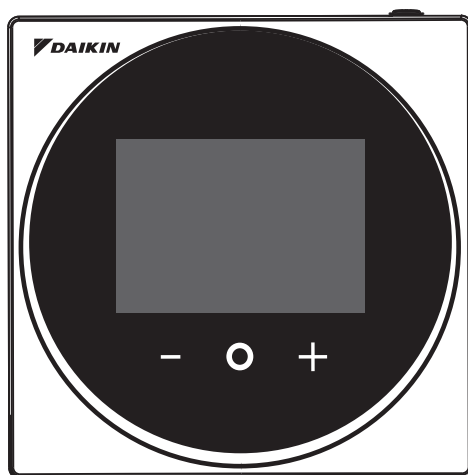




# Wired Remote Controller

## Installation Manual



MODEL BRC1H61W/BRC1H61K

- Be sure to read before conducting the installation of this product, and conduct installation according to this manual.
- Refer to this manual together with the installation manual of the indoor unit.

**It is possible to perform settings of some functions from a smart phone app.**

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# Safety Precautions

■ Also refer to installation manual attached to the indoor unit.

Please read these “Safety Precautions” carefully before installing the remote controller.

- This manual classifies the precautions into WARNINGS and CAUTIONS.  
Be sure to follow all the precautions below: They are all important for ensuring safety.
- After completing installation, conduct a test operation to check for faults and explain to the customer how to operate the remote controller and cleaning of it with the aid of the operation manual. Ask the customer to store the installation manual along with the operation manual for future reference.

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

 <b>WARNING</b>
Ask your dealer or qualified personnel to carry out installation work. Do not attempt to install the remote controller yourself. Improper installation may result in electric shocks or a fire.
Consult your local dealer regarding relocation and reinstallation of the remote controller. Improper installation may result in electric shocks or a fire.
Install the remote controller in accordance with the instructions in this installation manual. Improper installation may result in electric shocks or a fire.
Be sure to use only the specified accessories and parts for installation work. Failure to use the specified parts may result in the remote controller falling down, electric shocks or a fire.
Install the remote controller on a foundation that can withstand its mass. Insufficient strength may result in the remote controller falling down and causing injury.
Make certain that all electrical work is carried out by qualified personnel according to the applicable legislation (note 1) and this installation manual, using a separate circuit. In addition, even if the wiring is short, make sure to use a wiring that has sufficient length and never connect additional wiring to make the length sufficient. Insufficient capacity of the power supply circuit or improper electrical construction may lead to electric shocks or a fire. (note 1) applicable legislation means “All international, national and local directives, laws, regulations and/or codes which are relevant and applicable for a certain product or domain”.
Turn off the power before performing installation work. Touch with live parts may cause electric shocks.
Do not disassembly, reconstruct or repair. Electric shock or a fire may cause.
Make sure that all wiring is secured, using the specified wirings and ensuring that external forces do not act on the terminal connections or wirings. Improper connections or fixing may cause an overheat or a fire.
The choice of materials and installations must comply with the applicable national and international standards.

## ⚠ CAUTION

To avoid electric shocks due to entry of water or insects, fill the wiring through hole with putty.

Do not operate with wet hands to avoid electric shocks.

Do not wash the remote controller with water.

It may result in electric shocks or a fire.

Install the air conditioner, power supply wiring, remote controller wiring and transmission wiring at least 1 meter away from televisions or radios to prevent image interference or noise.  
(Depending on the radio waves, a distance of 1 meter may not be sufficient to eliminate the noise.)

Do not install the remote controller in the following locations:





1. Where there is oil mist, oil spray or vapour for example a kitchen.  
Resin parts may deteriorate and fall off.
2. Where corrosive gas, such as sulphurous acid gas, is produced.
3. Where there is machinery which emits electromagnetic waves.  
Electromagnetic waves may disturb the control system, and cause a malfunction of the equipment.
4. Where flammable gas may leak, where there is carbon fibre or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled.  
Operating the unit in such conditions may result in a fire.
5. High temperature area or directly flamed point.  
It may cause an overheat or a fire.
6. Moist area, or place where may be exposed to water.  
If water enters inside of the remote controller, electrical components may fail.  
It may result in electric shocks or a fire.

When remote controller's thermostat sensor is used, select the installation location considering the followings.

- A place where average temperature in the room can be detected.
- A place where is not exposed to direct sunlight.
- A place where is far apart from heat source.
- A place where is not affected by outdoor air due to door opening/closing or the like.

## Accessories

The following accessories are included.

Cross recessed round head wood screw	Drywall anchor	Operation Handbook	Installation Handbook
 (2 pcs.)	 (2 pcs.)	 (1 pc.)	 (1 pc.)



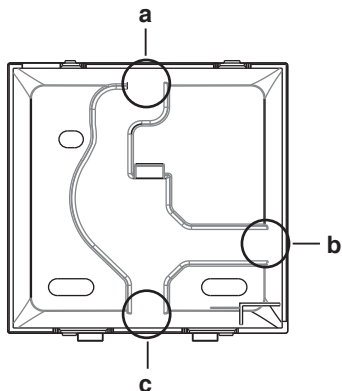


## Determining the wire routing direction for the back plate

Before mounting the controller, determine the wiring direction and remove a piece of the controller's back plate accordingly (i.e.: a, b, c). The wiring can be routed from the top, the left, or the bottom of the back cover. Remove a piece of the back plate according to the following figure.

After removing a thin piece with a tool such as clippers, remove burrs using a file, etc.

- a** Wiring from top
- b** Wiring from left
- c** Wiring from bottom



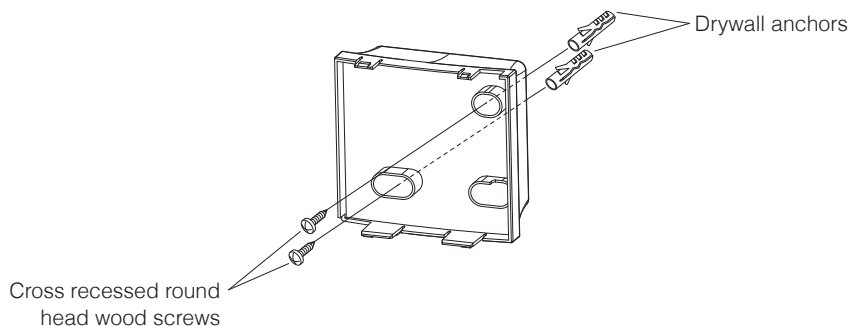
### CAUTION

In case you are routing the wiring from the rear, you don't have to remove anything. When routing the wiring from the top, rear, left, or bottom, be sure to route the wiring to the upper casing before securing the back plate.

## Securing the back plate

### Wall installation

- 1: Take the cross recessed round head wood screws and drywall anchors out of the accessory bag.
- 2: Mount the back plate to a flat surface.



---

### CAUTION

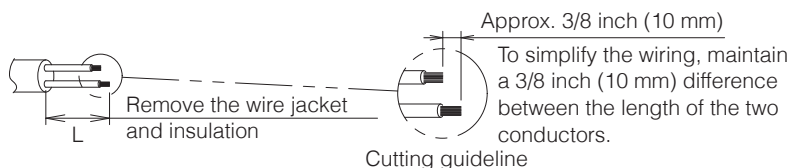
- Install the controller on a flat surface only.
  - To prevent deformation of the back plate, avoid over-tightening the installation screws.
  - If tightened too much, the back plate will be deformed and the upper casing will come off easily. If the upper casing comes off easily, loosen the screws and correct the deformation.
-

## Connecting the electrical wiring

All wiring must comply with the following requirements:

Wire specification	Value
Wiring type	Non-shielded, 2-conductor, Stranded copper wire
Wiring size	AWG-18
Wiring length	Maximum 1640 feet (500 m)

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



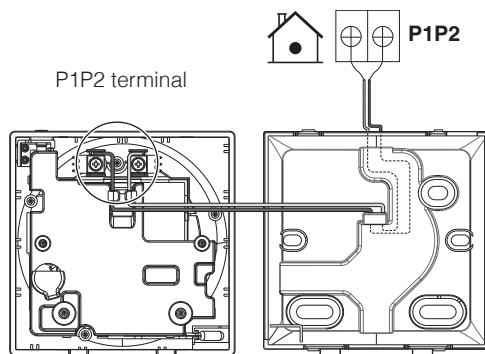
Wiring outlet	L
Top	±5.5 inch (140 mm)
Left	±4.3 inch (110 mm)
Bottom	±3.5 inch (90 mm)
Rear	No requirements

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

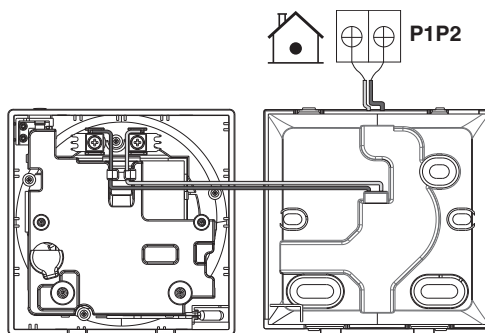
### CAUTION

- Before working, shut off all power supplies.
- A mounting plate for installing the remote controller and remote controller wiring are not included.
- Do not touch the remote controller circuit board directly with your hands.

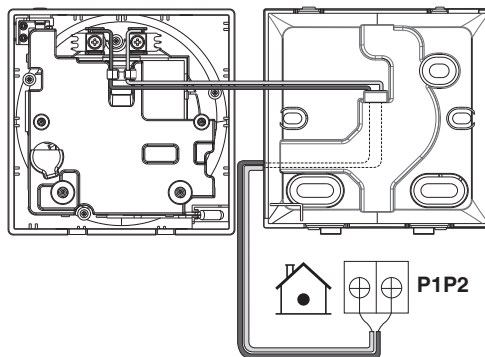
Top outlet



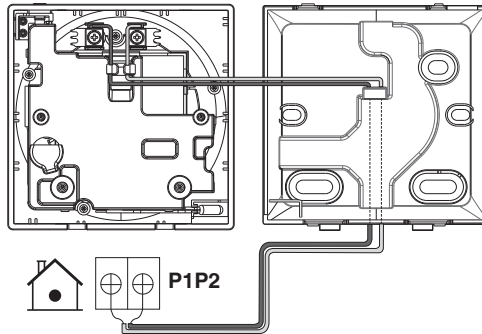
Rear outlet



Left outlet



## Bottom outlet

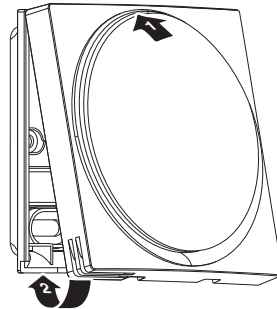


### CAUTION

- Keep the wiring away from the power wire so that electrical noise (external noise) is not received.
- In order to prevent the entry of water or insects, use putty (field supply) to securely seal the wiring lead-in hole.

## Closing the controller

- 1: Place the top of the controller on the top of the back plate.
- 2: Snap the bottom of the controller into place on the bottom of the back plate.
- 3: Ensure the installation site is dust-free, before peeling the protective seal.

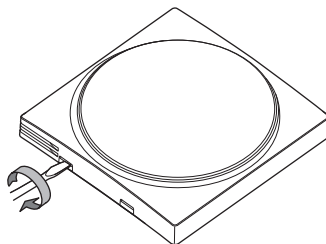


### CAUTION

- Never touch the internal parts of the controller.
- When closing the controller, be careful not to pinch the wiring.
- To prevent damage, make sure the front of the controller is clicked into the back plate securely.

## When removing the upper casing

Insert a flat head screwdriver into the recess in the back plate and remove the upper casing.  
(2 locations)

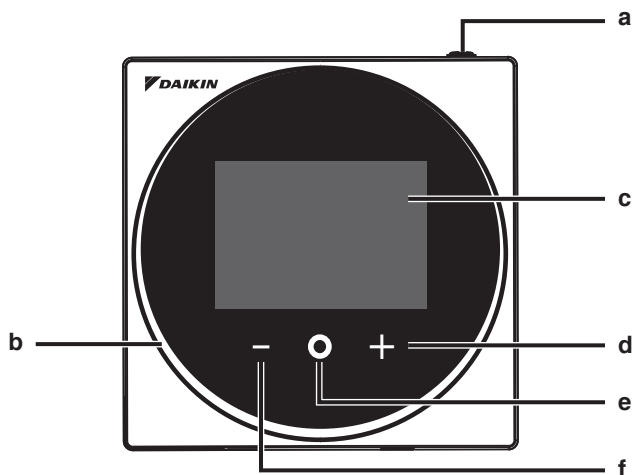


---

### CAUTION

- The remote controller circuit board is attached to the upper casing. Be careful not to damage the circuit board and casing when removing the upper casing.
  - Do not touch the remote controller circuit board directly with your hands.
  - Be careful not to allow dust or moisture to adhere to the circuit board when the upper casing is removed.
-

# Button Locations and Descriptions



Functions items (i.e., Operation Mode, Fan Speed, and Setpoint) are set from the menu screen.

## ! NOTICE

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

### a ON/OFF button

- Press this button to turn on the system.
- Press this button again to turn off the system.

### b **Status indicator (LED)**

- During operation, the light ring around the display lights up blue/red/green.  
Lights up blue: Operating, Blinks red: Error is occurring, Lights up/blinks green: Bluetooth connecting

### c **LCD** (Refer to INFORMATION on page 15.)

- Displays the current setpoint and air conditioner operation status.

### d **NAVIGATE/ADJUST button**

- Navigate right.
- Adjust a setting.

### e **SELECT/ACTIVATE/SET button**

- From the home screen, enter the user menu.
- From the user menu, enter one of the submenus.
- From their respective submenu, activate an operation/ventilation mode.

### f **NAVIGATE/ADJUST button**

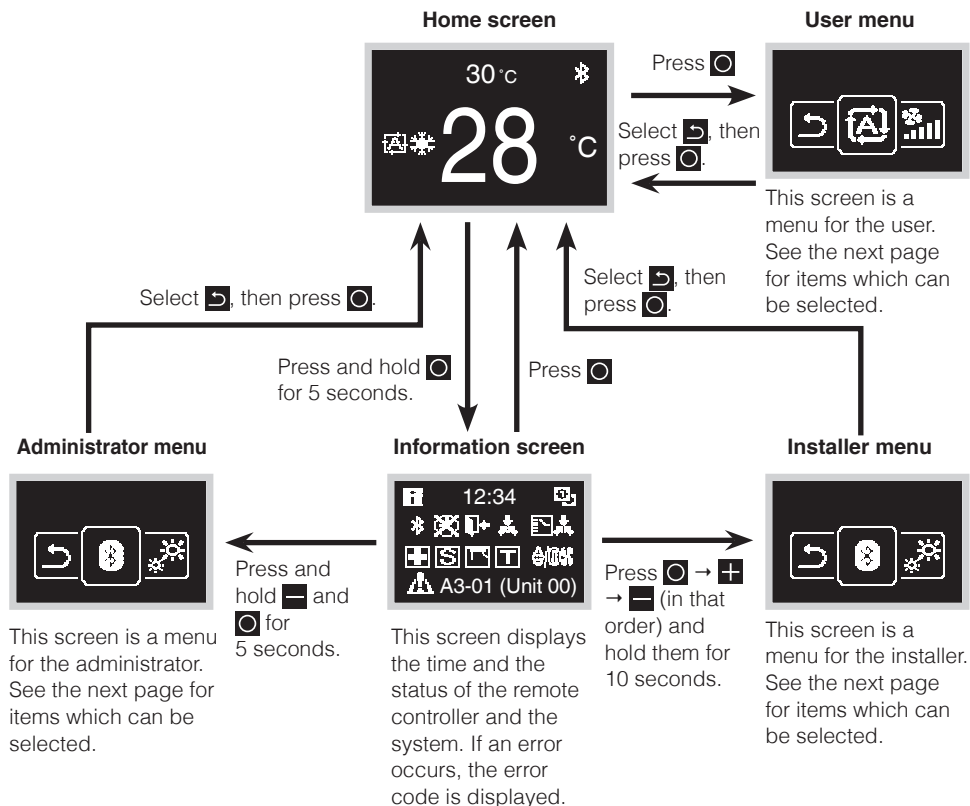
- Navigate left.
- Adjust the setting.








# Overview of screens













## How to display the screen

The following is just an example. The items available for setting vary depending on the indoor unit you are using. If there is no button operation for about 10 seconds, the screen returns to the home screen.



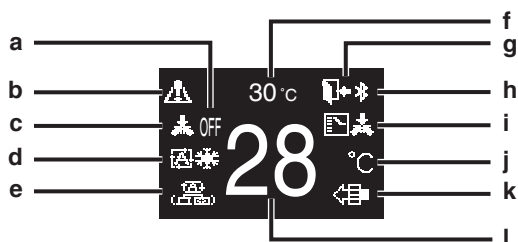
# Setting screen list

Setting list			User menu	Administrator menu	Installer menu
Icon	Name	Description			
Depends on current setting	Operation Mode	Operation mode setting	○		
Depends on current setting	Fan Speed	Airflow rate setting	○		
Depends on current setting	Airflow Direction	Airflow direction 1 setting	○		
Depends on current setting	Vertical Airflow	Airflow direction 2 setting	○		
Depends on current setting	Ventilation Mode	Ventilation mode setting	○		
Depends on current setting	Ventilation Rate	Ventilation rate setting	○		
	Adjust LED (ON)	LED brightness adjustment when backlight lights up	○		
	Adjust LED (OFF)	LED brightness adjustment when backlight lights up dimly	○		
	Sign Reset	Filter sign reset	○		
	Celsius/Fahrenheit	Fahrenheit/Celsius changeover	○		
	Setpoint	Setpoint setting when in auto operation mode	○		

Setting list			User menu	Administrator menu	Installer menu
Icon	Name	Description			
	Bluetooth Setting	Bluetooth setting		<input type="radio"/>	<input type="radio"/>
	Backlight	Backlight brightness setting		<input type="radio"/>	<input type="radio"/>
	Contrast	Contrast setting		<input type="radio"/>	<input type="radio"/>
	Clock Setting	Clock setting		<input type="radio"/>	<input type="radio"/>
	About	Administrator information		<input type="radio"/>	<input type="radio"/>
	Admin Password	Administrator password setting		<input type="radio"/>	
	Installer Password	Installer password setting			<input type="radio"/>
	Field Setting	Field Setting			<input type="radio"/>
	R/C Setting	R/C Setting			<input type="radio"/>
	Address Setting	Address Setting			<input type="radio"/>
	Forced Fan ON	Forced Fan ON Setting			<input type="radio"/>
	Rel Master Control	Release changeover master			<input type="radio"/>

# Names and Functions

## Home screen



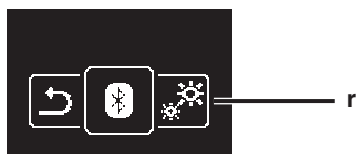
## Information screen



## User menu/Administrator menu/Installer menu



User menu



Administrator menu/Installer menu

\* The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and use of such marks by Daikin industries, LTD. is under license. Other trademarks and trade names are those of their respective owners.

## Screen display explanation

- a OFF**
  - Displayed when operation is stopped.
- b Error/Filter/Test icon**
  - Error, filter and test icons are displayed.
- c Centralized Control**
  - Displayed when under centralized management.
- d Operation mode**
  - Displays the current operation mode.
- e Ventilation mode**
- f Room temperature**
  - Displays the current room temperature.
- g Setback**
  - Blinks during setback operation.
  - Displayed during setback setting.
- h Bluetooth\***
  - Indicates that the controller is communicating with a mobile device, for use with the app.
- i Changeover Under Control**
  - Displayed when controller is unauthorized to select heating/cooling operation.
- j Fahrenheit/Celsius**
  - Depending on the setting, Fahrenheit/ Celsius display can be selected.
- k Air Purifying**
- l Set temperature**
  - Displays setpoint temperature.
- m Clock (24 hours time display)**
- n MAIN/SUB remote controller sign**
  - : Main controller
  - : Sub controller
- o Status**
  - Notifies the status.
- p Error display**
  - If an error occurs, the icon, an error code and unit number are displayed.
- q Information icon**
- r Settings menu icon**

## INFORMATION

Depending on the connected model, some items may not be displayed.

The controller is equipped with a power-saving function that darkens the display if there is no operation for a certain period of time. To make the screen light up again, press one of the buttons.

Note that pressing one of the buttons will only make the display bright again, not cause remote controller operation.

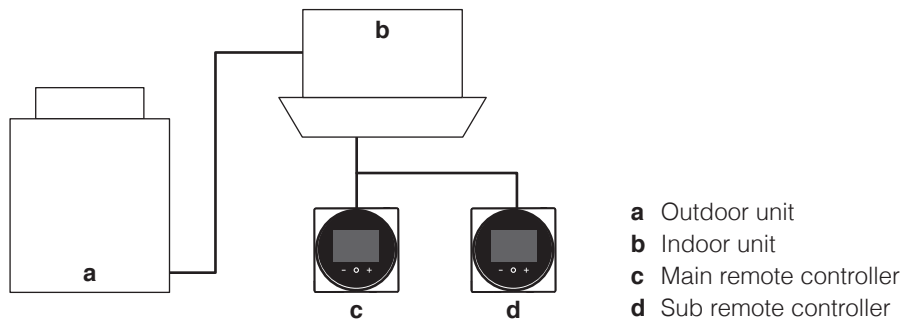
# Starting up the system

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

## Power-on

- The controller gets its power from the indoor unit.
  - Therefore, for the controller to be operable, make sure the indoor unit is powered on. Once the controller is powered, it will automatically start up.
- If it is the first and only controller that is connected to the indoor unit, it will automatically get designated as the main controller. If there is a second controller, it is necessary to manually set it as a sub controller.

## Main and sub controller



- On the information screen, main/sub status is indicated by the following icons:

Icon	Description
	Main
	Sub

## INFORMATION

It is only possible to use a main and a sub controller of the same type.

---

## INFORMATION

When digital input adapter BRP7A5\* is part of the system, it is not possible to connect a second controller. Connecting a second controller when the system already contains the adapter will cause the adapter to go into error mode.

---

---

## INFORMATION

If a sub controller does not display the home screen 2 minutes after its designation, turn off the power and check the wiring.

---

---

## INFORMATION

After re-designating a controller, the system requires a power reset.

---

---

## INFORMATION

The following functions are not available for sub controllers:

- "Auto" operation mode
  - Individual airflow direction
  - Filter auto clean
  - Setback temperature setpoints
  - Draft prevention
-

## Designating a controller as main or sub

**Prerequisite:** A remote controller is already connected to the indoor unit.

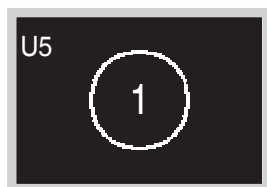
Connect a second controller.

After turning on the power, perform setting of the second controller.

**Result:** It will start up automatically.



Home screen



Wait for a U5 or U8 error code to appear on the screen.

Screen display explanation


**1** main


**2** sub



Home screen



When the U5 error code appears, press  and hold until "2" appears on the screen.

When the U8 error code appears, press  and hold until "1" appears on the screen.

**Result:**

A controller displaying 1 is set as main, and a controller displaying 2 is set as sub.

### INFORMATION

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.

If the sub remote controller does not display the home screen two minutes after its designation, turn off the power and check the wiring.

# Switching the Changeover Master

## About the changeover master

When multiple indoor units are connected to one outdoor unit or branch selector unit, by giving the authority to switch the operation mode to a specific indoor unit, the operation switching of other indoor units can be controlled.

- Only the remote controller set as the changeover master can select cooling, heating or auto operation modes.
- Remote controllers not set as the changeover master will follow the operation mode of the changeover master.
- Setting and cancellation of the changeover master needs to be carried out on the remote controller that is already the changeover master, and the remote controller that is to be set as the changeover master.
- Depending on the system, this function may not be available.

Possible operation mode selections for a remote controller that is a changeover master or a mode follower

Operation modes for the remote controller <b>that is a changeover master</b>	Operation modes that can be selected by remote controllers <b>that is a mode follower</b>
Heating via Heat/Auto	Heat, Fan
Cooling via Cool/Auto	Cool, Dry, Fan
Dry	Cool, Dry, Fan
Fan	Fan

\* Depending on the air conditioner and the system, some operation modes may not exist.

## Example of the changeover master settings

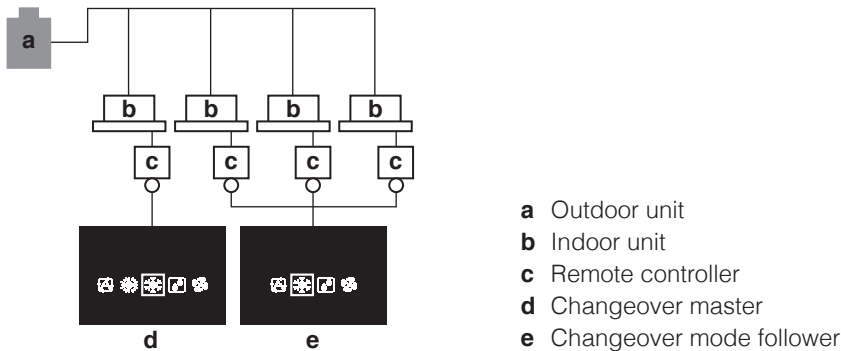
In the following cases, it is necessary to give the authority to choose cooling/heating to 1 remote controller:

- When multiple indoor units are connected to the same heat pump outdoor unit.
- When multiple indoor units are connected to the same branch selector port in a heat recovery system.



# Heat pump system

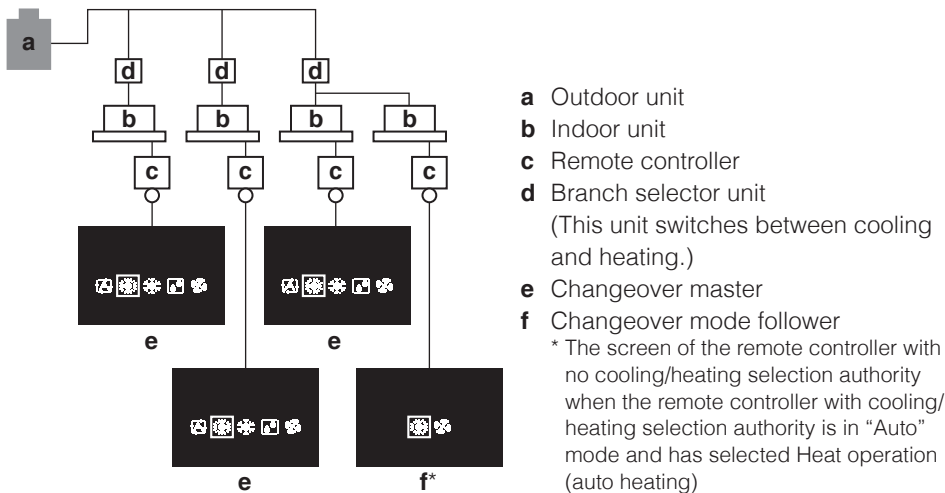
When multiple indoor units are connected to 1 outdoor unit:  
Give the authority to choose cooling, heating, or auto to 1 of these remote controllers.



- For the remote controller **without** cooling/heating selection authority, the operation modes that can be selected are limited.

# Heat recovery system

When multiple indoor units are connected to the same port of a branch selector unit:  
Give the authority to choose cooling, heating, or auto to 1 of these remote controllers.



## Releasing the changeover master (VRV only)

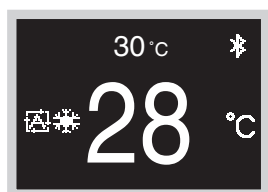
To change the authority to choose cooling/heating, you must first specify the remote controller with the authority, then release the authority.


Depending on the system, setting may not be available.

**Prerequisite:** You are in the installer menu.

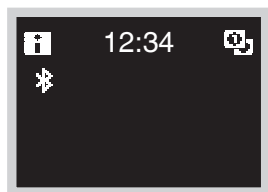
You are operating the controller of the indoor unit that you want to release from being the changeover master.




Home screen



Press and hold  button for 5 seconds or longer.  
The information screen is displayed.

Information screen



Press  →  →  (in that order) and hold them down for 10 seconds.  
The installer menu screen is displayed.

Installer menu screen



Navigate to .

---

### Sub-menu screen



Press **+** to release the indoor unit from its authority.

#### Result:

- The indoor unit is released from its authority.
- The controllers of all indoor units display a blinking "👤" icon.

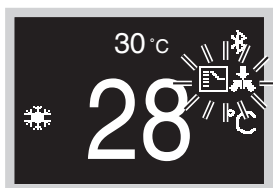
---

## Setting up the changeover master

This setting is available only when none of the remote control in the system has master control.

**Prerequisite:** No indoor unit is yet set as the changeover master ("👤" icon blinking on all controllers).

You are operating the controller of the indoor unit that you want to set as the changeover master.



---

### Menu screen



Navigate to "❄️".



---

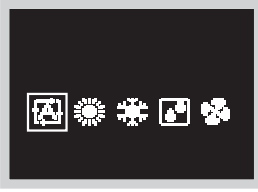
### Sub-menu screen





Press **-** or **+**.



Sub-menu screen



**Result:**

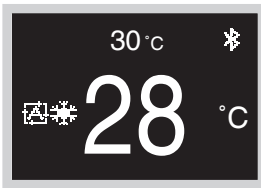
- The indoor unit is now the changeover master (“” icon not displayed).
- All sub controllers display the “” icon.


# Installer Menu

## How to enter the Installer menu

Installer menu screen




Home screen



Press and hold  button for 5 seconds or longer to display the information screen.

Information screen



Press  →  →  (in that order) and hold them down for 10 seconds.

The installer menu screen is displayed.

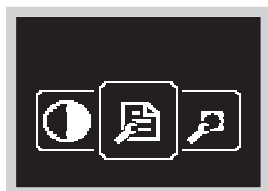
# Field Setting

## Field settings method

This section describes how to perform field setting.

Refer to page 23 and enter the installer menu.

Installer menu screen

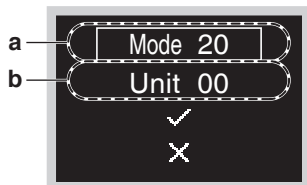


Press **−** or **+** button, for move to “”.

If Bluetooth is connected, performing field setting from the remote controller side is impossible.

Disconnect Bluetooth, or perform field setting from the mobile application.

Sub-menu screen

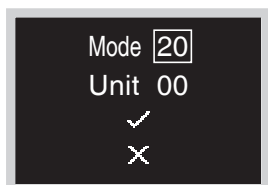


Press **+** or **−** button, to select Mode No. and press **○** to enter the field setting menu.

**a** Mode No.

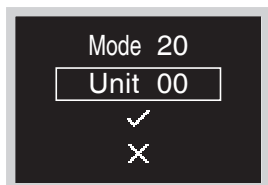
**b** Unit No.

Sub-menu screen



Press **−** or **+** button, to scroll the desired Mode No. and press **○** button.

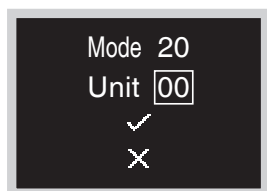
Sub-menu screen



Press **−** or **+** button, to select Unit No. and press **○** button.

---

Sub-menu screen

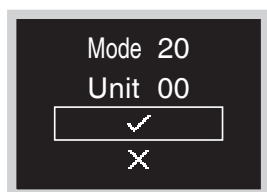


Press **[-]** or **[+]** button, scroll to the desired Unit No. and then press **[O]** button to set the selection.



---

Sub-menu screen

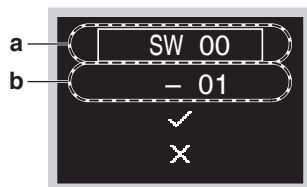


Press **[-]** or **[+]** button, to select "✓", and then press **[O]** button to set the selection.



---

Sub-menu screen



Press **[-]** or **[+]** button, select First Code No., and then press **[O]** button.

- a** First Code No.
- b** Second Code No.



---

Sub-menu screen



Press **[+]** or **[-]** button, scroll to the desired First code No. and then press **[O]** button to set the selection.



---

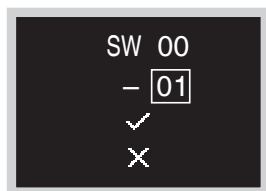
Sub-menu screen



Press **-** or **+** button, to move Second Code No., and then press **○** button.

---

Sub-menu screen



Press **-** or **+** button, to scroll to the desired Second Code No., and then press **○** button.

---

Sub-menu screen

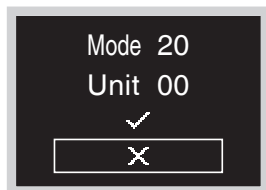


Press **-** or **+** button, select "**✓**", and then press **○** button to save the setting and return to the previous screen.

If the setting is not changed, select "**✗**".

---

Sub-menu screen



Press **-** or **+** button, move to "**✗**", and then press **○** button to return to the installer menu.

\* If the setting has been changed, the screen may return to the home screen without returning to the installer menu.

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## **CAUTION**

- The connection of optional accessories to the indoor unit might cause changes to some field settings. For more information, see the installation manual of the optional accessory.
  - For details about the specific field settings of each type of indoor unit, see the installation manual of the indoor unit.
  - Field settings that are not available for a connected indoor unit are not displayed.
  - Field setting default values are different depending on the indoor unit model. For more information, see the service manual of the indoor units.
-



## NOTICE

- 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.

### Field setting mode list

Mode No. (Note 1)	FIRST CODE NO.	Description		SECOND CODE NO. (Note 2) (Items in bold are factory default settings)				
				01	02	03	04	05
10 (20)	0	Filter Contamination - Heavy/Light (Setting for spacing time of display time to clean air filter) (Setting for when filter contamination is heavy, and spacing time of display time to clean air filter is to be halved)	Ultra-long-life filter	Light	Approx. 10.000 hrs.	Heavy	Approx. 5.000 hrs.	—
			Long-life filter		Approx. 2.500 hrs.			
			Standard filter		Approx. 200 hrs.			
	1	Long-life filter type (Setting of filter sign indication time). (Change setting when Ultra-long-life filter is installed)		Long-life filter		Ultra-long-life filter	—	—
	2	Thermostat sensor in remote controller		Use		Not use	—	—
	3	Spacing time of display time to clean air filter count (Setting for when the filter sign is not to be displayed)		Display		Do not display	—	—
11 (21)	0	Setting number of connected SPLIT system simultaneous operation system indoor units (Setting for simultaneous operations system)		Pair		Twin	Triple	Double twin
12 (22)	1	ON/OFF input from outside (Setting for when forced ON/OFF is to be operated from outside).		Forced OFF		ON/OFF operation	—	—
	2	Thermostat differential changeover (Setting for when using remote sensor).		1°C		0.5°C	—	—

Mode No. (Note 1)	FIRST CODE NO.	Description	SECOND CODE NO. (Note 2) (Items in bold are factory default settings)				
			01	02	03	04	05
13 (23)	0	High ceiling setting (Setting for when installed in ceiling higher than 2.7 m). * Height depends on the connection model. Refer to the installation manual attached to the indoor unit to be connected for details.	≤2.7 m *	2.7 m<, ≤3.0 m *	3.0 m<, ≤3.5 m *	—	—
	1	Selection of airflow direction (Setting for when a sealing pad of air discharge outlet has been installed).	4-way air discharge	3-way air discharge	2-way air discharge	—	—
	3	Selection of airflow function (Setting for when using a decoration panel for outlet).	Equipped	Not equipped	—	—	—
	4	Airflow direction range setting.	Upper	Normal	Lower	—	—
	6	Setting the external static pressure (Setting according to the connected duct resistance)	Normal	High static pressure	Low static pressure	—	—
		For FHYK	Normal	High ceiling	—	—	—
15 (25)	3	Drain pump operation with humidifying.	Equipped	Not equipped	—	—	—
1B	08	Daylight savings time setting	<b>Disabled</b>	Change at fixed time	Change on individual remote controllers (manually)	Change by linkage with centralized device	Change on individual remote controllers (automatically)
1C	01	Change room temperature display	Inlet temperature	<b>Remote controller thermistor</b>	—	—	—
1C	12	External linkage adapter B1 input setting	Unreferenced	<b>Referenced</b>	—	—	—
1C	13	External linkage adapter B2 input setting	Unreferenced	<b>Referenced</b>	—	—	—
1E	02	Setback function availability	OFF	Heating only	Cooling only	<b>Both heating and cooling</b>	—

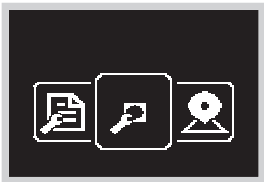
- Notes)**1. Though setting is performed totally in the group, set Mode No. in the parenthesis when individual setting per indoor unit or checking after the setting should be performed.
2. SECOND CODE NO. at factory shipment is set to "01".  
However for the following cases it is not "01".
- Airflow direction range setting (except Round flow cassette)... "02"
  - Thermostat sensor in remote controller (SPLIT system only)... "02"
  - Thermostat sensor in remote controller for auto mode and Setback function only... "02"
  - Setback function... "04"
3. Any function which the indoor unit does not have is not displayed.

# R/C Setting

## R/C setting method

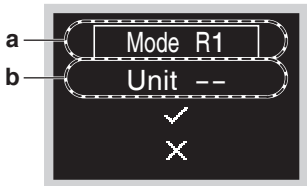
This section describes how to perform R/C setting.  
Refer to page 23 and enter the installer menu.

Installer menu screen



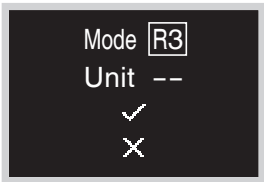
Press **[-]** or **[+]** button, move to "**P**".  
If Bluetooth is connected, performing field setting from the remote controller side is impossible.  
Disconnect Bluetooth, or perform field setting from the mobile application.

Sub-menu screen



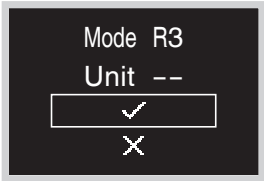
Press **[+]** or **[-]** button, to select Mode No. and press **[O]** to enter the field setting menu.  
**a** Mode No.  
**b** Unit No.

Sub-menu screen



Press **[-]** or **[+]** button, to scroll to the desired Mode No. and press **[O]** button.

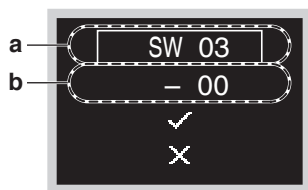
Sub-menu screen



Press **[-]** or **[+]** button, to select "**✓**", and then press **[O]** button to set the selection.

---

Sub-menu screen



Press **−** or **+** button, select First Code No., and then press **○** button.

- a** First Code No.
- b** Second Code No.

---

Sub-menu screen



Press **+** or **−** button, scroll to the desired First code No. and then press **○** button to set the selection.

---

Sub-menu screen



Press **−** or **+** button, to move Second Code No., and then press **○** button.

---

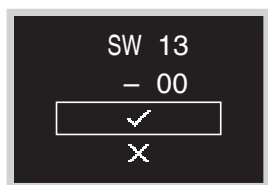
Sub-menu screen



Press **+** or **−** button, scroll to the desired Second code No. and then press **○** button.

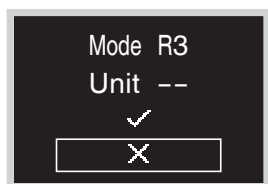
---

### Sub-menu screen



Press **−** or **+** button, select “**✓**”, and then **○** button to save the setting and return to the previous screen.  
If the setting is not changed, select “**✗**”.

### Sub-menu screen



Press **−** or **+** button, move to “**✗**”, and then press **○** button to return to the installer menu.

\* If the setting has been changed, the screen may return to the home screen without returning to the installer menu.

### R/C setting mode list

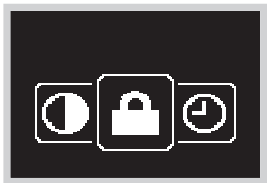
Mode No.	FIRST CODE NO.	Description	SECOND CODE NO. (Items in bold are factory default settings)				
			01	02	03	04	05
R1	11	LED lighting settings during error	<b>Error blinking</b>	Normal continuously lit	—	—	—
R1	12	Enable and disable Bluetooth function	Disabled	<b>Enabled</b>	—	—	—

# Installer Password Setting

## Installer password setting method

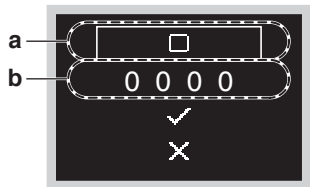
This section describes how to perform password setting.  
Refer to page 23 and enter the installer menu.

Installer menu screen



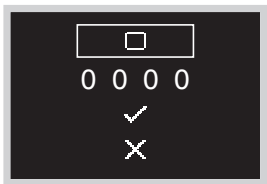
Press **Left** or **Right** button, for move to "Padlock".  
If Bluetooth is connected, performing field setting from the remote controller side is impossible.  
Disconnect Bluetooth, or perform field setting from the mobile application.

Sub-menu screen



Press **Left** or **Right** button, select Enable/Disable, and press **Enter** to perform password enable/disable setting.  
**a** Enable/Disable  
**b** Password

Sub-menu screen



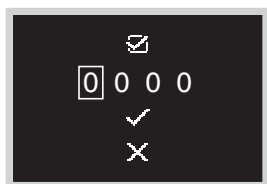
Press **Left** or **Right** button, change the password to enable/disable, and press **Enter** button.  
Select "Checkmark" to enable the password and select "X" to disable the password.

Sub-menu screen



Press **Left** or **Right** button, to select Password and press **Enter** button.

Sub-menu screen



Press **+** or **-** button, set any password, and then press **OK** button.

Each time **OK** button is pressed, the digit place will change. When the 4th digit on the right end is reached, press **OK** button to return to the previous screen.

Sub-menu screen



Press **+** or **-** button, select "**✓**", and then press **OK** button to return to the installer menu.

If Enable/Disable is set to Enable, the set 4-digit password will be enabled.

If set to Disable, the password will be disabled.

Sub-menu screen



Press **-** or **+** button, move to "**✗**", and then press **OK** button to return to the installer menu.

## Other Service Settings

### Group Address

- Assign the group address and unit number for centralized control.
- The group and unit address can only be set when a centralized controller is connected.  
This menu is only visible when a centralized controller is connected.
- The group and unit address can be "set" and "released".

### ! NOTICE

Don't forget to release the group address before disconnecting the centralized controller because the menu will not be accessible afterwards.

### Indoor and outdoor unit Airnet Address

Set the indoor and outdoor unit Airnet Address.



# External input interlock

## About external input interlock

External input interlock allows for the integration of key card and window contact logic into the system.

External input interlock is only available in case digital input adapter BRP7A5\* is part of the system. When the adapter is part of the system:

- it is not possible to connect a sub controller, and

Make sure that the digital input adapter and its optional contacts (window contact B1 and key card contact B2) are correctly installed.

Confirm that the voltage free contact of the digital input adapter is in the correct position.

For instructions on how to install the digital input adapter, see the installation manual of the digital input adapter.

In case the digital input adapter does not function properly, the external input interlock menu is not available in the installer menu.

In case a centralised controller is additionally part of the system, external input interlock is controlled by the centralised controller. The digital input adapter is then overruled.

## To make external input interlock settings

**Prerequisite:** You are in the installer menu.

**1:** Navigate to the external input interlock menu.



**2:** Use **←** and **→** to navigate through the menu.

**3:** Press **○** to select a parameter.

**4:** With a parameter selected, use **←** and **→** to change that parameter's value.

**5:** With a parameter selected, press **○** to confirm the value for that parameter.

**6:** When you are done making settings, confirm all settings by selecting **✓** and pressing **○**.

**Result:** The system will restart and implement any changes made.

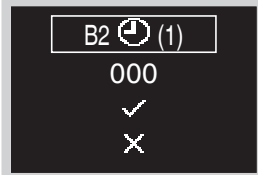
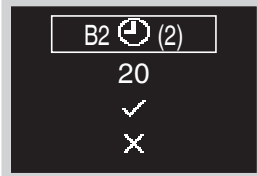
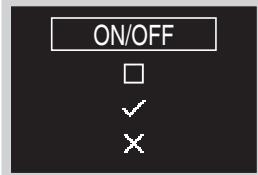
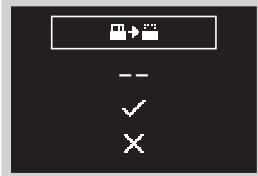

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## **i** INFORMATION

For an overview of settable parameters and what they mean, see "External input interlock settings overview" on page 37.

---

## External input interlock settings overview

Parameter	Description	Possible values	Default value
<b>B2 Delay Timer</b> 	Timer that starts as soon as the key card is removed. The unit continues normal operation until the timer expires.	0-10 minutes	"1 min"
<b>B2 Reset Timer</b> 	Timer that starts as soon as the Delay Timer expires. When this timer expires, the previous state (i.e. regular setpoint) changes to the <b>"Default Reset Setting"</b> state.	0-20 hours	"20 hours"
<b>Reset ON/OFF</b> 	<b>"Default Reset Setting"</b> on/off state	"ON", "OFF", "--"	"OFF"
<b>Reset Mode</b> 	<b>"Default Reset Setting"</b> operation mode	Auto, Cooling, Heating, Fan only, "--"	"--"
<b>Reset Cool SP</b> 	<b>"Default Reset Setting"</b> cooling setpoint	See indoor unit's setpoint range and setpoint range limitation, "--"	"22°C"

Parameter	Description	Possible values	Default value
<b>Reset Heat SP</b> 	<b>“Default Reset Setting”</b> heating setpoint	See indoor unit's setpoint range and setpoint range limitation, “--”	“22°C”

## INFORMATION

When the value for a parameter is “- -”, this means that when the timer expires, nothing changes for that parameter and the current active value is kept.

## Window contact logic

Window contact B1	Key card contact B2	Time	Action
Contact closed (window open)	Contact closed (key card IN)	—	<ul style="list-style-type: none"> <li>Normal indoor unit operation.</li> <li>The unit returns to the previous state before opening the contact.</li> </ul>
Contact open (window open)	Contact closed (key card IN)	—	Unit operation is forced off: <ul style="list-style-type: none"> <li>No delay and reset timer functionality.</li> <li>No Setback functionality.</li> <li>Not possible to turn on/off the unit with the controller's ON/OFF button.</li> </ul>

## Key card contact logic

Window contact B1	Key card contact B2	Time	Action
Contact closed (window closed)	Contact closed (key card IN)	<ul style="list-style-type: none"> <li>• —</li> <li>• Delay timer &lt; Time &lt; Reset timer</li> <li>• Time &gt; Reset timer</li> </ul>	<ul style="list-style-type: none"> <li>• The unit operates normally.</li> <li>• If the reset timer has not expired, the unit returns to the previous state before opening the contact.</li> <li>• If the reset timer has expired, the unit returns to the “<b>Default Reset Setting</b>” (see “External input interlock settings overview” on page 37).</li> </ul>
Contact closed (window closed)	Contact open (key card OUT)	Time < Delay timer	Normal indoor unit operation.
Contact closed (window closed)	Contact open (key card OUT)	Time > Delay timer	Unit operation is forced off: <ul style="list-style-type: none"> <li>• Depending on whether the Setback function is enabled, Setback will work or not.</li> <li>• Not possible to turn on/off the unit with the controller's ON/OFF button.</li> <li>• After the delay timer has expired, the reset timer will start counting.</li> </ul>

### INFORMATION

- The “previous state” can be the on/off state, operation mode, cooling setpoint, and heating setpoint.
- When using the contacts, the fan speed as well as the Setback cooling and heating setpoints can be changed at any time, without losing changes.
- The fan speed is stored independently for the two main operation modes (Heating and Cooling). Separate fan speed settings are saved for Heating operation mode on the one hand, and Cooling, Dry and Fan only operation mode on the other hand.
- When closing the contact, changes made while the key card contact is open and the delay timer has not expired (normal operation) will not be saved.

## Combination of window contact and key card contact logic

- The window contact has priority over the delay timer and the Setback functionality of the key card contact: When the window contact is opened while the key card contact is open, the delay timer will immediately expire if it is still running, and Setback will not work anymore. The reset timer will immediately start counting or will not reset when it was already running.
- The reset timer functionality of the key card contact has priority over the window contact when returning to the previous state: When the key card contact is opened while the window contact is open, the delay timer will start running. When the delay timer expires the reset timer will start running. When the reset timer expires, the previous state is updated to the “**Default Reset Setting**” state.

### Example 1

**1:** You remove the key card.

**Result:** The indoor unit continues operating normally until the delay timer expires.

**2:** You open the window before the delay timer expires.

**Result:** The indoor unit stops immediately. It is not possible to turn the unit on or off, the Setback functionality does not work, the delay timer stops counting, and the reset timer starts counting.

**3:** You insert the key card again.

**Result:** An update of the previous state occurs. The unit is forced off and the Setback functionality is still disabled (see “Window contact logic” on page 38).

**IF** the reset timer HAS NOT expired before inserting the key card, the previous state is the same as the original state because there was only a change to the original state.

**IF** the reset timer HAS expired before inserting the key card, the previous state is the “**Default Reset Setting**” state.

**4:** You close the window.

**Result:** The unit reverts to the previous state. The previous state depends on the expiration of the reset timer.

## Example 2

**1:** You open the window.

**Result:** The unit stops immediately. It is not possible to turn the unit on or off with the ON/OFF button, the Setback functionality does not work, and the delay timer does not start counting.

**2:** You remove the key card.

**Result:** The delay timer starts counting.

**3:** You close the window again.

**Result:** There is no change in state. It is as if you never opened the window (Setback will work if enabled).

**IF** the delay timer HAS expired before closing the window, the reset timer will have started counting. Closing the window has no influence on the reset timer.

**IF** the delay timer HAS NOT expired before closing the window, it will expire immediately and the reset timer will start counting.

When the reset timer expires, the previous state is updated to the "Default Reset Setting" state.

**4:** You insert the key card again.

**Result:**

**IF** the reset timer HAS NOT expired before inserting the key card, the unit returns to the state before the window was opened (last "on" state);

**IF** the reset timer HAS expired before inserting the key card, the unit goes to the "Default Reset Setting" state.

# License

The following OSS is included in the remote controller.  
[micro-ecc]

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# Certification

## COMPLIANCE WITH REGULATIONS

### • In India

**For model: BRC1H61W**

ETA-SD-20200603421

**For model: BRC1H61K**

ETA-SD-20200603679

### • In Malaysia

**For model: BRC1H61W**



SQASI/TA/20/1972

**For model: BRC1H61K**



SQASI/TA/20/1973

### • In Philippines

**For model: BRC1H61W**



NTC

Type Accepted  
ESD-2022264C

**For model: BRC1H61K**



NTC

Type Accepted  
ESD-RCE-2022819

### • In Singapore

**For model: BRC1H61W**

Complies with  
IMDA Standards  
N1740-20

**For model: BRC1H61K**

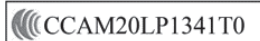
Complies with  
IMDA Standards  
N1739-20

### • In Taiwan

**For model: BRC1H61W**



**For model: BRC1H61K**



低功率電波輻射性電機管理辦法：

#### 第十二條

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

#### 第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。



• In Thailand



nanb.

เครื่องวิทยุคมนาคมนี้ ได้รับยกเว้น ไม่ต้องได้  
รับใบอนุญาตให้มี ใช้ซึ่งเครื่องวิทยุคมนาคม  
หรือตั้งสถานีวิทยุคมนาคมตามประกาศ กสทช.  
เรื่อง เครื่องวิทยุคมนาคม และสถานีวิทยุ  
คมนาคมที่ได้รับยกเว้นไม่ต้องได้รับใบอนุญาต  
วิทยุคมนาคมตามพระราชบัญญัติวิทยุคมนาคม  
พ.ศ. 2498



**nanb.** | โทรคมนาคม

กำกับดูแลเพื่อประชาชน

Call Center 1200 (InswS)

• In Vietnam

**For model: BRC1H61W**  
Certificate of conformity number: 283/CN-TT2

**For model: BRC1H61K**  
Certificate of conformity number: 280/CN-TT2



• In Australia



• In New Zealand



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