

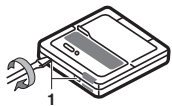
**DAIKIN**



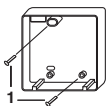
# INSTALLATION MANUAL

## Remote controller

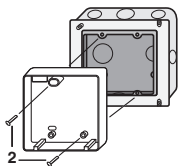
BRC315D7



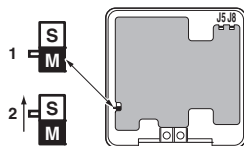
1



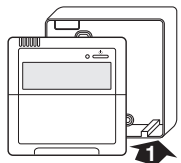
2



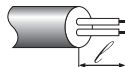
2



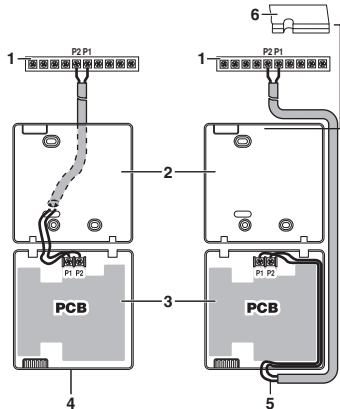
3



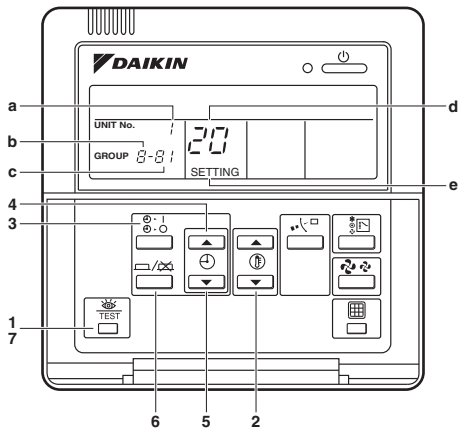
4



5



6



7



READ THIS MANUAL ATTENTIVELY BEFORE STARTING UP THE UNIT. DO NOT THROW IT AWAY. KEEP IT IN YOUR FILES FOR FUTURE REFERENCE.



IMPROPER INSTALLATION OR ATTACHMENT OF EQUIPMENT OR ACCESSORIES COULD RESULT IN ELECTRIC SHOCK, SHORT-CIRCUIT, LEAKS, FIRE OR OTHER DAMAGE TO THE EQUIPMENT. BE SURE ONLY TO USE ACCESSORIES MADE BY DAIKIN WHICH ARE SPECIFICALLY DESIGNED FOR THE USE WITH THE EQUIPMENT AND HAVE THEM INSTALLED BY A PROFESSIONAL.

IF UNSURE OF INSTALLATION PROCEDURES OR USE, ALWAYS CONTACT YOUR DEALER FOR ADVICE AND INFORMATION.

The English text is the original instruction. Other languages are translations of the original instructions.

The equipment is not intended for use in a potentially explosive atmosphere.

### The kit includes the following parts:

| Remote controller | Wood screws |
|-------------------|-------------|
|                   |             |

| Wall plugs | Machine screws |
|------------|----------------|
|            |                |

## 1. Remove the upper part of remote controller (Refer to figure 1)

Insert a minus screwdriver into the slots (1) in the lower part of the remote controller (2 places), and remove the upper part of the remote controller.



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

## 2. Fasten the remote controller (Refer to figure 2)

- for exposed mounting, fasten with the 2 included wood screws (Ø4x30) and plugs.
- for flush-mounting, fasten with the 2 included machine screws (M4x16).

For the field supplied switch box, use optional accessory 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 the remote controller by overtightening the mounting screws.

### 3. Wire the indoor unit (Refer to figure 6)

- 1 indoor unit
- 2 lower part of the remote controller
- 3 upper part of the remote controller
- 4 wired from the rear
- 5 wired from the top
- 6 notch the part for the wiring to pass through with nippers, etc.

Connect the terminals on top of the upper part of the 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 from the power supply wiring in order to avoid receiving electric noise (external noise).



### Wiring specifications

| Wiring type | Size                      |
|-------------|---------------------------|
| 2 wire      | 0.75–1.25 mm <sup>2</sup> |

**NOTE** Peel the shield for the part that has to pass through the inside of the remote controller case (✓). Refer to figure 5.



### 4. Reattach the upper part of the remote controller



Be careful not to pinch the wiring when attaching.

Refer to figure 4.

First begin fitting from the clips at the bottom.

- 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 1 indoor unit or 1 group of indoor units with 2 remote controllers

Change the MAIN/SUB changeover switch setting as described below (Refer to figure 3).

- 1 Main remote controller (factory set)
- 2 Sub remote controller

Set 1 remote controller to "main", and the other to "sub".

- NOTE**
1. If controlling with 1 remote controller, be sure to set it to "main".
  2. Set the remote controller before turning the power supply on.



"88" is displayed for about 1 minute when the power supply is turned on. During this time the remote controller can not be operated.








## 5. Field settings

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.

Refer to [figure 7](#).

- a Unit NO
- b First Code NO
- c Second Code NO
- d Mode NO
- e Field set mode

### Procedure (Refer to [figure 7](#))

- 1 When in the normal mode, press the  button for a minimum of 4 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, 22 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  button to return to the NORMAL MODE.

## Example

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

### NOTE



1. Setting is carried out in the group mode, however, if the mode number inside the parentheses is selected, indoor units can also be set individually.
2. The SECOND CODE number is set to "01" when shipped from the factory.
3. Do not make any settings not given in the table.
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.
6. It is not possible to change field settings on the remote controller that is set to "sub".
7. Changing of operation mode may not be available for some models.
8. Do not set the filter type as standard filter on FWF+FWC types.

## 6. Enabling the operation change

### button (Refer to figure 3)

Cut off the jumper wire (J8) at the the top right corner of the remote controller PCB to enable the customer to change the operation mode with the operation change button "⏏".

---

**NOTE** If a centralised remote controller is used, it is better to cut jumper "J8" to have control with the wired remote controller.

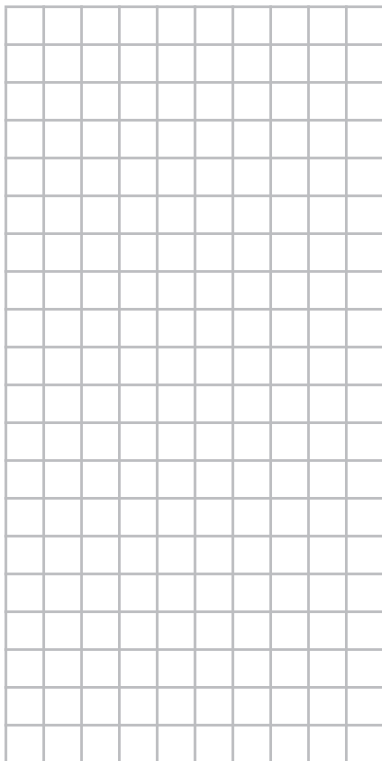


## 7. Enabling auto mode heating/ cooling display (Refer to figure 3)

Normally, if auto mode is selected, "⏏" icon will be shown on the remote controller, but it will not be shown when the unit is in heating or cooling mode.

If jumper "J5" is cut, the heating or cooling icon will also be shown while the unit is in auto mode.

## NOTES



| Mode No. <sup>(*)</sup> | FIRST CODE NO. | Description of setting   | SECOND CODE NO. <sup>(†)</sup> |   |                                      |                  |                            | Factory setting |       |  |
|-------------------------|----------------|--|--------------------------------|---|--------------------------------------|------------------|----------------------------|-----------------|-------|--|
|                         |                |  | 01                             | 02  | 03                                   | FWF + FWC        | other FW types             |                 |       |  |
| 10(20)                  | 0              | Filter Contamination - Heavy/Light<br>(Setting for spacing time of display time to clean air filter)<br>(Setting for when filter contamination is heavy, and spacing time of display time to clean air filter is to be halved) | Long life filter               | Light   | Approx. 2500 hrs.                    | Heavy            | Approx. 1250 hrs.          | -               | Light |  |
|                         |                |  | Standard filter                |   | Approx. 200 hrs.                     |                  | Approx. 100 hrs.           |                 |       |  |
|                         | 1              | Long-life filter type (setting of filter sign indication time)   | Long-life filter               | -   | Standard filter <sup>(‡)</sup>       | Long-life filter | Standard filter            |                 |       |  |
|                         | 2              | Thermostat sensor in remote controller   | Use                            | Not used  | -                                    | Not used         |                            |                 |       |  |
| 12(22)                  | 2              | Airflow over thermistor during thermo off  | L (LL)                         | OFF   | Remote controller selected fan speed | L (LL)           | L                          |                 |       |  |
|                         |                |  | 8                              | ON/OFF input from outside (setting for when forced ON/OFF is to be operated from outside) | Forced OFF                           | ON/OFF operation | Protective equipment input | Forced OFF      |       |  |
|                         | 0              | High air outlet velocity (for high ceiling applications)   | ≤2.7 m                         | >2.7≤3.0 m  | >3.0≤3.5 m                           | ≤2.7 m           | -                          |                 |       |  |
| 13(23)                  | 1              | Selection of air flow direction (setting for when a blocking pad kit has been installed)   | 4-way flow                     | 3-way flow  | 2-way flow                           | 4-way flow       | -                          |                 |       |  |
|                         | 4              | Air flow direction range setting   | Upper                          | Normal  | Lower                                | Normal           | -                          |                 |       |  |

(\*) Setting is carried out in the group mode, however, if the mode number inside the parentheses is selected, indoor units can also be set individually.

(†) The SECOND CODE number is set to "01" when shipped from the factory.

(‡) Can not be selected on FWF and FWC units.



\*4PW64948-1 0000001\*

Copyright 2010 Daikin

**DAIKIN EUROPE N.V.**

Zandvoordestraat 300, B-8400 Oostende, Belgium

4PW64948-1 10.2010