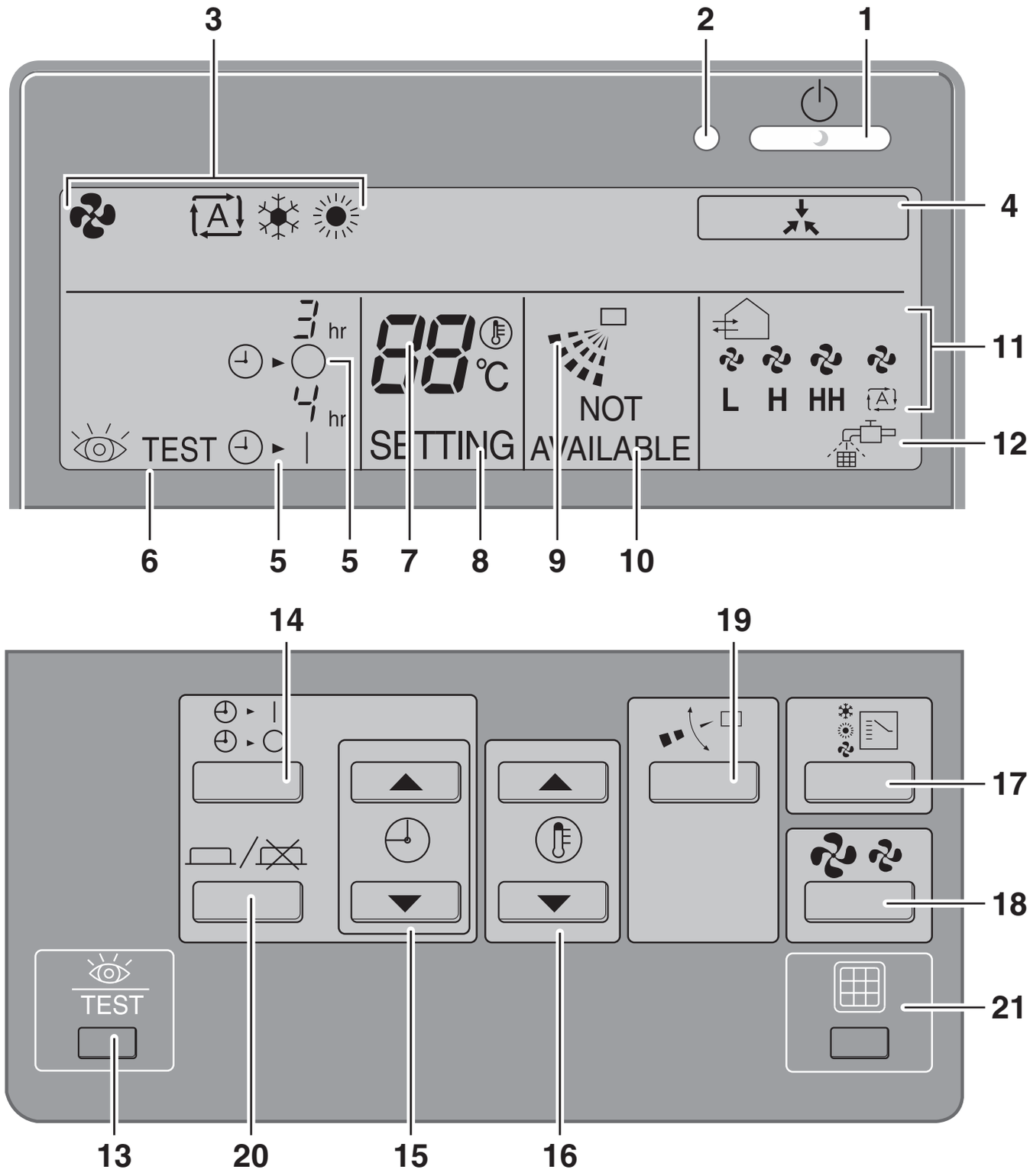
DAIKIN

OPERATION MANUAL

Remote controller

BRC315D7


3
2
1
4
11
12
3 hr
4 hr
TEST
88 °C
SETTING
NOT
AVAILABLE
L H HH
6
5
5
7
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14
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17
18
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TEST
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16

THANK YOU FOR PURCHASING THIS CONTROLLER. READ THE MANUAL ATTENTIVELY BEFORE USING THE INSTALLATION. AFTER READING THE MANUAL, STORE IT IN A SAFE PLACE FOR FUTURE USE.

Before initial operation, contact your dealer to obtain all details concerning your air conditioning installation.

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

This appliance is not intended for use by persons, including children, with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.

Warning

- Never let the remote controller get wet, this may cause an electric shock or fire.
- Never press the buttons of the remote controller with a hard, pointed object. The remote controller may be damaged.
- Never inspect or service the remote controller yourself, ask a qualified service person to do this.

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1. Features and functions

The BRC315D7 is a remote controller that offers control over your installation.

1 BASIC REMOTE CONTROLLER

The basic remote controller functions are:
- ON/OFF,
- operation mode change-over,
- temperature adjustment,
- air volume adjustment,
- air flow direction adjustment.

2. Name and function of switches and icons (Refer to figure 1)

1 ON/OFF BUTTON

Press the ON/OFF button to start or stop the system.

2 OPERATION LAMP

The operation lamp lights up during operation or blinks if a malfunction occurs.

3 OPERATION MODE ICON

These icons indicate the current operation mode (FAN, AUTOMATIC, COOLING, HEATING).

4 EXTERNAL CONTROL ICON

This icon indicates that another controller with higher priority is controlling or disabling your installation.

5 ON/OFF TIMER ICON

This icon indicates that the ON/OFF timer is enabled.

6 INSPECTION REQUIRED TEST

This icon indicates that inspection is required. Consult your installer.

7 SET TEMPERATURE DISPLAY

This indicates the current set temperature of the installation.

8 SETTING SETTING

Not used, for service purposes only.

9 AIR FLOW DIRECTION ICON

This icon indicates the air flow direction (only for installations with motorised air flow flaps).

10 NOT AVAILABLE NOT AVAILABLE

NOT AVAILABLE is displayed whenever a non-installed option is addressed or a function is not available.

When multiple indoor units are connected on the same remote controller, "NOT AVAILABLE" will only be shown if none of the connected units have this function.

11 FAN SPEED ICON L H HH A

This icon indicates the set fan speed.

12 AIR FILTER CLEANING TIME ICON

This icon indicates the air filter must be cleaned. Refer to the manual of the indoor unit.

13 INSPECTION/TEST OPERATION BUTTON TEST

Not used, for service purposes only.

14 ON/OFF TIMER BUTTON

This button enables or disables the ON/OFF timer.

15 TIME ADJUST BUTTON

These buttons are used to adjust the timer, when in programming mode, to adjust the programmed action time. Both buttons have an auto-repeat function.

16 TEMPERATURE ADJUST BUTTONS

These buttons are used to adjust the current setpoint (16~32°C) (step = 1°C).

17 OPERATION CHANGE BUTTON

This button can be used to select the operation mode of the installation (FAN, AUTOMATIC, COOLING, HEATING).

This function is default not available. This function is activated when the jumper (J8) wire is cut off. See installation manual on how to cut off the jumper (J8).

18 FAN SPEED BUTTON

This button toggles between L (Low), H (High), HH (very High), (Automatic).

19 AIR FLOW DIRECTION ADJUST BUTTON

This button enables to adjust the air flow direction.

20 TIMER PROGRAM BUTTON /

This button confirms or cancels the ON/OFF timer.

21 AIR FILTER CLEANING TIME ICON RESET BUTTON

This button is used to reset the air filter cleaning time icon.

3. Description of the operation modes

1 FAN ONLY OPERATION

In this mode, air only circulates without heating or cooling.

2 AUTOMATIC OPERATION

In this mode, the controller will automatically switch between heating and cooling as required by the setpoint or limit temperature.

3 COOLING OPERATION

In this mode, cooling will be activated as required by the setpoint or limit temperature.

Only for 2 pipe indoor units: if the water temperature is not in the cooling range, the icon will be blinking.

4 HEATING OPERATION

In this mode, heating will be activated as required by the setpoint or limit temperature.

Only for 2 pipe indoor units: if the water temperature is not in the heating range, the icon will be blinking.

4. Operation

Manual operation

In manual operation, the user decides about the settings of the installation. The last setting remains active until the user changes it.

As the controller can be implemented for a wide variety of installations and features, it might occur that you select a function that is not available on your installation; if this is the case, the NOT AVAILABLE message will appear.

Use the button to select the desired operation mode if the jumper J8 is cut off.

	Fan only operation
A	Automatic operation
	Cooling operation
	Heating operation

1 FAN ONLY OPERATION

User adjustable parameters:

- fan speed, use the button,
- air flow direction adjust, use the button.

2 AUTOMATIC OPERATION

User adjustable parameters:

- setpoint temperature, use the and buttons,
- fan speed, use the button,
- air flow direction adjust, use the button.

3 COOLING OPERATION

User adjustable parameters:

- setpoint temperature, use the ▲ and ▼ buttons,
- fan speed, use the button,
- air flow direction adjust, use the button.

4 HEATING OPERATION

User adjustable parameters:

- setpoint temperature, use the ▲ and ▼ buttons,
- fan speed, use the button,
- air flow direction adjust, use the button.

ON/OFF timer operation

The actions programmed in the ON/OFF timer will be executed automatically.

The ON/OFF timer always executes the last command; this means the user can temporarily overrule the last executed programmed action. Refer to "Manual operation" on page 3. The next programmed action (in the ON/OFF timer) will return control to the ON/OFF timer.

Use the button to enable or disable the ON/OFF timer.

NOTE

The ON/OFF timer overrules the button, only use the button to enable or disable the ON/OFF timer. The ON/OFF timer is enabled when the icon is visible. The button only overrules the ON/OFF timer until the next programmed action.

To set up the TIMER refer to chapter "5. Programming the ON/OFF timer" on page 5.

What can the ON/OFF timer do?

The concept of the ON/OFF timer is simple, straightforward though powerful.

The ON/OFF timer can order 2 actions:

1 switch off the installation (end of control)

2 switch on the installation at a scheduled time

What will the ON/OFF timer do?

If enabled, the ON/OFF timer will execute the programmed actions.

It will order the installation to:

- switch off the installation (the ON timer remains enabled and reactivates the installation as programmed); the operation lamp will turn off,

OR

- switch on the installation (the OFF timer remains enabled and will switch the installation off as programmed); the operation lamp will turn on.

What will the ON/OFF timer NOT do?

The ON/OFF timer will not:

- control fan speed,
- control air flow direction,
- change the operation mode,
- change the setpoint.

The parameters listed above can be set manually, without interfering with the ON/OFF timer.

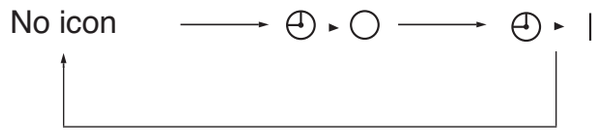
More sophisticated remote controllers are available. Consult your dealer for more information.

5. Programming the ON/OFF timer

How to program the ON/OFF timer?

1 Select ON/OFF timer to program

Press the ON/OFF timer button to select the ON timer or OFF timer.



The icon will be blinking until the programming is finalized.

2 Choose the time for the timer.

Press the time adjust button and set the time.

Each time pushed ▲ will increase the time with 1 hour.

Each time pushed ▼ will decrease the time with 1 hour.
Maximum 72 hours can be selected.

3 Confirm the ON or OFF timer.

Push the timer program button to complete the setting. The icon or icon will stop blinking and be displayed normally. The remaining time until the action will be indicated in hours.

4 Cancellation of the timer

Press the timer program button to cancel the programmed timer.

How to program the OFF timer and the ON timer at the same time?

Example:

Stop operation after 3 hours, then start the operation again after 1 hour.

Manner of programming:

Setting OFF timer after 3 hours and ON timer after 4 hours.

1 Push the ON/OFF timer button until the OFF timer icon is blinking.

2 Push the time adjust button and select 3 hours.

3 Push the timer program button. OFF timer is programmed after 3 hours.

4 Push the ON/OFF timer button until the ON timer icon is blinking.

5 Push the time adjust button and select 4 hours.

6 Push the timer program button. ON timer is programmed after 4 hours.

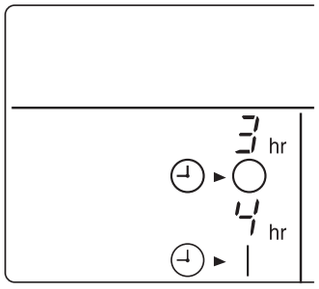
The settings are complete.

NOTE

The OFF timer has a higher priority then the ON timer in case the timers are both programmed on the same time.

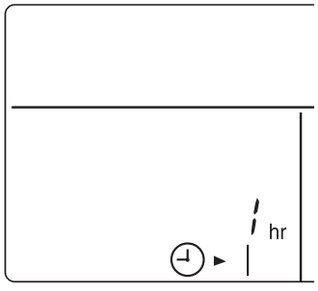
If the action is finished, it needs to be reprogrammed in case it is needed again.

The remaining hours are displayed after the settings are completed.



OFF timer = 3 hours

ON timer = 4 hours



Stop operation after 3 hours

1 hour left until the operation starts

All settings are finished

6. Maintenance

The remote controller does not need maintenance.

Remove dirt with a soft damp cloth.

NOTE Only use clear tapid water to moisten the cloth.

7. Troubleshooting

The guidelines below might help to solve your problem. If you cannot remedy the problem, consult your installer.

No readings on the remote controller (display blank)

Check if the mains power is still applied to your installation.

Only 88 is displayed

This indicates that the installation has just been powered, please wait until 88 disappears.

I cannot enable the ON/OFF timer (the NOT AVAILABLE icon is displayed)

The ON/OFF timer can not be enabled when a centralised control is connected.

Notes

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