1. BRC1C62

BRC1C62

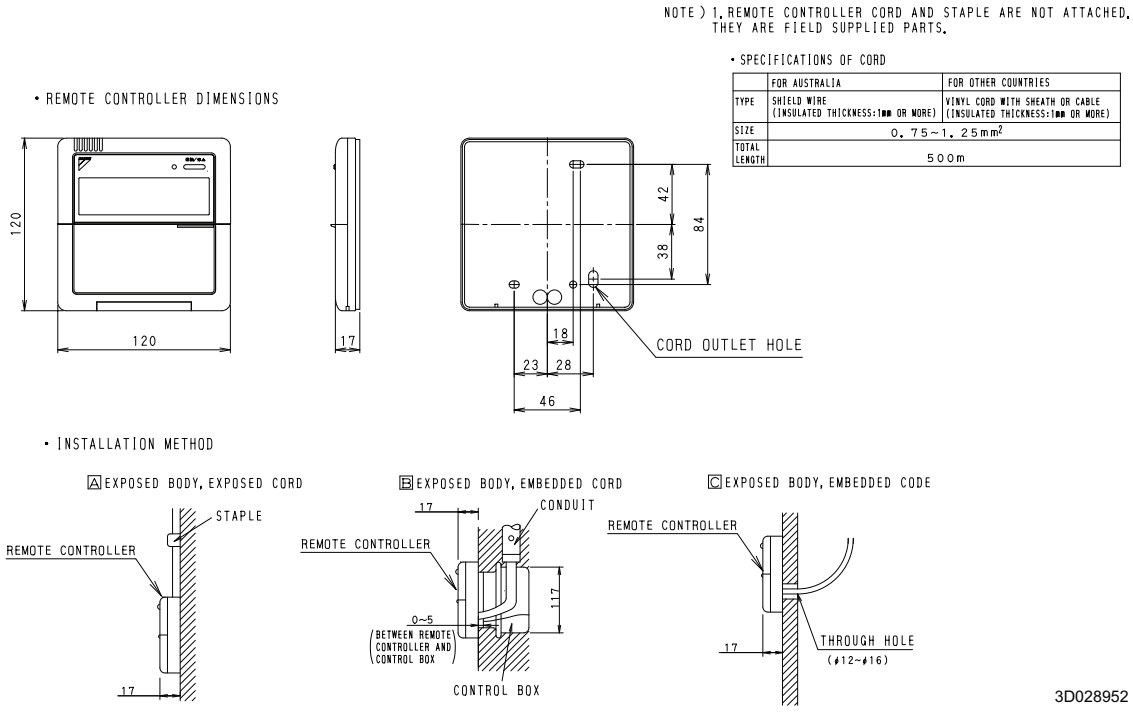
Operation Functions with HRV	BRC1C62
ON / OFF Operation with Air Conditioner	○
Independent operation in intermediate season	○
Ventilation mode change over (Auto / HRV / Normal)	○
Air flow change over (Auto / High / Low)	○
Setting of precooling / preheating	□
Setting of fresh-up operation	□
Filter sign display	○

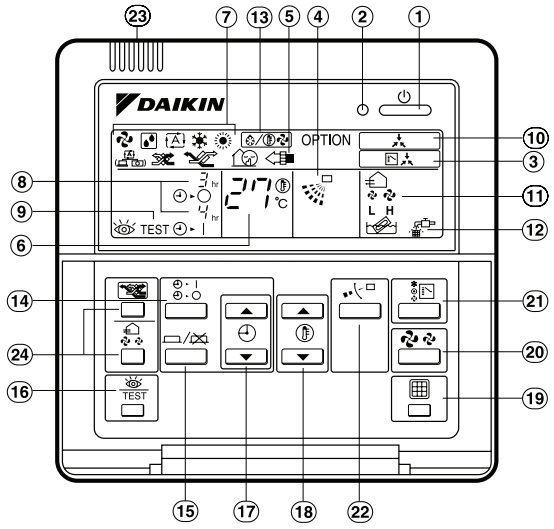
□: Initial Setting Only (Field setting by well known service person)

- Easier to read because LCD screen is larger.
- Digital display lets you set temperature in 1°C units.
- Lets you individually program by timer the respective times for operation start and stop within a maximum of 72 hours.
- Equipped with a thermostat sensor in the remote controller that makes possible more comfortable room temperature control.
- Enables you to select cool/heat/fan operation mode with the indoor remote controller of your choice without using the cool/heat selector.
- Constantly monitors malfunctions in the system for 80 items, and is equipped with a "self-diagnosis function" that lets you know by message immediately when a malfunction occurs.
- Lets you carry out various field settings by remote controller.
- Enables you to select the ventilation mode and the volume of the HRV.
- The rubber switch and the oil-resisting resin casing have been adopted for durability.

*When the auto-swing function is not available, the message, THIS FUNCTION IS NOT AVAILABLE is displayed when the wired direction adjustment button is pressed.

Dimensions





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1. **On/off button**
   Press the button and the system will start. Press the button again and the system will stop.
2. **Operation lamp (red)**
   The lamp lights up during operation.
3. **Display “ ” (changeover under control)**
   It is impossible to changeover heat/cool with the remote controller which display this icon.
4. **Display “ ” (air flow flap)**
5. **Display “ OPTION ” (ventilation/air cleaning)**
   This display shows that the ventilation unit are in operation. (these are optional accessories)
6. **Display “ ” (set temperature)**
   This display shows the temperature you have set.
7. **Display “ ” “ ” “ ” “ ” “ ” (operation mode)**
   This display shows the current operation mode.
8. **Display “ ” (programmed time)**
   This display shows the programmed time of the system start or stop.
9. **Display “ TEST ” (inspection/test operation)**
   When the inspection/test operation button is pressed, the display shows the mode in which the system actually is.
10. **Display “ ” (under centralized control)**
    When this display shows, the system is under centralized control. (This is not a standard specification.)
11. **Display “ ” (fan speed)**
    This display shows the fan speed you have selected.
12. **Display “ ” (time to clean air filter)**
13. **Display “ ” (defrost/hot start)**
14. **Timer mode start/stop button**
15. **Timer on/off button**
16. **Inspection/test operation button**
    This button is only used by qualified service persons for maintenance purposes.
17. **Programming time button**
    Use this button for setting the programming start and/or stop time.
18. **Temperature setting button**
    Use this button for setting the desired temperature.
19. **Filter sign reset button**
    Refer to the operation manual of indoor unit.
20. **Fan speed control button**
    Press this button to select the fan speed of your preference.
21. **Operation mode selector button**
    Press this button to select the operation mode of your preference.
22. **Air flow direction adjust button**
23. **Thermistor**
    It sense the room temperature around the remote controller.
24. **These button are used when the ventilation unit are installed (These are optional accessories)**
    Refer to the operation manual of the ventilation unit.

NOTE

- In contradistinction to actual operating situations, the display on figure 1 shows all possible indications.
- Above figure shows the remote controller which is opened the cover.
- If that particular function is not available, pressing the button may display the words “NOT AVAILABLE” for a few seconds.
  When running multiple units simultaneously the “NOT AVAILABLE” message will only be appear if none of the indoor units is equipped with the function. If even one unit is equipped with the function, the display will not appear.

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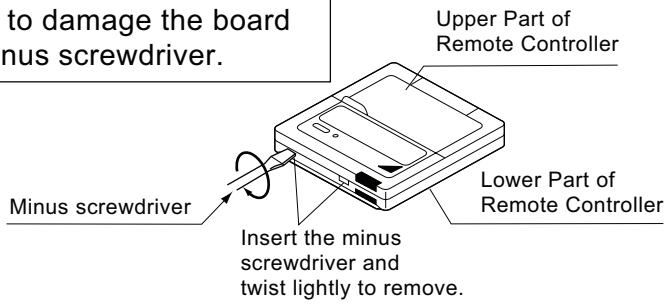
Installation

1.Remove the upper part of remote controller.

Insert minus screwdriver into the slots in the lower part of remote controller (2 places), and remove the upper part of remote controller.

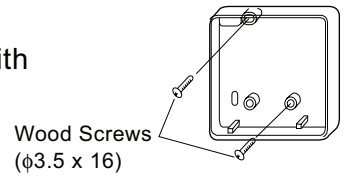
The PC board is mounted in the upper part of remote controller. Be careful not to damage the board with the minus screwdriver.

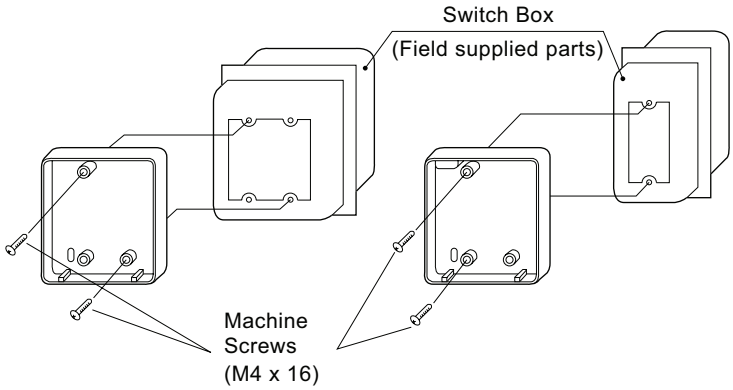


2.Fasten the remote controller.

① For exposed mounting, fasten with the included wood screws (2).

② For flush-mounting, fasten with the included machine screws (2).





For the field supplied switch box, use optional accessories KJB111A or KJB211A.

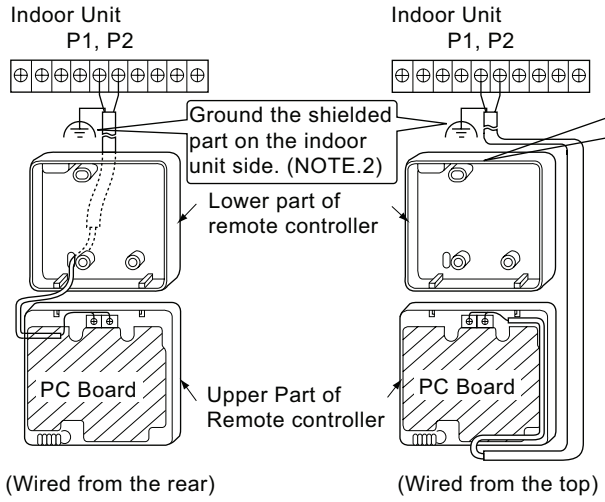
NOTE

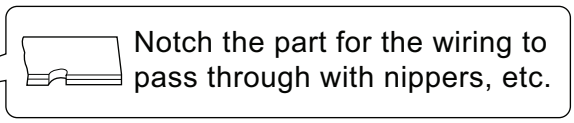
Choose the flattest place possible for the mounting surface. Be careful not to distort the shape of the lower part of remote controller by over-tightening the mounting screws.

3.Wire the indoor unit.

Connect the terminals on top of the upper part of remote controller (P1, P2), and the terminals of the indoor unit (P1, P2). (P1 and P2 do not have polarity.)

NOTE
When wiring, run the wiring away the power supply wiring in order to avoid receiving electric noise (external noise).

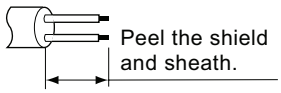




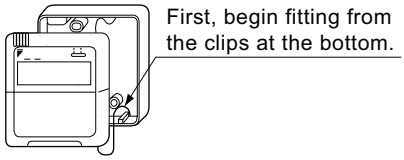
Wiring Specifications

Wiring Type	Sheathed vinyl code or cable (2 wire) (NOTE.2)
Size	0.75 – 1.25 mm^2

NOTE) 1.Peel the shield and sheath for the part that is to pass through the inside of the remote controller case, as shown in the figure below.



2. Shield wire (2 wire) can be used for remote controller wiring, but it must confirm to EMC (Electromagnetic Compatibility) (European Directive).



4.Reattach the upper part of remote controller.

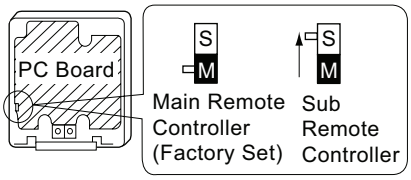
Be careful not to pinch the wiring when attaching.

NOTE

1.The switch box and wiring for connection are not included.
2.Do not directly touch the PC board with your hand.

If controlling one indoor unit with two remote controllers

Change the MAIN/SUB changeover switch setting as described below.



Set one remote controller to“main,” and the other to “sub.”

NOTE

- If controlling with one remote controller, be sure to set it to “main.”
- Set the remote controller before turning power supply on.

“ 88 ” is displayed for about one minute when the power supply is turned on, and the remote controller cannot be operated in some cases.

FIELD SETTING

If optional accessories are mounted on the indoor unit, the indoor unit setting may have to be changed. Refer to the instruction manual for each optional accessory.

Procedure

① When in the normal mode, press the " TEST " button for a minimum of four seconds, and the FIELD SET MODE is entered.

② Select the desired MODE NO. with the " " button.

③ During group control, when setting by each indoor unit (mode No. 20, 21 and 23 have been selected), push the " " button and select the INDOOR UNIT NO to be set. (This operation is unnecessary when setting by group.)

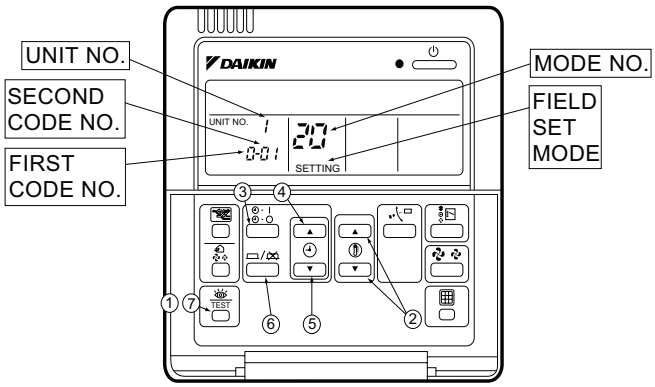
④ Push the " " upper button and select FIRST CODE NO.

⑤ Push the " " lower button and select the SECOND CODE NO.

⑥ Push the " " button once and the present settings are SET.

⑦ Push the " TEST " button for about one second to return to the NORMAL MODE.

(Example) If during group setting and the time to clean air filter is set to FILTER CONTAMINATION - HEAVY, SET MODE NO. to "10," FIRST CODE NO. to "0," and SECOND CODE NO to "02."



Mode No. Note) 1	FIRST CODE NO.	Description of Setting		SECOND CODE No. Note) 2					
				01		02		03	
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 to clean air filter is to be halved)	Ultra-long-life type	Light	Approx. 10,000 hours	Heavy	Approx. 5,000 hours	—	
			Long-life type		Approx. 2,500 hours		Approx. 1,250 hours		
			Standard type		Approx. 200 hours		Approx. 100hours		
	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 (1)		—	
	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 Skyair Simultaneous Operation System Indoor Units(Setting for Simultaneous Operation System)		Pair		Twin		—	
13(23)	0	High Celling Setting (Setting for when installed in a Ceiling higher than 2.7m)		Normal		High Ceiling 1		High Ceiling 2	
	1	Selection of Air Flow Direction (Setting for when a blocking pad kit has been installed)		F		T		W	
	3	Air Flow Direction Adjust Function (To be set when decoration panel for air outlet is installed)		Equippeed		No Equippeed		—	
	4	Air Flow Direction Range Setting		Upper		Normal		Lower	
	6	Setting the External Static Pressure (Setting according to the connected duct resistance) (For FHYK, follow the High Ceiling Setting)		Normal (Normal)		High Static Pressure (High Ceiling)		Low Static Pressure —	

Note:

1. Setting is carried out in the group mode, however, set the mode number inside the ( ) for individual setting of the each indoor unit or confirmation after setting.
2. The SECOND CODE number is set to "01" when shipped from the factory.
   However for the following cases it is set to "02".
   ●Air flow direction range setting.
3. Do not make any settings not given in the table above.
4. Not displayed if the indoor unit is not equipped with that function.
5. When returning to the normal mode, "88" may be displayed in the LCD in order for the remote controller to initialize itself.

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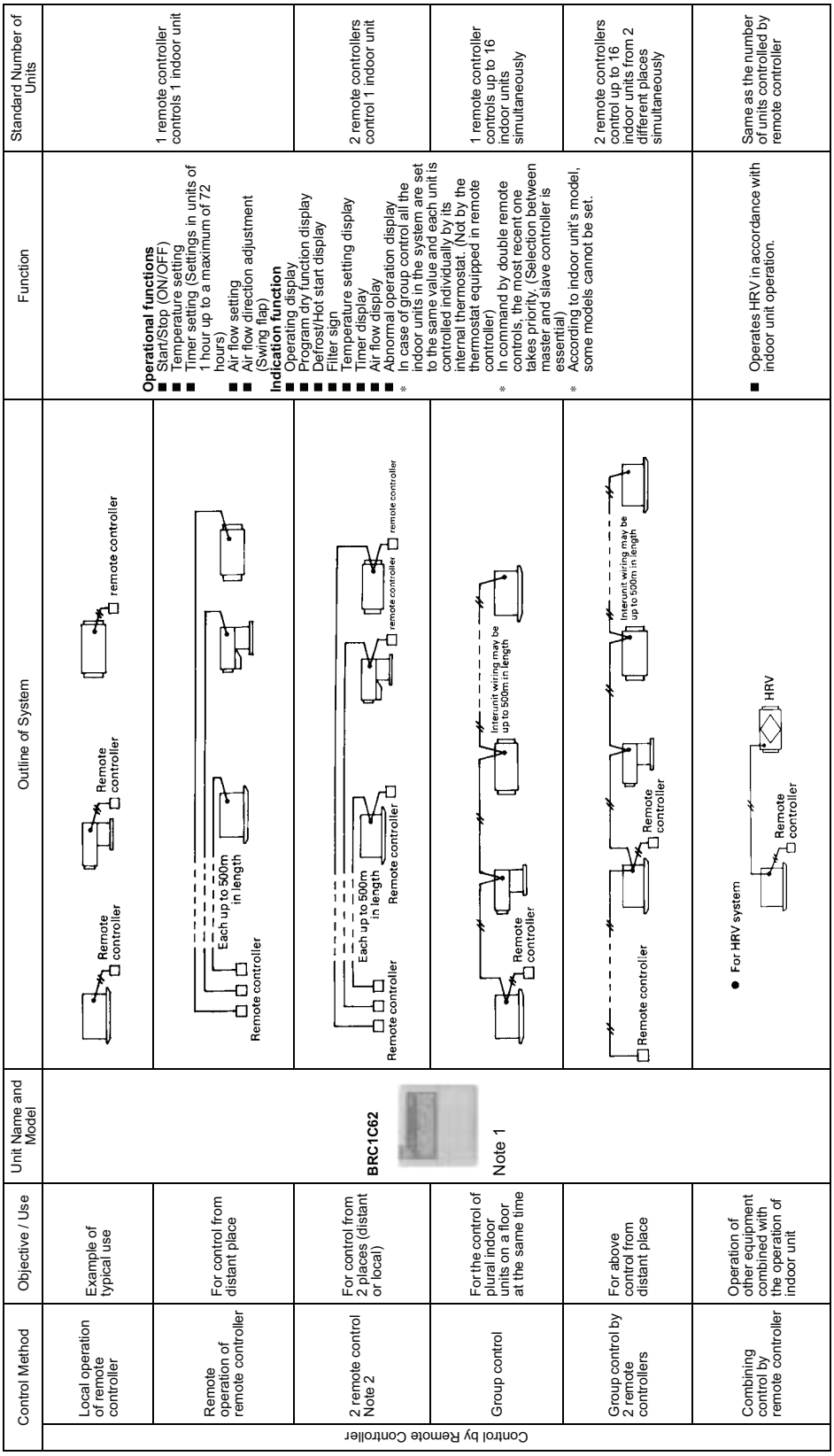
Various Control by Liquid Crystal Remote Controller

For more effective localized environmental control Daikin offers various control systems such as single or double remote control or centralized control. This enables the construction of a variety of operational control systems which can be adapted for various uses from remote control.



Note:

1. These figures above show the system using wired remote controllers. Wireless remote controller replaced for wired remote controller can be used for same control.
2. In control by two remote controllers, one of two remote controllers must be a wired remote controller. Two wireless remote controllers must not be used.

Warning

- 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 unauthorized 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.

For any inquiries, contact your local distributor.

Cautions on product corrosion

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

The air conditioners manufactured by Daikin Industries have received **ISO 9001** certification for quality assurance.

Certificate Number. **JMI-0107**
JQA-0495
JQA-1452

All Daikin Industries locations and subsidiaries in Japan have received environmental management system standard **ISO 14001** certification.

Daikin Industries, Ltd.
Domestic Group
Certificate Number. EC99J2044

About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

Dealer

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