

Changing the ventilation mode

Operation



- Display the ventilation screen.
(See page 26.)

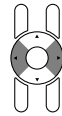


- Press **▼▲** buttons to select **Ventilation Mode** on the ventilation screen.
Press Menu/OK button to display the ventilation mode screen.

1



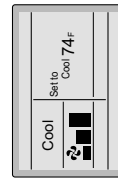
- Pressing the **▼▲** buttons cycles through the settings in the order shown below.



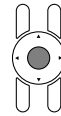
→ **Bypass** ↔ **ERV** ↔ **Auto** ←

* Only modes that can be set are displayed.

2



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



3

Ventilation Mode

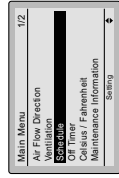
English

27

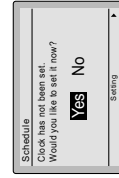
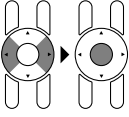
Schedule

Setting the schedule

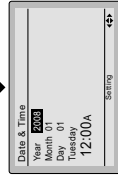
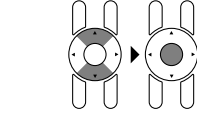
Operation The schedule can not be enabled when a multizone controller is connected.



- Display the main menu screen.
(See page 22.)
- Press **▼▲** buttons to select **Schedule**.
Press Menu/OK button to display the schedule screen.

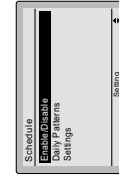


- Before setting the schedule, the clock must be set.
- If the clock has not been set, a screen like the one on the left will appear.
Press **◀▶** buttons to select **Yes** and press Menu/OK button.

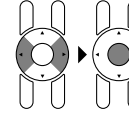


- The date & time screen will appear.
- Set the current year, month, day, and time. (See clock settings on page 39.)

2



- Press **▼▲** buttons to select the desired function on the schedule screen and press Menu/OK button.



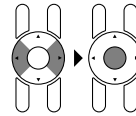
28

English

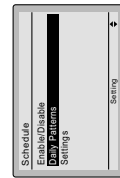
Menu Options

■ Settings

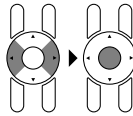
Operation



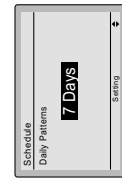
- The schedule screen will appear.
 - Press **▼▲** buttons to select **Daily Patterns** on the schedule screen.
- The daily patterns screen will appear when the Menu/OK button is pressed.



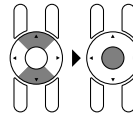
1



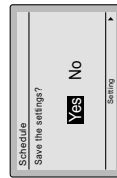
- Press **▼▲** buttons to select **7 Days**, **Weekday/Weekend**, or **Weekday/Sat/Sun** on the daily patterns screen.
- The confirmation screen will appear when the Menu/OK button is pressed.



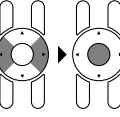
2



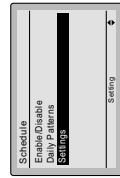
- Press **◀▶** buttons to select **Yes** on the confirmation screen.
- Pressing the Menu/OK button enters the daily patterns in the schedule and takes you back to the main menu screen.



3



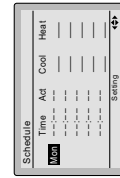
- The schedule screen will appear.
 - Press **▼▲** buttons to select **Settings** on the schedule screen.
- The settings screen will appear when the Menu/OK button is pressed.



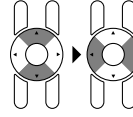
1



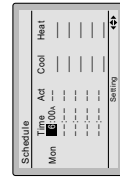
- Press **▼▲** buttons to select the day to be set.



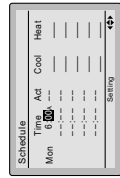
2



- Input the time for the selected day.
 - Press **◀▶** buttons to move the highlighted item and press **▼▲** buttons to input the desired operation start time.
- Each press of **▼▲** buttons moves the numbers by 1 hour or 1 minute.



3



Menu Options

4

- Press the ◀▶ 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 the Menu/OK button when settings for each day are completed. The confirmation screen will appear.

To copy the settings for the previous day, press the operation mode selector button so that the existing settings will be copied.
 Example: The contents for Monday are copied by pressing the operation mode selector button after selecting Tuesday.

6

- Press ◀▶ buttons to select "Yes" on the confirmation screen. Pressing the Menu/OK button confirms the settings for each day and takes you back to the main menu screen.

Enabling or disabling the schedule

Operation

1

- Display the schedule screen. (See page 28.)
- 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 will appear.

3

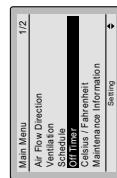
- Press ◀▶ buttons to select **Yes** on the confirmation screen. Pressing Menu/OK button confirms the enable/disable setting for the schedule and takes you back to the basic screen.

Off Timer

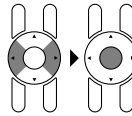
■ Configuring and Confirming the Off Timer settings

Operation

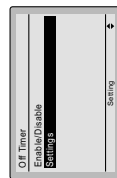
1



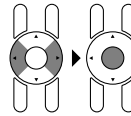
- Display the main menu screen. (See page 22.)
- Press **▼▲** buttons to select the **Off Timer** on the main menu screen. Press Menu/OK button to display the off timer screen.



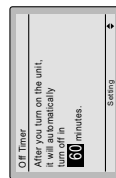
2



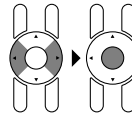
- Press **▼▲** buttons to select **Settings** on the off timer screen. Press Menu/OK button to display the configuration screen.



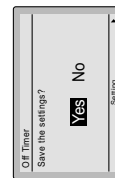
3



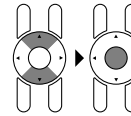
- Use **▼▲** buttons to set the time from operation start until the unit automatically stops. Selections can be made in increments of 10 minutes from 30 to 180 minutes. Holding down the button causes the number to change continuously.
- Select the desired time and press Menu/OK button. The confirmation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



English

33

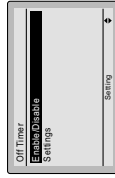
Menu Options



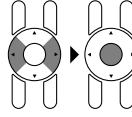
Enabling or disabling the off timer

Operation

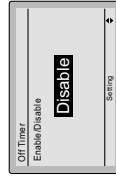
1



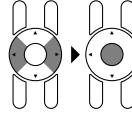
- Navigate to the off timer screen. (See page 33.)
- Press **▼▲** buttons to select **Enable/Disable** on the off timer screen. Press Menu/OK button to display the enable/disable screen.



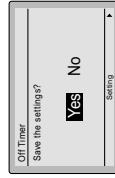
2



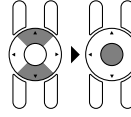
- Press **▼▲** buttons to select **Enable** or **Disable** on the enable/disable screen. Press Menu/OK button after selecting the item. Then the confirmation screen will appear.



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.



English

34

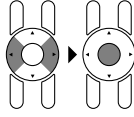
Menu Options

Configuration

■ Contrast Adjustment

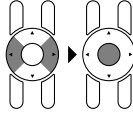
Operation

1



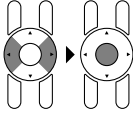
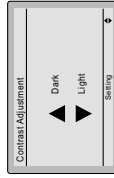
- Display the main menu screen. (See page 22.)
- Press **▲▼** buttons to select **Configuration** on the main menu screen. Press Menu/OK button to display the configuration screen.

2



- Navigate to the configuration screen.
- Press **▲▼** buttons to select **Contrast Adjustment** on the configuration screen. Press Menu/OK button to display the contrast adjustment screen.

3



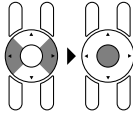
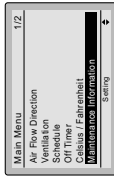
- On the contrast adjustment screen press **▲▼** buttons until you reach the desired contrast. After setting, press Menu/OK button and return to the basic screen.

Maintenance Information

■ Displaying the service contact and model information

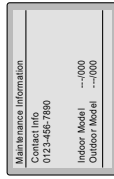
Operation

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



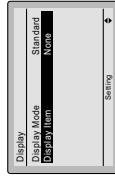
- The error code history may also appear. If the operation lamp is not blinking, the unit is working properly. The error code history will disappear if you press On/Off button for more than 4 seconds.

Menu Options

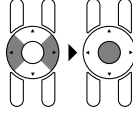
Display Item

Operation

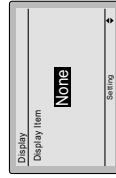
1



- Navigate to the display screen.
(See page 37.)
- 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.
- Be sure to read the following notes regarding display of room temperature and outside air temperature.

* Some models may not display these items even if they are selected.

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.

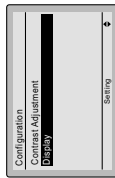


- After setting, press Menu/OK button to confirm settings and return to the basic screen.

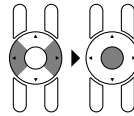
Display Mode

Operation

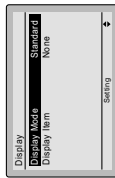
1



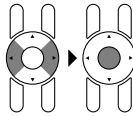
- Navigate to the configuration screen.
(See page 36.)
- Press **▼▲** buttons to select **Display Mode** on the configuration screen. Press Menu/OK button to display the display screen.



2



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

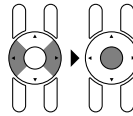


3



- Press **▼▲** buttons to select **Standard** or **Detailed** on the display screen.
- Press Menu/OK button to confirm the settings and return to the basic screen.

* Refer to **Display Item** to change detailed display selection.
(See page 38.)

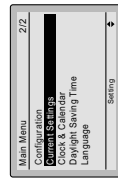


Current Settings

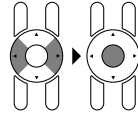
Manipulating the current settings

Operation

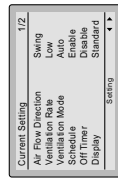
1



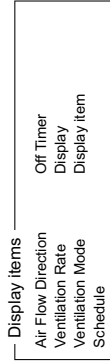
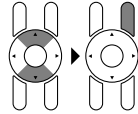
- Display the main menu screen. (See page 22.)
- Press **▼▲** buttons to select **Current Settings** on the main menu screen and press Menu/OK button.



2



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



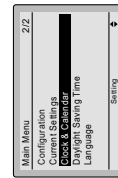
*Display items may differ depending on the model. Only the items that can be set are displayed.

Clock & Calendar

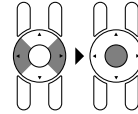
Date & Time

Operation

1

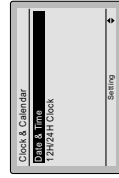


- Display the main menu screen. (See page 22.)
- Press **▼▲** buttons to select **Clock & Calendar** on the main menu screen.
- Press Menu/OK button to display the clock & calendar screen.

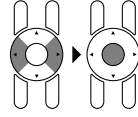


Menu Options

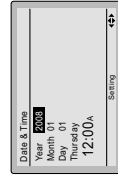
2



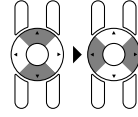
- Press **▼▲** buttons to select **Date & Time** on the clock & calendar screen.
- Press Menu/OK button to display the date & time screen.



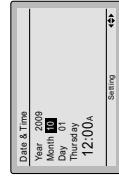
3



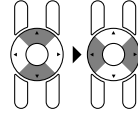
- Select "Year" with **◀▶** buttons. Change the year with **▼▲** buttons. Holding down the button causes the number to change continuously.



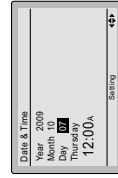
4



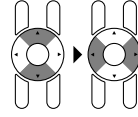
- Select "Month" with **◀▶** buttons. Change the month with **▼▲** buttons. Holding down the button causes the number to change continuously.



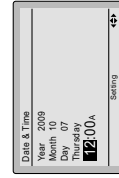
5



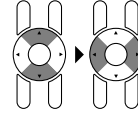
- Select "Day" with **◀▶** buttons. Change the day with **▼▲** buttons. Holding down the button causes the number to change continuously. Days of the week change automatically.



6



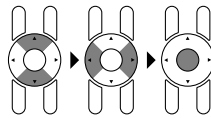
- Select "Hour" with **◀▶** buttons. Change the hour with **▼▲** buttons. Holding down the button causes the number to change continuously.



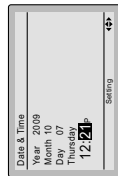
Menu Options

12H/24H CLOCK

Operation



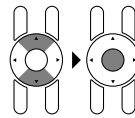
- Select "Minute" with ◀▶ buttons. Change the minute with ▼▲ buttons. Holding down the button causes the number to change continuously.
- Press Menu/OK button. The confirmation screen will appear.



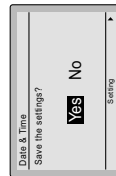
7

Note:

The date can be set between January 1, 2009 and December 31, 2099.

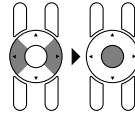


- Press ◀▶ button to select **Yes** on the confirmation screen. Press Menu/OK button to confirm the clock and return to the basic screen.

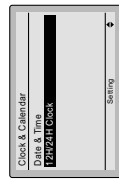


8

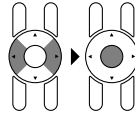
*When setting the schedule, the display returns to the settings screen.



- Display the clock & calendar screen. (See page 39.)
- Press ▼▲ buttons to select **12H/24H Clock** on the Clock & Calendar screen. The 12H/24H clock screen will appear when the Menu/OK button is pressed.



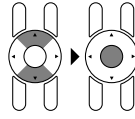
1



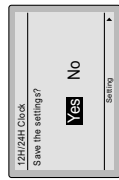
- By default, the time display is set to the 12H format.
- Press ▼▲ buttons to select **12H** or **24H** on the 12H/24H clock screen.
- The confirmation screen will appear when the Menu/OK button is pressed.



2



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



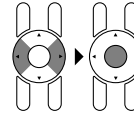
3

Language

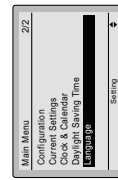
Selectable Languages

Operation

1



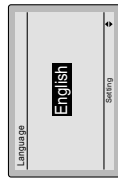
- Display the main menu screen. (See page 22.)
- Press ▼▲ buttons to select **Language** on the main menu screen and press the Menu/OK button.



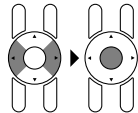
6.7 Maintenance

Maintenance

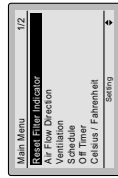
2



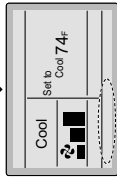
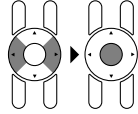
- Press **▲▼** buttons to select the preferred language on the language screen. English/Français/Español are available.
- Press Menu/OK button to confirm the settings and return to the basic screen.



3



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



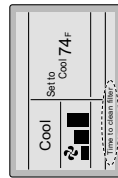
- The display shown in illustration 1 will disappear from the basic screen when the filter sign is reset.

Maintenance

Reset Filter Indicator

Operation

1



- When it is time to clean or replace the filter, one of the following messages will appear on the bottom of the basic screen.
 - “Time to clean filter”
 - “Time to clean filter & element”
 - “Time to clean element”

- 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 appear.



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.

6.8 Reference Information

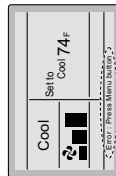
Reference Information

Error Code Display

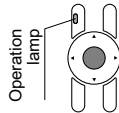
- Contact your Daikin dealer in the following cases

Operation

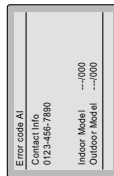
1



- 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.
 - “Warning: Push Menu button”
 - * The operation lamp will not flash.
- Press Menu/OK button.



2



- The error code will flash and the service contact and model name or code may appear.
- Notify your Daikin dealer of the Error code and model name or code.

Reference Information

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.

7. Installation Manual

7.1 Safety Precautions

Contents

- 1. Safety Considerations 2
- 2. Accessories 4
- 3. Remote controller installation procedure 4
- 4. Functions and menu items of remote controller buttons 10
- 5. Power-on 12
- 6. Field Settings 13
- 7. Test Operation 15
- 8. Procedure for Checking Error History 18
- 9. Entering Maintenance Contact Information 19
- 10. Confirmation registered details 20
- 11. Clock & Calendar 20
- 12. Language 21

1. Safety Considerations

Read these **SAFETY CONSIDERATIONS** carefully before installing the remote controller. After completing the installation, ensure that the unit operates properly during the startup operation. Train the customer to operate and maintain the unit. 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 water or refrigerant leakage, electrical shock, fire, or explosion. Meanings of **WARNING**, **CAUTION**, and **NOTE** Symbols.

⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	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.
⚠ NOTE	Indicates situations that may result in equipment or property-damage accidents only.





⚠ 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 leakage, electric shocks or fire.
Install the remote controller in accordance with the instructions in the 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 water leakage, 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, turn off the unit.

7.2 Accessories

7.3 Remote Controller Installation Procedure

2. Accessories

The following accessories are included.

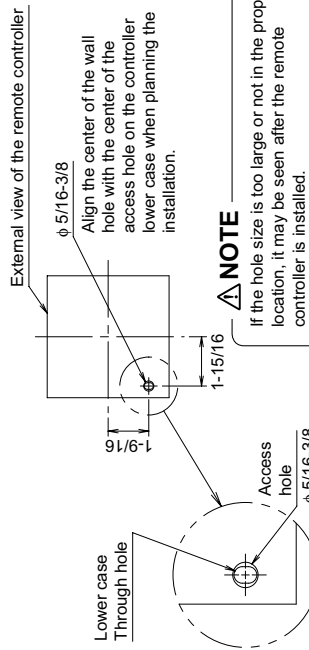
Wood screw ($\phi 3.5 \times 16\text{mm}$) (2 pcs.)	Small screw (M4 \times 16mm) (2 pcs.)	Clamp 	Operation manual 	Installation manual 	Wiring retainer 
(2 pcs.)	(2 pcs.)	(1 pc.)	(1 pc.)	(1 pc.)	(1 pc.)

3. Remote controller installation procedure

3-1 Determine where to install the remote controller.

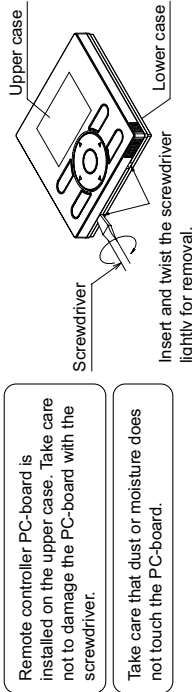
Make sure to follow "1. Safety Considerations" when determining the location.

3-2 If the control cable for the remote controller is to be routed from the rear, make a hole in the wall taking into consideration the location of the access hole in the lower case.



3-3 Remove upper case.

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



CAUTION

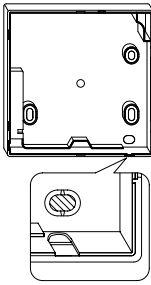
- Keep water out of the remote controller.
- To avoid leakage and electric shock due to entry of water or insects, fill the wiring through-hole with putty.
- Do not wash the remote controller with water as it may result in electrical shocks or fire.
- Do not touch the remote controller buttons with wet 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.
 - (b) Where plastic parts may deteriorate and fall off or result in water leakage.
 - (c) Where corrosive gas, such as sulfuric acid gas, is produced.
 - (d) Where plastic parts may deteriorate and fall off or result in water leakage.
 - (e) Corroding copper pipes or soldered parts may result in refrigerant leakage.
 - (f) Near machinery emitting electromagnetic waves.
 - (g) Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.
 - (h) 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.
 - (i) Operating the unit in such conditions can cause a fire.
 - (j) High temperature area or directly flamed point.
 - (k) Heating and/or fire can occur.
 - (l) 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.
- If water enters the inside of the remote controller, electric shock may be caused and inner electronics may fail.
- When remote controller's thermostat 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 apart from heat source.
 - A place where it is not affected by outside air due to door opening/closing.

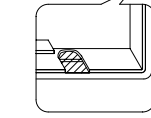
3-4 Determine the location where the cabling will enter the remote controller (back, left side, top left, top center).

3-4-1 Back outlet



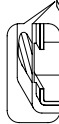
Cut off resin area (hatched area).

3-4-2 Left outlet



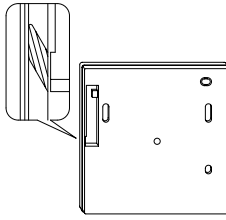
Using an appropriate tool, cut the plastic at the hatched area and remove any remaining burrs.

3-4-3 Top left outlet



Using an appropriate tool, cut the plastic at the hatched area and remove any remaining burrs.

3-4-4 Top center outlet



Using an appropriate tool, cut the plastic at the hatched area and remove any remaining burrs.

3-5 Install wiring.

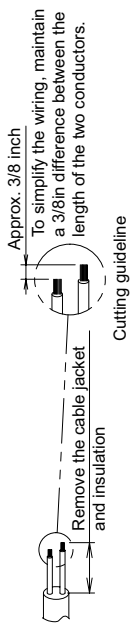
NOTE

1. Switch box and control wiring are not attached.
2. Do not touch the remote controller PC-board.

Wiring Specifications

Wiring Type	Non-shielded, 2-conductor, stranded copper cable
Wiring Size	AWG-18
Wiring Length	Maximum 1640 feet (500m)

Prepare the cabling for connection to the remote controller following these instructions:

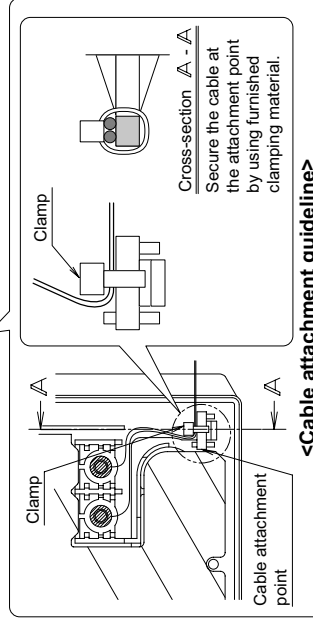
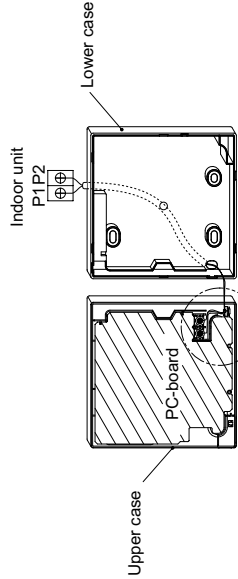


Length of jacket to be removed:

- Approx. 6 inch for top left outlet
- Approx. 8 inch for top center outlet

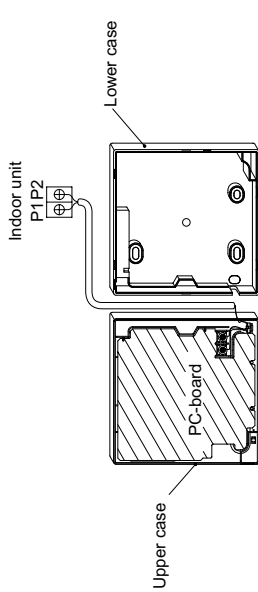
Connect the terminals (P/P1, N/P2) of the remote controller to the terminals (P1, P2) of the indoor unit. (P1 and P2 are not polarity sensitive.)

3-5-1 Back outlet

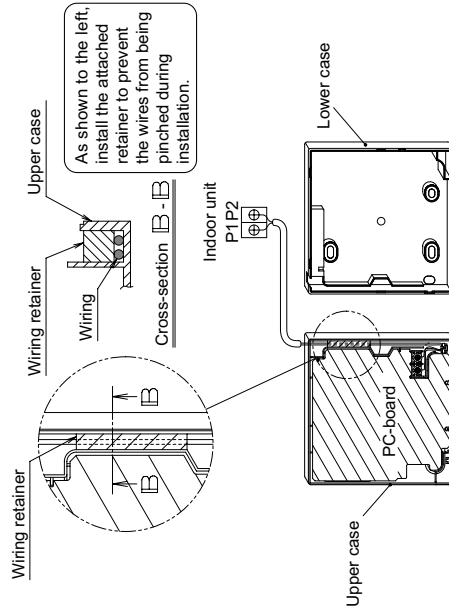


<Cable attachment guideline>

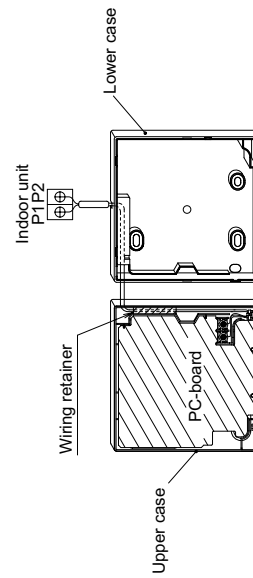
3-5-2 Left outlet



3-5-3 Top left outlet



3-5-4 Top center outlet



NOTE

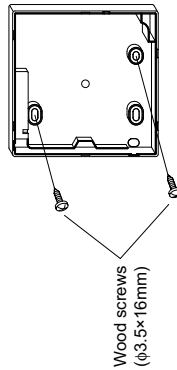
- To prevent electrical noise and possible communication errors, avoid installing the remote controller cabling parallel to or in the vicinity of line voltage circuits.

3-6 Installation procedure for the lower case.

When wiring the remote controller through the top center or rear access points, attachment of the cable to the lower case is required before it is wall mounted. Closely follow the wiring procedures.

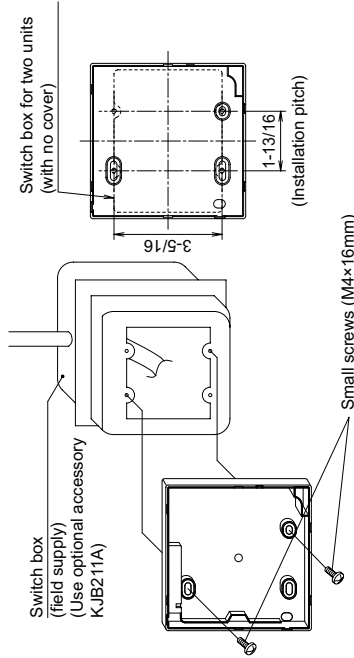
3-6-1 Wall installatin

Secure by using attached wood screws (2 pcs.).



3-6-2 Switch box installation

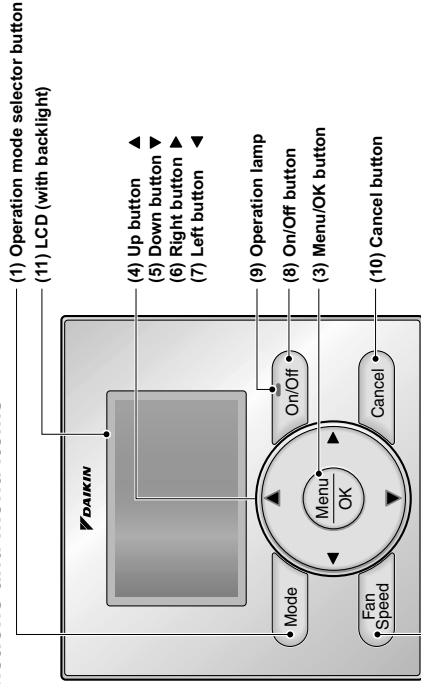
Secure by using attached small screws (2 pcs.).



7.4 Functions and Menu Items of Remote Controller Buttons

4. Functions and menu items of remote controller buttons

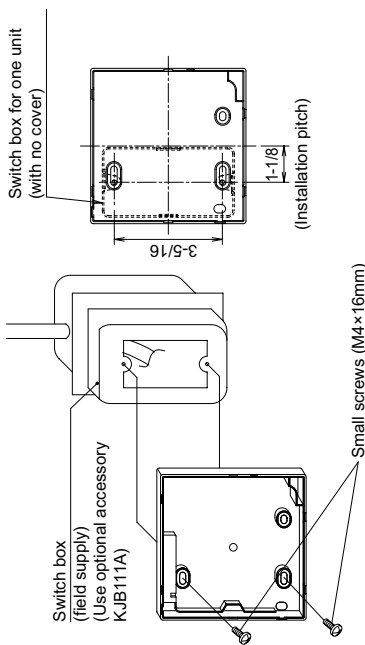
4-1 Functions and menu items



- (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 indicate the main menu.
(For details of the main menu, see the operation manual.)
Used to enter the item selected.
- (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 ◀**
- (8) **On/Off button**
- (9) **Operation lamp**
- (10) **Cancel button**
- (11) **LCD (with backlight)**

Main Menu	
Air Flow Direction	
Ventilation	
Schedule	
Off Timer	
Celsius / Fahrenheit	
Maintenance Information	
Configuration	
Current Settings	
Clock & Calendar	
Daylight Saving Time	
Language	

*Depending on connected model

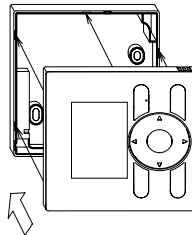


NOTE

- 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.



7.5 Power-on

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 are displayed after power-on.

5-1 <Main remote controller>
Checking the connection.
Please stand by.

5-1 <Sub remote controller>
Checking the connection.
Please stand by.

5-1 Error Code U5
Checking the connection.
Please stand by.

5-2 <Basic screen>
Fan

5-2 Error Code U5
Checking the connection.
Please stand by.

5-2 <Basic screen>
Fan

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 the Operation mode selector button of either one of the remote controllers for 4 seconds or longer.
If the basic screen is not displayed more than 2 minutes after "Sub RC" display, shut off the power supply and check the wiring.

NOTE

When selecting a different language, refer to **12. Language** (See page 21.)

Service Settings menu

- Test Operation
- Maintenance Contact
- Field Settings
- Energy Saving Options
- Prohibit Buttons
- Min. Setpoints Differential
- Outdoor unit AirNet Address
- Error History
- Indoor Unit Status
- Outdoor Unit Status
- Forced Fan ON
- Switch Main Sub Controller
- Filter Indicator
- Brush/Filter Ind.
- Disable Filter Auto Clean

*Depending on connected model

(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 blink 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)

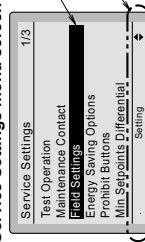
The backlight will illuminate for approximately 30 seconds by pressing any operation button.

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>



Highlighted display (selected items)

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

7.6 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.

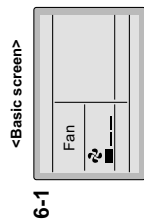
6-3 Highlight the mode, and select desired "Mode No." by using ▲▼ (Up/Down) button.

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 total setting, this operation is not needed.)

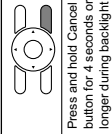
In the case of individual setting per indoor unit, current settings are displayed. And, SECOND CODE NO. " - " means no function.

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 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.

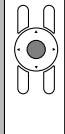
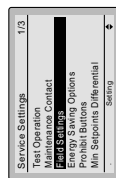


6-1



Press and hold Cancel button for 4 seconds or longer during backlight lit.

6-2



Press Menu/OK button.

6-3

Press Menu/OK button.

Press Menu/OK button.



Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

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Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

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".

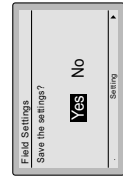
6-9 After all setting changes are completed, press Cancel button twice.

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

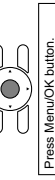
NOTE

- 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.

6-6



6-7



Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

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Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

Press Menu/OK button.

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

7.7 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 installed 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

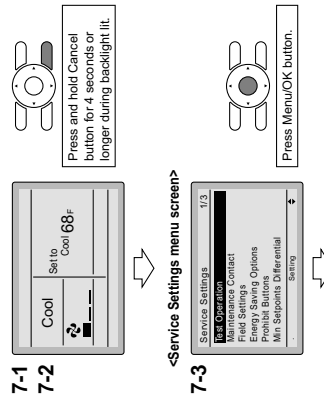
Also see installation manuals attached to the indoor unit and the outdoor unit.

- Check that wiring work 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.

- 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 "Test Operation" is displayed at the button.

Notes for backlight

- The backlight will illuminate for 30 seconds by pressing any button.
- The initial push of the button will only illuminate the backlight. While the backlight is illuminated, the buttons assigned functionality will be available.



- 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-men-

tioned 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 air flow direction function, select

Air Flow Direction in the main menu and check that air flow direction is actuated according to the setting. For operation of air flow direction setting, see the operation manual.

- 7-7** After the operation of air flow 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.

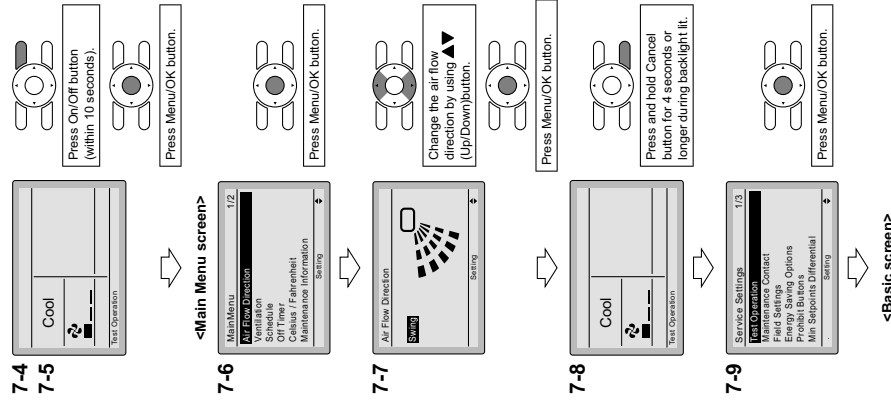
- 7-9** Select **Test Operation** in the service settings menu, and press Menu/OK button. Basic screen returns and normal operation is conducted.

* 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 air conditioner is not operated to prevent contamination from paints, drywall dust and other air borne materials.



7.8 Procedure for Checking Error History

Remote controller display	Description
No display	<ul style="list-style-type: none"> Power outage, power voltage error or open-phase Incorrect wiring (between indoor and outdoor units) Indoor PC-board assembly failure Remote controller wiring not connected Remote controller failure Open fuse or tripped circuit breaker (outdoor unit) Indoor PC-board assembly failure Wrong wiring (between indoor and outdoor units)
"Checking the connection. Please stand by." *	"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.

NOTE

- If operation is not possible due to a malfunction, refer to following **Failure diagnosis method**.
- After the test operation finishes, check that error code history is not displayed in 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 that error code history is not displayed in 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 per the items in the Description column of the following table.
- If an error occurs, "code" is displayed in 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 **"8. Procedure for Checking Error History"**.

English

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English

7.9 Entering Maintenance Contact Information
 7.10 Confirmation Registered Details
 7.11 Clock & Calendar

9. Entering 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.

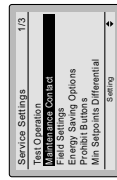
9-6 Select **Yes** and press Menu/OK button.

Setting details are determined and service settings menu screen returns.

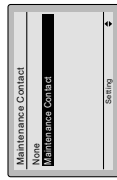
9-7 Press Cancel button once. The basic screen returns.

9-1 <Basic screen>

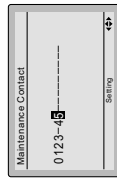
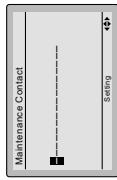
<Service Settings menu screen>



Press Menu/OK button.

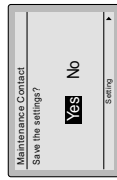


Press Menu/OK button.



Press Menu/OK button.

<Setting confirmation screen>



Press Menu/OK button.

<Service Settings menu screen>

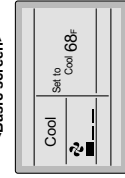
10. Confirmation registered details

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.

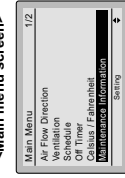
10-2 Press Cancel button twice. The basic screen returns.

10-1 <Basic screen>



Press Menu/OK button.

<Main menu screen>



Press Menu/OK button.



Registered details are displayed.

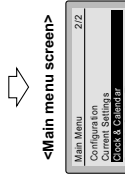
11. Clock & Calendar

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.

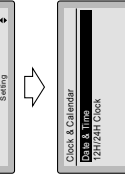
11-2 Press **▲▼** buttons to select "Date & Time" on the clock & calendar screen. * The date & time screen will appear when the Menu/OK button is pressed.

11-1 <Basic screen>



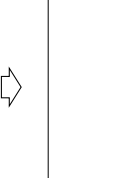
Press Menu/OK button.

<Main menu screen>



Press Menu/OK button.

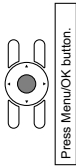
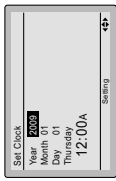
11-2 <Clock & Calendar screen>



Press Menu/OK button.

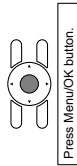
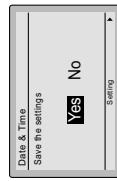
7.12 Language

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.



Press Menu/OK button.

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



Press Menu/OK button.

11-5 Select **Yes** and press Menu/OK button. Setting details are confirmed and basic screen returns.

<Basic screen>

* If duration of power outage exceeds 48 hours, reset is needed.

12. Language

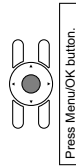
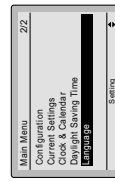
12-1 Press Menu/OK button in the basic screen. Main menu is displayed.

<Basic screen>



Select **Language** in the main menu, press Menu/OK button.

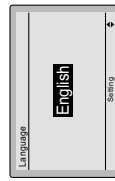
<Main Menu screen>



Press Menu/OK button.

12-2 Press **▲▼** (Up/Down) buttons to select "Language" on the language screen. Pressing Menu/OK button. Setting details are confirmed and basic screen returns.

<Language screen>



Warning



- Daikin Industries, Ltd.'s products are manufactured for export to numerous countries throughout the world. Daikin Industries, Ltd. does not have control over which products are exported to and used in a particular country. Prior to purchase, please therefore confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

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.



JMI-0107

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, COMMERCIAL HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, MARINE TYPE CONTAINER REFRIGERATION UNITS, COMPRESSORS AND VALVES.



JQA-1452

Organization:
DAIKIN INDUSTRIES
(THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM



All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Dealer

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