

Engineering Data

Navigation Remote Controller (Wired Remote Controller) BRC1E73



Contents

1.	Spec	cifications	2
2.	Dime	ensions	3
3.	Rest	rictions	4
4.	Ope	ration Manual	5
	4.1	Safety Considerations	6
	4.2	Button Locations and Descriptions	8
	4.3	Names and Functions	10
	4.4	Basic Operation	14
	4.5	Quick Reference	24
	4.6	Menu Options	26
	4.7	Maintenance	52
	4.8	Reference Information	54
5.	Insta	Illation Manual	56
	5.1	Safety Considerations	57
	5.2	Accessories	59
	5.3	Remote Controller Installation Procedure	59
	5.4	Functions and Menu Items of Remote Controller Buttons	65
	5.5	Power-on	67
	5.6	Field Settings	68
	5.7	Test Operation	70
	5.8	Procedure for Checking Error History	73
	5.9	Adding Maintenance Contact Information	74
	5.10	Confirming Registered Details	75
	5.11	Clock & Calendar	75
	5.12	Language	76

1. Specifications

		New Remote Controller BRC1E73		
Dimension $(H \times W \times D)$ in.		4'3/4" × 4'3/4" × 3/4"		
	Display size ($H \times W$)	in.	1'25/32" × 2'13/16"	
LCD	Display method		Full dot method (dot 160 × 255)	
	Backlight		Yes (Background color: white)	
Color		Fresh white		

C: 3D091305A







3. Restrictions

1. In the case of 2 remote control system.

		Main			
		BRC1E73	BRC1E72	Wireless BRC4*** BRC7***	
	BRC1E73	√	-	-	
0.1	BRC1E72	-	✓	-	
Sub	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.

<Restriction for VRV only>

Adaptor for wiring (KRP1C*) or power supply adaptor for indoor unit PCB (X18A or X35A) cannot be used for 2 remote controller system.

- When controlling 2 remote controllers, the following functions cannot be set with the sub remote controller.
 - Schedule
 - Auto Changeover
 - Setback
 - Dual Setpoint

(For the details, refer to P.25.)

2. In the case of Centralised remote controller connection.

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

4. Operation Manual

	Sofaty Considerations II and a sub-	~
NOTICES	Button Locations and Descriptions	2 4
Basic Operation	Cool/Heat/Auto/Fan Operation	10
	Dry Mode	13
	Setback	14
	Ventilation Mode	15
	Setting the Cool / Heat Changeover Master	16
	Key Lock	19
Quick Reference	Main Menu Items	20
Menu Options	Navigating the Main Menu Screen	22
	Airflow Direction	23
	Individual Airflow Direction	25
	Ventilation	28
	Schedule	30
	Off Timer	35
	Maintenance Information	37
	Configuration	38
	Current Settings	42
	Clock & Calendar	42
	Daylight Saving Time	45
	Language	48
Maintenance	Reset Filter Indicator	48
	Maintaining the Unit and LCD Display	49
Reference Information	Error Code Display	50
	After-sale Service	51

4.1 Safety Considerations



English





English

3

4.2 Button Locations and Descriptions



1. Operation mode selector button

 Press this button to select the operation mode of your preference. (See page 10.)
 * Available modes vary with the indoor unit model.

2. Fan speed control button

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

3. Menu/OK button

- Used to enter the main menu. (See page 20 for the menu items.)
- Used to enter the selected item.

4. Up button 🔺

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

5. Down button **V**

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

6. Right button ►

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

7. Left button ◀

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

8. On/Off button

- Press this button and system will start.
- Press this button again to stop the system.

9. Operation lamp

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

10.Cancel button

• Used to return to the previous screen.

11.LCD (with backlight)

- The backlight will be illuminated for approximately 30 seconds by pressing any button.
- If two remote controllers are used to control a single indoor unit, only the controller accessed first will have backlight functionality.

5

4.3 Names and Functions





Names and Functions

1. Operation mode

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

2. Fan Speed

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

3. Setpoint

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

4. Stand by for Defrost/Hot start

" STANDBY " (See page 12.)

If ventilation icon is displayed in this field:

 Indicates that an energy recovery ventilator (ERV) is connected.
 For details, refer to the Operation Manual

of the ERV.

5. Message

The following messages may be displayed. "This function is not available"

- Displayed for a few seconds when an Operation button is pressed and the indoor unit does not provide the corresponding
- unit does not provide the corresponding function.In a remote control group, the message will
- not appear if at least one of the indoor units provides the corresponding function.

"Error: Push Menu button" "Warning: Push Menu button"

- Displayed if an error or warning is detected (see page 50).
- "Time to clean filter"
- "Time to clean element"
- "Time to clean filter & element"
- Displayed as a reminder when it is time to clean the filter and/or element (see page 48).

6. Ventilation

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

7. - Key Lock (See page 19.)

• Displayed when the key lock is set.

8. ④ Scheduled (See page 30.)

• Displayed if the Schedule or Off timer is enabled.

9. Under Centralized control " CENTRAL "

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

10.Changeover controlled by the

master indoor unit " CONTROLLED "

(VRV only)Displayed when another indoor unit on the system has the authority to change the

operation mode between cool and heat.

English

11. Setback " SETBACK " (See page 14.)

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

12. Airflow Direction "." "

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

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

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

14.Selectable Display Item

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

15. X Unable to schedule

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

English

9

4.4 Basic Operation





Basic Operation

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

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



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



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

Note

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

Characteristics of Heat Mode

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

Defrost operation	 The system will automatically go into defrost operation to prevent frost accumulation at the outdoor unit and subsequent loss of heating capacity. The indoor unit fan will stop, and " STANDBY " will be displayed on the remote controller. The system will finish the Defrost operation and return to normal usually within six to eight minutes. It won't last for more than ten minutes.
Hot start	• When the system starts heating operation, the indoor unit fan will operate with a delay in order to prevent a cold draft. (In that case, " <u>STANDBY</u> " will be displayed on the remote controller.)
12	English



Basic Operation



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

Note



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

Characteristic of Dry mode

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



Setback

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

Note

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

14

English







Basic Operation

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	1	1		✓	
Dry mode	1	1		~	
Heat mode			1	~	
Fan mode				~	
Auto mode (Cooling operation)	1	1		1	
Auto mode (Heating operation)			1	1	

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)



4.5 Quick Reference

Quick Reference

■The main menu has the following items.

Menu item		Description	Reference page
Airflow Direction		 Used to configure airflow direction settings. The airflow direction louver is automatically operated up and down (left and right). The fixed airflow directions are configurable for five positions. * This function is not available on all indoor unit models. 	23
Individual	Louver Setting	Set the airflow direction individually for each of the 4 louvers. • Maximum 16 units (unit 0 till 15).	25
Direction (depends on	Louver Setting List	Setting table for louver.	26
indoor unit model)	Reset All Louvers Position	Reset all louvers to factory default setting.	27
Ventilation Ventilation	Ventilation Rate	Used to set "Low" or "High"	28
for energy recovery ventilator		Used to set Auto, ERV, or Bypass.	29
Schedule	Daily Patterns	• Day settings are selected from four patterns, i.e., "7Days", "Weekday/Sat/Sun", "Weekday/Weekend", and "Everyday".	31
	Settings	 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. 	32
Off Timer		Used to set the run-time for the indoor unit using this controller. • Possible to set in 10 minute increments from 20 to 190 minutes	
Celsius / Fahr	enheit	• Used to select whether temperature values will be displayed in Celsius or Fahrenheit.	_

20

English

м	enu item	Description	Reference page	
Filter Auto Clean		Set the time when the filter needs to be automatically cleaned. For the detailed operation refer to the Operation Manual of the self cleaning decoration panel.	_	
Maintenance I	nformation	Used to display the maintenance information.	37	
Configuration	Draft Prevention (Only available with Occ. sensor installed indoor unit model)	The draft prevention function can be enabled or disabled . When enabled, the Occ. sensor will adjust the louver's position to prevent air blowing directly on occupant.	38	
	Contrast Adjustment	Used to make LCD contrast adjustment.	39	
	Display	 Used to set the display mode. Display mode Standard, Detailed, or Simple display Detailed and Simple displays provide the 	40	
		selectable display item among Room Temp, System, None or Outside Air Temp.		
Current Settin	igs	• Used to display a list of current settings for available items.	42	
Clock & Calendar	Date & Time	Used to configure date and time settings and corrections.		
		 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. 	42	
	12H/24H Clock	The time can be displayed in either a 12 hour or a 24 hour time format.	45	
Daylight Savir	ng Time	Used to adjust the clock in observance of daylight saving time.	45	
Language		The display language can be selected between English, Francais, or Espanol.	48	

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



4.6 Menu Options

2 Image: Constraint of the main menu screen is displayed. Main menu screen Instructions for navigating the main menu will appear. Selecting items from the main menu. Press VA buttons to select the desired item to be set. Press Menu/OK button to display the details for the selected item. 4 To go back to the basic screen from the main menu. To go back to the basic screen from the main menu, press Cancel button. Note
Main menu screen Instructions for navigating the main menu will appear. Selecting items from the main menu. Press ▼▲ buttons to select the desired item to be set. Press Menu/OK button to display the details for the selected item. To go back to the basic screen from the main menu, press Cancel button. Note Note Note Instructions for navigating the main menu. Selecting items from the main menu. Press Menu/OK button to display the details for the selected item. To go back to the basic screen from the main menu, press Cancel button. Instructional button Instructiona button Instructiona button In
 Selecting items from the main menu. Press VA buttons to select the desired item to be set. Press Menu/OK button to display the details for the selected item. To go back to the basic screen from the main menu, press Cancel button.
4 • To go back to the basic screen from the main menu, press Cancel button.
Note
• If a button is not pressed for 5 minutes during configuration, the controller will automatically revert to the basic screen.











<section-header><section-header><section-header><complex-block><complex-block></complex-block></complex-block></section-header></section-header></section-header>	Operating condition	 Room temperature is higher than the remote controller's heating operation). When defrosting (in heating operation). (The airflow discharges horizontally to avoid creating a discussion occupants.) Under continuous operation with the airflow discharging heating is a second seco	setpoint (in raft for the room norizontally.
Unitation genetion Image: setting the setting of the setting setting the setting setting the set of the set set set set set set set set set se	Ventilation	 n screen display properties Display the main menu screen. (See page 22.) Press V▲ 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 Operation 1 <u>Ventilation Refe</u> Ventilation Mode <u>Setting</u>	 the ventilation rate 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. 	



Menu Options



• Selecting and confirming the desired ventilation mode will take you back to the basic screen. (Pressing **Cancel** button takes you back to the

(Pressing **Cancel** button takes you back to the previous screen without changing the ventilation mode.)

Ventilation Mode				
Auto mode	Using information from the indoor unit (cool, heat, fan, and setpoint) and the energy recovery ventilator unit (indoor and outdoor temperatures), the ventilation mode is automatically changed between ERV and Bypass.			
ERV mode	Outside air is passed through the ERV core and is supplied to the conditioned space.			
Bypass mode	Outside air is supplied to the conditioned space without passing through the ERV core.			

Schedule

Setting the schedule

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



• Display the main menu screen. (See page 22.)

Press ▼▲ buttons to select Schedule
 Press Menu/OK button to display the schedule screen.



30

English




3P243520-7N



 Finabling or disabling the schedule Cperation Perset Stable schedule screen. (See page 30.) Preset A buttons to select Inable/Disable on the schedule Preset Menu/OK button to display the enable/disable screen. Preset Menu/OK button to display the enable/disable screen. Preset Menu/OK button screen is displayed. Preset Menu/OK button after selecting the item. The confirmation screen is displayed. Preset Menu/OK button screen is displayed. Preset Menu/OK button confirms the enable/disable screen. Preset Menu/OK button after selecting the item. The confirmation screen is displayed. Preset Menu/OK button confirms the enable/disable screen. Preset Menu/OK button confirms the enable/disable screen. Preset Menu/OK button after selecting the item. The confirmation screen is displayed. Preset Menu/OK button confirms the enable/disable setting for the schedule and takes you back to the basic screen. Pressing Menu/OK button confirms the enable/disable setting for the schedule and takes you back to the basic screen. 	6 Save the settings?	 Press <> buttons to select Yes on the confirmation screen. Pressing Menu/OK button confirms the settings for each day and takes you back to the basic screen. 	
1 Image: Statute stress 2 Image: Statute stress 2 Image: Statute stress 0 Press VA buttons to select Image: Statute stress Image: Statute stress 0 Press VA buttons to select Image: Statute stress Image: Statute stress 0 Press VA buttons to select 1 Image: Statute stress 2 Image: Statute stress 0 Press VA buttons to select 1 Press Menu/OK button after selecting the item. The confirmation screen is displayed. 3 Image: Notice Statute stress 1 Press VA buttons to select Yes on the confirmation screen. 1 Pressing Menu/OK button confirms the enable/disable setting for the schedule and takes you back to the basic screen.	Enabling or dis	abling the schedule	
2 Schedule reble/Disable setting setting • Press VA buttons to select Enable or Disable on the enable/disable screen. Press Menu/OK button after selecting the item. The confirmation screen is displayed. • Press I buttons to select Ves on the confirmation screen. Pressing Menu/OK button confirms the enable/disable setting for the schedule and takes you back to the basic screen.	Schedule Construction Construction Construction Settings Setting \$	 Display the schedule screen. (See page 30.) Press ▼▲ buttons to select Enable / Disable on the schedule screen. Press Menu/OK button to display the enable/disable screen. 	
3 Schedule Save the settings? ► 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.	2	 Press VA buttons to select Enable or Disable on the enable/disable screen. Press Menu/OK button after selecting the item. The confirmation screen is displayed. 	
	3	 Press ◀► buttons to select Yes on the confirmation screen. Pressing Menu/OK button confirms the enable/disable setting for the schedule and takes you back to the basic screen. 	



<complex-block>1Image: Series•Navigate to the off timer screen. (See page 35.)•Press VA buttons to select Enable/Disable on the off timer screen. Press Menu/OK button to display the enable/disable screen.Image: Series2Image: Series Series•Press VA buttons to select Enable or Disable on the enable/disable screen.Image: Series2Image: Series Series•Press VA buttons to select Enable or Disable on the enable/disable screen. Press Menu/OK button after selecting the item. Then the confirmation screen is displayed.Image: Series Image: Series3Image: Series Series Series•Press I button to select Imable on the confirmation screen Disable on the enable/disable screen. Press Menu/OK button after selecting the item. Then the confirmation screen is displayed.Image: Series Series3Image: Series</complex-block>	<complex-block><complex-block></complex-block></complex-block>	Operation		
2	<image/> <complex-block><complex-block><complex-block><complex-block><complex-block></complex-block></complex-block></complex-block></complex-block></complex-block>	Off Timer Enable/Disable Settings	 Navigate to the off timer screen. (See page 35.) Press ▼▲ buttons to select Enable/Disable on the off timer screen. Press Menu/OK button to display the enable/disable screen. 	
3 Save the settings? Setting	3	2 Coff Timer Enable/Disable Disable Setting \$	 Press VA buttons to select Enable or Disable on the enable/disable screen. Press Menu/OK button after selecting the item. Then the confirmation screen is displayed. 	
		3	 Press <> button to select Yes on the confirmation screen. Pressing Menu/OK button confirms the enable/disable for the off timer and takes you back to the basic screen. 	



1 1	 1 <u>Main Menu 2/3</u> Filter Auto Clean Maintenance Information <u>Configuration</u> Clock & Calendar Daylight Saving Time ◆ Press ▼▲ buttons to select <u>Configuration</u> and press Menu/OK button. 	
<image/> 2 vertice and press and		
 3 Interpretention Enable/Disable or Disable or Disab	Configuration Draft Prevention Contrast Adjustment Display Setting ◆ Press ▼▲ buttons to select Draft Prevention and press Menu/OK button.	
 4 Draft Prevention Save the settings? Press ▲> buttons to select Yes Press Menu/OK button to confirm the settings and to return to the basic screen. 	 3 Draft Prevention Enable/Disable Enable or Disable . The confirmation screen will appear when Menu/OK button is pressed. 	
	 4 Draft Prevention Save the settings? ▶ Press ▲▶ buttons to select Yes ▶ Press Menu/OK button to confirm the settings and to return to the basic screen. 	

Operation	ajustment	_
Configuration Draft Prevention Contrast Adjustment Display Setting	 Navigate to the configuration screen. (See page 38.) Press V▲ buttons to select Contrast Adjustment on the configuration screen. Press Menu/OK button to display the contrast adjustment screen. 	
2 Contrast Adjustment Dark Light Setting	 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. 	
		_









7 Date & Time Year 2016 Day 7 Friday 12:20:- • Select Minute with ◀► buttons. Change the minute with ▼▲ buttons. Holding down the button causes the number to change continuously. • Press Menu/OK button. The confirmation screen will appear. Note: The date can be set between January 1, 2015 and December 31, 2099.
 8 Late & Time Sive the settings? Setting Normation screen. Press Menu/OK button to confirm the clock and return to the basic screen. * When setting the schedule, the display returns to the settings screen.
44 English

• Press ▼▲ buttons to select 12H/24H Clock on the clock & calendar screen. The 12H/24H clock screen will appear when Menu/OK button is pressed.
2 By default, the time display is set to the 12H format. • Press ▼▲ buttons to select 12H 24H on the 12H/24H clock screen. • The confirmation screen will appear when Menu/OK button is pressed.
3 Save the settings? Save the settings? Setting No Setting Se
 3 Lativity Clock Press < ▶ buttons to select Yes on the confirmation screen. Pressing Menu/OK button confirms the 12H or 24H and takes you back to the basic screen. Daylight Saving Time How to display Daylight Saving Time Operation 1 Min Menu 27 Filter Auto Clear Management of the main menu screen. (See page 22.) • Press V▲ buttons to select Daylight Saving Time on the

Operation		
Daylight Saving Time Enable/Disable DST Dates	 Display the daylight saving time screen. (See page 45.) Press ▼▲ buttons to select Enable/Disable on the daylight saving time screen. Press Menu/OK button to display the enable/disable screen. 	
2 Daylight Saving Time Enable/Disable Disable Setting	 Press V▲ buttons to select Enable or Disable on the enable/disable screen. Press Menu/OK button to display the setting confirmation screen. 	
3 Daylight Saving Time Save the settings? Mess No Setting	 Press ◄► buttons to select Yes on the setting confirmation screen. Pressing Menu/OK button confirms the daylight saving time enable/disable setting and takes you back to the basic screen. 	
Setting the dat	e	
Defration Daylight Saving Time Enable/Disable DST Dates Setting	 Display the daylight saving time screen. (See page 45.) Press ▼▲ buttons to select DST Dates on the daylight saving time screen. Press Menu/OK button to display the duration setting screen. 	

<image/> <complex-block><complex-block><complex-block></complex-block></complex-block></complex-block>	Start Merch 2nd Sunday End November 1st Sunday Setting (*)	 Press ▼▲ buttons to select the start month and the end month. Press ◀▶ buttons to select a week. Press ▼▲ buttons to select the start week and the end week. 	
Image: A strain of the set o	Daylight Saving Time Start March Znd Sunday End November 1st Sunday Setting	 After setting the Start and End dates, press Menu/OK button to display the setting confirmation screen. 	
When Daylight Saving Time is enabled When the time in the remote controller reaches 2:00 a.m. on the specified start date, the clock is automatically set forward by one hour. When the time in the remote controller reaches 2:00 a.m. on the end date, the clock is automatically set back by one hour.	3 Daylight Saving Time Save the settings? Mess No Setting	 Press ◀► buttons to select Yes on the setting confirmation screen. Pressing Menu/OK button confirms the Daylight Saving Time settings and takes you back to the basic screen. 	× ×
	When Daylight Saving When the time in the remote co automatically set forward by one the end date, the clock is autom	g Time is enabled ntroller reaches 2:00 a.m. on the specified start date, e hour. When the time in the remote controller reaches natically set back by one hour.	the clock is s 2:00 a.m. on

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4.7 Maintenance

<section-header><section-header><section-header><complex-block><table-container><table-container><table-container></table-container></table-container></table-container></complex-block></section-header></section-header></section-header>	Language		D
<section-header> 1 Display the main menu screen. (See page 22.) Press VA buttons to select Derss VA buttons to select Inguage on the main menu screen and press Menu/OK button. Image of the main menu screen and press Menu/OK button. 2 Image on the language screen. English/Français/Español are available. Image of the basic screen. English/Français/Español are available. Press Menu/OK button to confirm the settings and return to the basic screen. Materna Menu/OK button to confirm the settings and return to the basic screen. Menu/OK button to confirm the settings and return to the basic screen. Menu/OK button to confirm the settings and return to the basic screen. Menu/OK button to confirm the settings and return to the basic screen. Menu following messages will be displayed on the bottom of the basic screen. Ime to clean filter Time to clean filter Time to clean filter & element Time to clean filter & element Time to clean filter & element Time to clean element Overation "Mean time to clean or replace the filter or element. For details, refer to the operation manual supplied with the indoor unit.</section-header>	■Selectable Lan	iguages	_
 1 Image and the main menu screen. (See page 22.) Press VA buttons to select Image on the main menu screen and press Menu/OK button. Press VA 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. Mainteenance Mainteenance Mai	Operation		
2 Image: Im	Main Menu 3/3 Languago	 Display the main menu screen. (See page 22.) Press V▲ buttons to select Language on the main menu screen and press Menu/OK button. 	
Maintenance Deration 1 Image: Set	2 English	 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. 	
 When it is time to clean or replace the filter, one of the following messages will be displayed on the bottom of the basic screen. Time to clean filter Time to clean filter & element Time to clean element * This is not displayed when Simple display is set. Wash, clean, or replace the filter or element. For details, refer to the operation manual supplied with the indoor unit. 	Maintenan	се	
Time to clean filter & element Time to clean element * This is not displayed when Simple display is set. • Wash, clean, or replace the filter or element. For details, refer to the operation manual supplied with the indoor unit.	Maintenan Reset Filter In	CC dicator	
 Wash, clean, or replace the filter or element. For details, refer to the operation manual supplied with the indoor unit. 	Maintenan Reset Filter In Operation 1 1	CC dicator • When it is time to clean or replace the filter, one of the following messages will be displayed on the bottom of the basic screen. Time to clean filter	
manual supplied with the indoor unit.	Maintenan Reset Filter In Operation 1 1	CC dicator • When it is time to clean or replace the filter, one of the following messages will be displayed on the bottom of the basic screen. Time to clean filter Time to clean filter Time to clean filter & element Time to clean element * This is not displayed when Simple display is set.	
	Maintenan Reset Filter In Operation 1 Cool Set 0 74 F Transferred Filter	CC dicator • When it is time to clean or replace the filter, one of the following messages will be displayed on the bottom of the basic screen. Time to clean filter Time to clean filter & element Time to clean filter & element Time to clean element * This is not displayed when Simple display is set.	



4.8 Reference Information





5. Installation Manual

Contents

1.	Safety Considerations 2
2.	Accessories 4
3.	Remote Controller Installation Procedure4
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.	Adding Maintenance Contact Information 19
10.	Confirming Registered Details 20
11.	Clock & Calendar 20
12.	Language 21

English

3P243521-7L

1

5.1 Safety Considerations

1. Safety Considerations

The original instructions are written in English. All other languages are translations of the original instructions.

All phases of the field-installation, including, but not limited to, electrical, piping, safety, etc. must be in accordance with manufacturer's instructions and must comply with national, state, provincial and local codes.

Read these SAFETY CONSIDERATIONS carefully before installing the remote controller.

After completing the installation, ensure that the remote controller operates properly during the startup operation.

Train the customer to operate and maintain the remote controller. Inform customers that they should store this Installation Manual with the Operation Manual for future reference.

Always use a licensed installer or contractor to install this product. Improper installation can result in electrical shock, fire, or explosion.

Meanings of WARNING, CAUTION, and NOTE Symbols.

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

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

2

English



5.2 Accessories

5.3 Remote Controller Installation Procedure



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

3-4-1 Back outlet



Cut off resin area (notched area).

3-4-3 Top left outlet



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

3-4-2 Left outlet



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

3-4-4 Top center outlet



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

3-5 Install wiring.



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

Wiring Specifications

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

English

5







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. \sim r_o 0 English 9

5.4 Functions and Menu Items of Remote Controller Buttons

4. Functions and Menu Items of Remote Controller Buttons

4-1 Functions and menu items



3P243521-7L

10

(7) Left button ◀

- Used to highlight items to the left of the currently selected item.
- Display contents are changed to previous screen per page.

(8) On/Off button

Press once to operate, and press once again to stop.

(9) Operation lamp

Green lamp lights up during operation. The lamp will flash if a malfunction occurs.

(10) Cancel button

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

(11) LCD (with backlight)

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

Service Settings menu

Test Operation Maintenance Contact Field Settings *Energy Saving Options Prohibit Function 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

- 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.

English

11

5.5 Power-on



5.6 Field Settings



- 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.

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

14

English

5.7 Test Operation

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

7. Test Operation

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

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

- Notes for backlight -

- The backlight will be ON for 30 seconds by pressing any button.
- The initial push of the button will only turn on the backlight. While the backlight is turned on, the buttons assigned functionality will be available.
- **7-1** Set the operation mode to cooling by using the remote controller.
- **7-2** Press and hold **Cancel** button for 4 seconds or longer. Service settings menu is displayed.
- **7-3** Select Test Operation in the service settings menu, and press Menu/OK button. Basic screen returns and message "Test Operation" is displayed at the bottom.

English


- 7-4 Press On/Off button within 10 seconds, and the test operation starts. Monitor the operation of the indoor unit for a minimum of 10 minutes. During test operation, the indoor unit will continue to cool regardless of the temperature setpoint and room temperature.
 - * Note) In the case of above-mentioned procedures **7-3** and

7-4 in reverse order, test operation can start as well.

- 7-5 Press Menu/OK button in the basic screen. Main menu is displayed.
- 7-6 In the case of a model having airflow direction function, select
 Airflow Direction in the main menu and check that airflow direction is actuated according to the setting. For operation of airflow direction setting, see the operation manual.
- **7-7** After the operation of airflow direction is confirmed, press **Menu/OK** button. Basic screen returns.
- 7-8 Press and hold Cancel button for 4 seconds or longer in the basic screen. Service settings menu is displayed.
- 7-9 Select Test Operation in the service settings menu, and press Menu/OK button. Basic screen returns and normal operation is conducted.
 * Note) The test operation will automatically finish in 30 minutes.
- 7-10 Check the functions according to the operation manual.
- **7-11** When the decorative panel is not installed, shut off the power supply after the test operation finishes.
- If construction activities are planned within the space following the test operation procedure, recommend to the customer that the indoor unit is not operated to prevent contamination from paints, drywall dust and other airborne materials.



3P243521-7L

16



5.8 Procedure for Checking Error History

Remote controller display	Description
No display	 Power outage, power voltage error or open-phase Incorrect wiring (between indoor and outdoor units) Indoor printed-circuit board assembly failure Remote controller wiring not connected Remote controller failure Open fuse or tripped circuit breaker (outdoor unit)
Checking the connection. Please stand by. *	 Indoor printed-circuit board assembly failure Wrong wiring (between indoor and outdoor units)

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

8. Procedure for Checking Error History

- **8-1** Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.
- 8-2 Select Error History in the service settings menu, and press Menu/OK button. The error history menu screen is displayed.
- 8-3 Select <u>RC Error History</u> in the error history menu, and press <u>Menu/OK</u> 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.
- 8-1 <Basic screen> $\overline{}$ <Service settings menu screen> 8-2 Service Settings 2/3 Outdoor unit AirNet Addres Indoor Unit Status Outdoor Unit Status Forced Fan ON Switch Main Sub Controller Press Menu/OK button Setting 8-3 Error History RC Error History Indoor unit Error History Press Menu/OK button. 8-4 RC Error History 1/3 8-5 Frror Date Time Unit No. Latest record

English

3P243521-7L

18

5.9 Adding Maintenance Contact Information



5.10 Confirming Registered Details

5.11 Clock & Calendar



5.12 Language





- 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.