DAIKIN

STYLISH REMOTE CONTROLLER

iF

reddot design award

BRC1H63W / K

Sleek Stylish Design

Much like the perfection of its circular shape, the remote controller gives you perfect control over your individual climate.

2 Colours

Available in two attractive colours, the new remote controller adds style and sophistication to any indoor space. Measuring just 85 x 85 mm, the remote controller is extremely compact and will become a fluid part of any background.

White
BRC1H63W

Black
BRC1H63K

User-friendly Interface

The new remote controller combines functionality and simplicity.
The minimalistic touch button control enlarges the display and makes the remote controller both easy and enjoyable to use.

ON / OFF button

Display

Fan speed

Operation mode
(Cooling, Heating, Auto, etc.)

Airflow direction

Easy and direct access to main functions

DAIKIN APP for Installer

Simplifies the advanced settings such as field settings and set point range.

- Visual interface simplifies advanced settings such as energy saving activation, setting restrictions, etc.
- Easy and quick commissioning, saves time and cost for installers.
- Featuring Bluetooth low energy technology.

GET IT ON
Google Play

Download on the
App Store

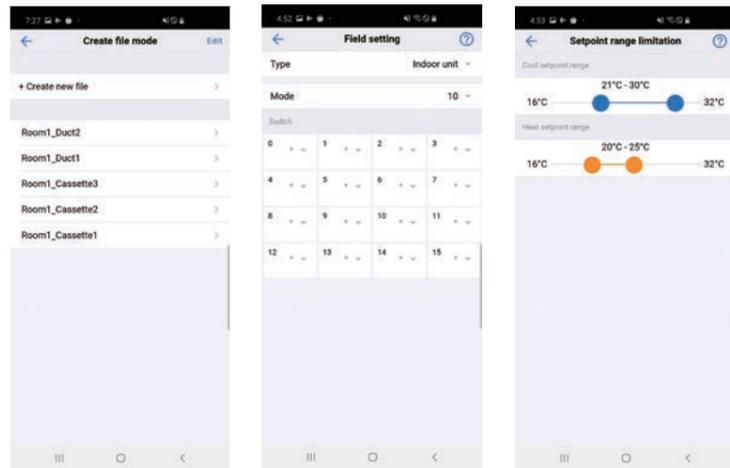# Useful Administration and Shorter and Easier Installation

The smartphone application connected to this controller provides 2 modes, Owner / Administrator mode and Installer mode (no end-user mode).

- ◾ Owner / Administrator mode provides useful setting of
  - Setback setting
  - Setpoint range setting
  - Function lock   etc.

- ◾ Installer mode makes installation faster and easier with
  - Set up multiple settings at once
  - Save and reuse settings   etc.

Bluetooth low energy 4.2.

Bluetooth®

Streamer function

Streamer ON/OFF setting and status icon are available.

- Streamer function (Mold proof setting) ON/OFF can be set by field setting with the remote controller.
- When a signal is received from the indoor unit that the Streamer function is ON, the Streamer icon is displayed on the Home screen.

- ◾ Streamer filter clean function
  - Streamer filter clean unit irradiates Streamer when the fan and air conditioning operation are stopped. Streamer fumigates the cabin and sterilizes the filter.

Streamer filter clean unit

Ceiling Mounted Cassette Type
<Round Flow>
with Streamer

- Ceiling Suspended Type
- Compact Multi Flow Ceiling Mounted Cassette Type
- Double Flow Cassette Type

*The Streamer filter clean unit is an optional accessory for the models above.

Mechanism of decomposition by Streamer

Streamer emits high-speed electrons.

The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of decomposing elements with decomposition power.
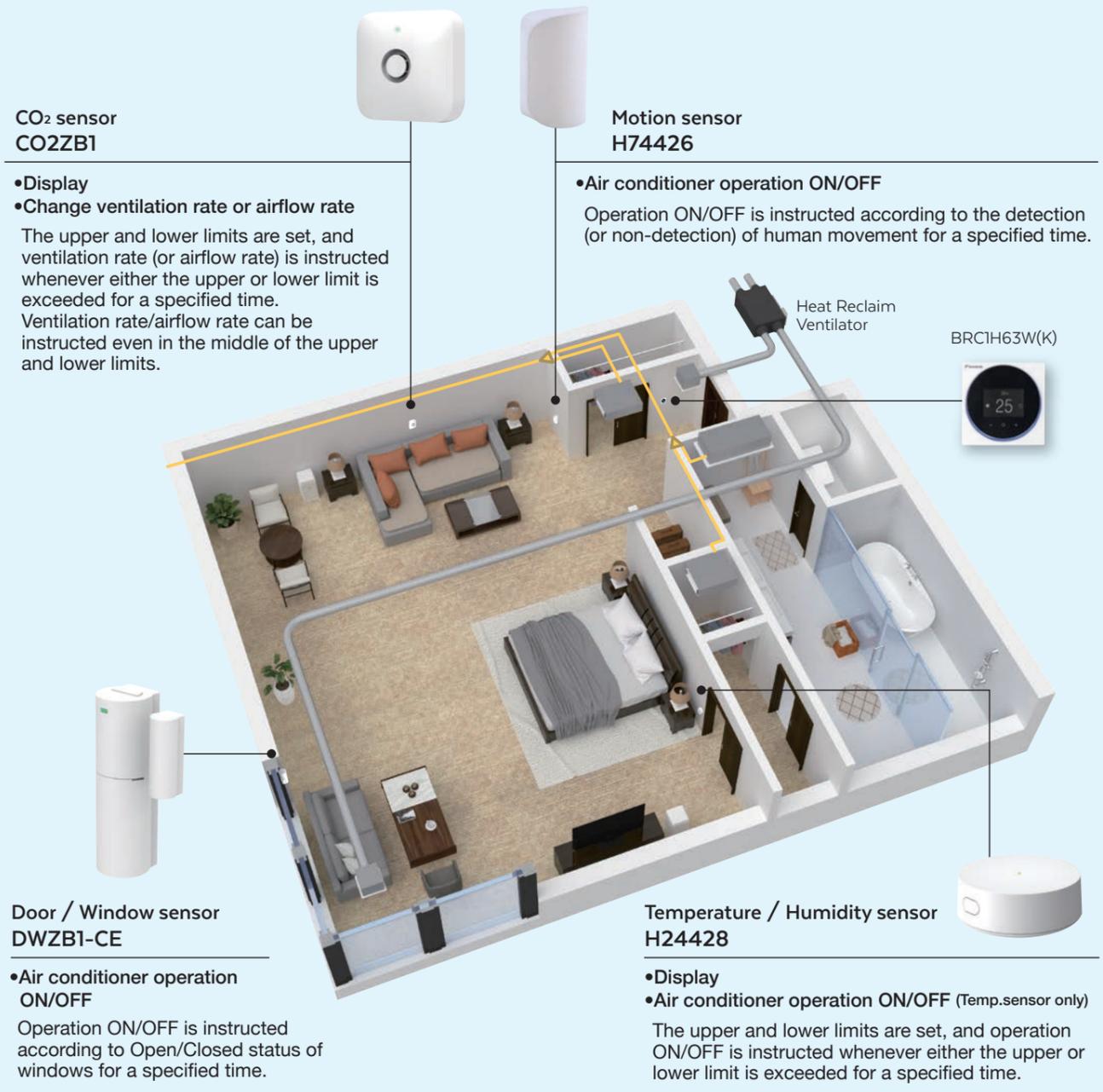
Excited nitrogen
OH radical
Excited oxygen
Oxygen radical

The decomposing elements provide decomposition power.

Zigbee™ sensor interlocking function

Four kinds of sensors (Temperature/Humidity*, Door/Window, CO_2, Motion) and a remote controller are connected by Zigbee™ communication which displays sensor value and uses it to control equipment.

*Humidity sensor is for display only.

APP control / Setting

Bluetooth®

zigbee

CO_2 sensor
CO2ZB1

Door / Window sensor
DWZB1-CE

Temperature / Humidity sensor
H24428

Motion sensor
H74426

BRC1H as Zigbee™ coordinator

**CO_2 sensor
CO2ZB1**

•Display
•Change ventilation rate or airflow rate

The upper and lower limits are set, and ventilation rate (or airflow rate) is instructed whenever either the upper or lower limit is exceeded for a specified time.
Ventilation rate/airflow rate can be instructed even in the middle of the upper and lower limits.

**Motion sensor
H74426**

•Air conditioner operation ON/OFF

Operation ON/OFF is instructed according to the detection (or non-detection) of human movement for a specified time.

Heat Reclaim Ventilator

BRC1H63W(K)

**Door / Window sensor
DWZB1-CE**

•Air conditioner operation ON/OFF

Operation ON/OFF is instructed according to Open/Closed status of windows for a specified time.

**Temperature / Humidity sensor
H24428**

•Display
•Air conditioner operation ON/OFF (Temp.sensor only)

The upper and lower limits are set, and operation ON/OFF is instructed whenever either the upper or lower limit is exceeded for a specified time.

Zigbee™ is developed by the Connectivity Standards Alliance™.
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■ Sensors results can be displayed on the Sensor view of the Information screen.

```
00:36
24 °C
60 %
CO2 1200 PPM
A3-01 (Unit 00)
```

Example)
Indoor temperature: 24°C
Indoor humidity: 60%
CO_2 level: 1,200 PPM

Available sensor results:

CO_2 — CO_2 level

Indoor temperature

Indoor humidity

■ Sensor registration / deletion

•Register / delete the Zigbee™ sensor and set the interlocking control from the BLE app is available only in Installer mode.

•Restrictions:
 - Up to 5 sensors can be connected to each remote controller.
 - Multiple Motion sensors and Door / Window sensors can be connected, and one Temp / Humid sensor and one CO_2 sensor can be connected.
 - The Zigbee™ sensor can only be connected to the main remote controller.
 - When the number of sensors registered exceeds the limit, all sensors are forcibly deleted.
   (Restarting the remote controller is required after a forced reset.)
 - Signal distance is about 10m with no obstacles (ex.walls).

■ Interlocking control setting

•The control details corresponding to the value acquired from the Zigbee™ sensor are registered.

•Restrictions:
 - Combining multiple sensor settings is not possible.
 - When specify multiple interlocking controls and instructions conflict (operation and stop, etc.), execute the highest priority control.
 - Priority of sensors can be set by smartphone APP.
 - Do not perform interlocking control when the sensor is malfunctioning.

■ Restrictions of interlocking settings for each sensor

Sensor type		Model name	Restriction
CO_2		CO2ZB1	•If the remote controller is not connected to a ventilation device, system does not use CO_2 sensor to control. •Cannot be used with optional CO_2 sensor of VAM-H series. •Ventilation rate is controlled at 2/3/5 steps. But "Auto ventilation rate" is not available with the Zigbee™ CO_2 sensor. Optional CO_2 sensor of VAM is required for "Auto ventilation rate". Ref) Connectable models: VAM-HVE/HVLT, VKM-GCVE, FXMQ-AFV(M) (2S) (24)
Temperature / Humidity		H24428	•Humidity sensor is for display only. •Indoor option: Remote sensor cannot be used with Temperature/Humidity sensor.
Motion		H74426	•When multiple Motion sensors are connected and even one sensor has a human movement status, it is controlled as human movement. •Using with Infrared presence sensor is not available.
Door / Window		DWZB1-CE	•When multiple Door/Window sensors are connected and even one sensor has an Open status, it is controlled as Open.

Note: Zigbee™ sensors cannot be used with any indoor units equipped with sensors.
     Ex) Round Flow Cassette and 2x2 Cassette with Sensor panel / Sensor kit.
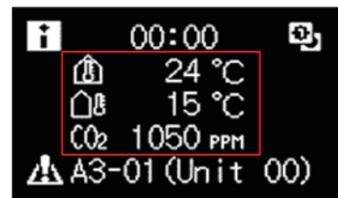
Ventilation functions

Usability of the new Heat Reclaim Ventilator (VAM-H series) has been improved by displaying sensor results and operation status with new icons.

■ Sensor results can be displayed up to 3 items on the Information screen.

Sensor view of the Information screen

Note:
3 items selected by remote controller setting.

Available sensor results:

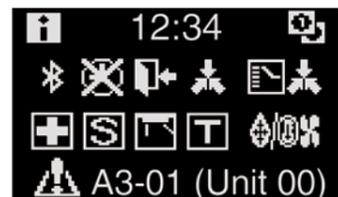|	
CO2	CO2 level (Option of VAM-H series required)
	Outdoor temperature
	Indoor temperature
	Outdoor humidity (Option of VAM-H series required)
	Indoor humidity (Option of VAM-H series required)

■ Sensor results can be shared to the remote controller group.

• CO2 level, outdoor humidity, and indoor humidity from Heat Reclaim Ventilator sensors can be shared to other units in the group control system.

■ 4 types of ventilation related icons on the Information screen.
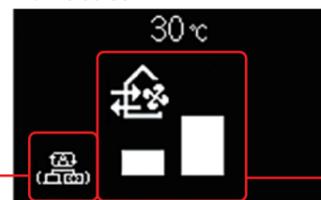
Icon view of the Information screen

New icons:

24H	24-hour ventilating
	Ventilating standby (Displayed on the main remote controller only)
PV	Fresh up
NP	Nighttime free cooling operation (Night purge)

• When ventilation system is connected individually, ventilation mode and ventilation airflow rate are shown on the Home screen. Ventilation airflow rate can be set by pressing "+" and "-".
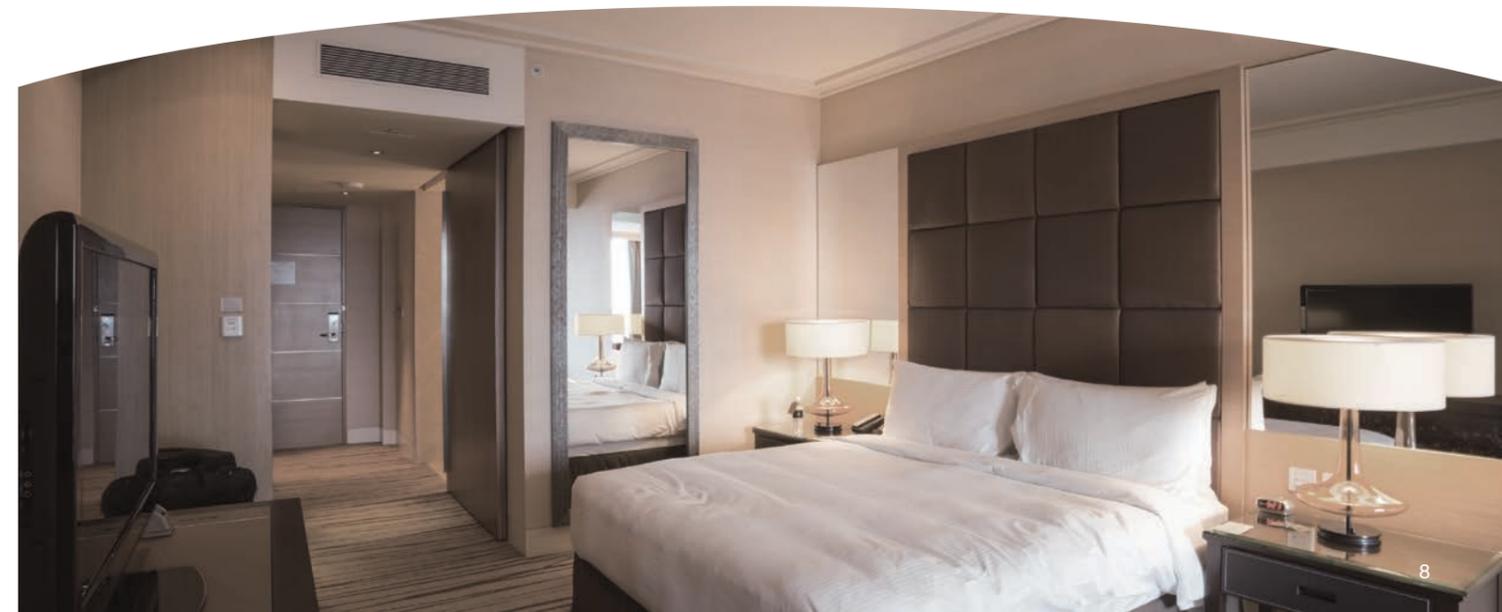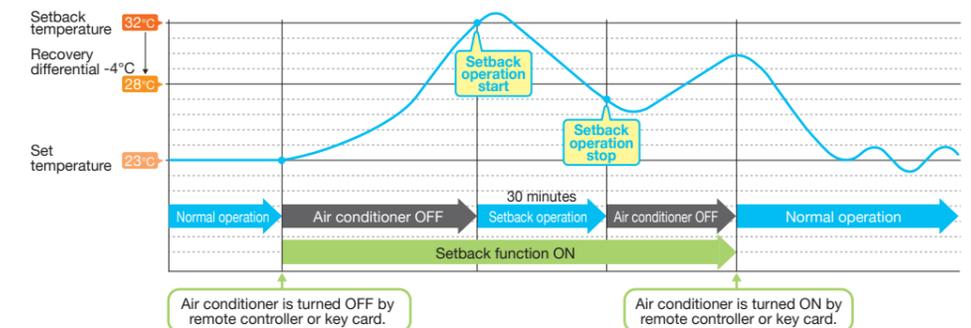
Home screen

Ventilation mode ← → Ventilation airflow rate

Setback function

Maintains the room temperature in a specific range when the system is turned OFF (by user or OFF timer). To achieve this, the system temporarily runs in Cooling or Heating operation mode, according to the setback temperature and recovery differential.

Cooling operation	Heating operation
•Setback temperature can be set from upper limit of setpoint +1°C to 35°C. Ex) When upper limit temperature is set at 27°C by Setpoint range set function, Setback temperature is selectable from 28°C to 35°C.	•Setback temperature can be set from lower limit of setpoint -1°C to 5°C. Ex) When lower limit temperature is set at 15°C by Setpoint range set function, Setback temperature is selectable from 14°C to 5°C.
•Recovery differential can be set up to -8°C from setback temperature.	•Recovery differential can be set up to +8°C from setback temperature.

•Example:

Settings	Setback temperature	32°C
	Recovery differential	-4°C
Result	If the room temperature rises above 32°C, the system automatically starts cooling operation. If after 30 minutes the temperature drops below 28°C, the system stops cooling operation, and turns OFF again. When the room temperature rises above 32°C again, the process gets repeated.	

•Example:

Settings	Setback temperature	12°C
	Recovery differential	+3°C
Result	If the room temperature drops below 12°C, the system automatically starts heating operation. If after 30 minutes the temperature rises above 15°C, the system stops heating operation, and turns OFF again. When the room temperature drops below 12°C again, the process gets repeated.	

•Setback turns ON the system for at least 30 minutes, unless the setback temperature is changed, or the system is turned ON with the ON/OFF button.

•Cooling operation example:

Target temperature of setback operation is set temperature of normal operation. (23°C in this example.)

Functions

✔ : Available

Functions		Remote controller			Application (Smartphone)		Remarks
		Basic operation	Administrator menu	Installer menu	Owner / Administrator mode	Installer mode	
Basic Function	Operation Start / Stop	✔					
	Operation mode	✔					
	Airflow rate (Fan speed)	✔					The number of airflow steps depends on indoor unit model.
	Airflow direction	✔					
	Setpoint	✔					
	Ventilation rate	✔					Available for only when Heat Reclaim Ventilator is connected.
	Ventilation mode	✔					
	Celsius / Fahrenheit	✔			✔	✔	
	Ventilation related icons	✔					Display the icons of Fresh up, Nighttime free cooling operation, etc. when it is set.
Energy Saving	NEW OFF timer	✔					Period can be preset from 1 to 96 hours in 1-hour increments.
	NEW Weekly schedule timer				✔	✔	Up to 5 operations can be set for each day of the week. 3 independent schedules can be set. (e.g. summer, winter, mid-season) The operation that can be set is ON/OFF, and the set temperature for cooling/heating is set. The temperature set at OFF is used as the setback temperature.
	Setpoint range set				✔	✔	
	Sensing sensor low mode				✔	✔	Applicable for the indoor unit with infrared sensors.
	Sensing sensor stop mode				✔	✔	
	Sensor results display			✔			Sensor results from Heat Reclaim Ventilator, thermistor, and Zigbee™ sensors can be displayed up to 3 items on the Information screen.
	NEW Sensor connection				✔	✔	• Temperature: Display, Air conditioner operation ON/OFF • CO₂: Display, Change ventilation rate • Door/Window: Air conditioner operation ON/OFF • Motion: Air conditioner operation ON/OFF • Humidity: Display only
						✔	Register / delete Zigbee™ sensor to remote controller.
Comfort	Airflow direction range (for Floor standing type)					✔	
	Individual airflow direction control				✔	✔	Applicable for the indoor unit with this function.
	Setback				✔	✔	
	Draft prevention				✔	✔	Applicable for the indoor unit with this function.
	Auto cooling / heating changeover (for Heat pump type)				✔	✔	This function shall not be used when Wireless LAN connecting adaptor for SkyAir is used.
	Setpoint minimum differential				✔	✔	Allowed to disable the settings.
	Streamer function (Mold proof operation)			✔			Streamer ON/OFF setting by field setting with remote controller. Streamer operation ON and streamer function error icons are displayed.
Filter Indicator	Filter sign (Reset)	✔					Filter sign notifies the time to clean the filter of indoor unit.
	Element sign (Reset)	✔					Element sign notifies the time to clean the element of air purifier unit when the indoor unit connected with air purifier unit.
Option	Prohibit function (user menu items)				✔	✔	Set whether user can change basic functions in each menu.
	Prohibit function (Center button prohibit)				✔	✔	
	Prohibit function (Operation Mode)				✔	✔	Limit available operation mode from remote controller in each mode.
Display	Contrast adjustment		✔				
	LCD backlight adjustment		✔		✔	✔	
	LED brightness adjustment (screen Backlight ON)	✔			✔	✔	The brightness of LED (Status indicator) when backlight is ON or OFF can be changed respectively. Also, LED can be turned off.
	LED brightness adjustment (screen Backlight OFF)	✔			✔	✔	
	Auto display OFF			✔		✔	

Functions		Remote controller			Application (Smartphone)		Remarks
		Basic operation	Administrator menu	Installer menu	Owner / Administrator mode	Installer mode	
Remote Controller Setting	Date and time setting		✔		✔	✔	
	Daylight Saving Time (DST)				✔	✔	
	Remote Controller field settings			✔		✔	
	Display icon customization			✔		✔	
	Remote controller thermostat temperature offset			✔		✔	
	BLE settings (Pairing screen)	✔		✔		✔	
	Set / release Cooling / Heating master (for VRV)			✔			Decision procedure for the Master Control is same as BRC1E63.
	Administrator Password Settings			✔		✔	
	Installer Password Settings			✔		✔	Default is no password
OTA	NEW OTA (Over The Air)					✔	Update the remote controller software through the BLE app.
Hotel	NEW Hotel display	✔			✔	✔	A simple display for hotel guests. Operation mode and set temperature can be changed by simply pressing three buttons on the Home screen without using the menu button.

Notes:
1. Installer mode includes functions in the Owner / Administrator mode.
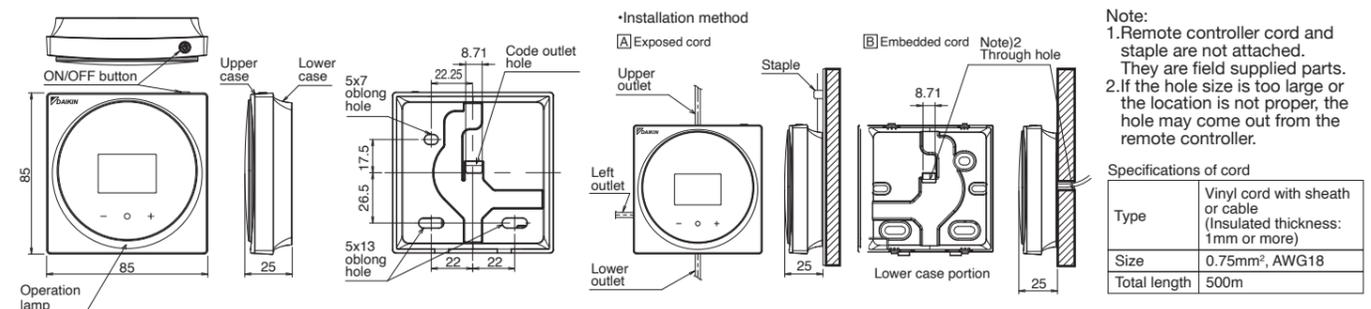2. Installer mode requires dedicated QR code for startup. It can be obtained by either accessing the Daikin Business Portal or by contacting your local Daikin sales office.

Specifications

Model		BRC1H63W	BRC1H63K
Colour		White	Black
Size (HxWxD)	mm	85 x 85 x 25	
Weight	g	110	
LCD backlight		Available	
Status indicator (LED)	Blue	Normal operation	
	Red	Error alert	
	Green	Bluetooth connection	
Maximum number of connectable indoor units		1 group (up to 16 indoor units)	
Wiring connections	For connection with indoor	P1-P2 wired connection from indoor unit	
	Size mm²	0.75-1.25	
Application		DAIKIN APP for installer	
Compatible OS version		Apple iOS 15, Android 12 ∗	
Bluetooth wireless technology	Protocol	Bluetooth low energy 4.2 ∗	
Zigbee™	Protocol	Zigbee™ 3.0	

∗For compatibility with other OS and Bluetooth versions, contact your local Daikin sales office.

Dimensions (Unit: mm)

• Installation method
A Exposed cord
B Embedded cord

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

Specifications of cord

Type	Vinyl cord with sheath or cable (Insulated thickness: 1mm or more)
Size	0.75mm², AWG18
Total length	500m

Warning

⚠️

● Ask a qualified installer or contractor to install this product. Do not try to install the product by 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 an acidic or alkaline gas, are produced.
2. When installing outdoor units in coastal areas, be sure to contact your local distributor and avoid direct exposure of the units to sea breezes.

Scan here for more

BRC1H
Remote controller
website.

● Specifications, designs and other content appearing in this brochure are current as of December 2022 but subject to change without notice.