

# technical data



Individual control systems

## Individual control systems

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### 1 Possible individual control systems



#### Simplified remote control - BRC2A51

- · simple, compact and easy to operate unit
- suitable for use in hotel bedrooms
- **Operation buttons:**
- ON / OFF
- Operation mode selection
- Fan speed control
- Temperature setting

#### Display

- Cool / heat changeover control
- Heat Recovery Ventilation (HRV) in operation
- Set temperature
- Operating mode
- · Centralised control indication
- Fan speed
- Defrost / hot start
- Malfunction adjustment
- · Operating mode selection
- Fan speed control
- Filter sign reset
- Inspection test / operation



## Simplified remote control for hotel applications - BRC3A61

- compact, user friendly unit
- ideal for use in hotel bedrooms
- **Operation buttons:**
- ON / OFF
- Fan speed control
- Temperature setting

#### Display

- Heat Recovery Ventilation (HRV) in operation
- Set temperature
- Operating mode
- Centralised control indication
- Fan speed
- Defrost / hot start
- Malfunction



#### Infrared remote control -BRC4C\* / BRC7C\*

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#### **Operation buttons:**

- ON / OFF
- Timer mode start / stop
- Timer mode on / off
- Programmed time
- Temperature setting
- Air flow direction (FXH, FXYFP, FXYCP and FXYAP models only)
- Operating mode
- Fan speed control
- Filter sign reset
- Inspection test / operation

#### Display

- Operating mode
- Battery change
- Set temperature
- · Air flow direction (FXH, FXYFP, FXYCP and FXYAP models only)
- Programmed time
- Inspection test / operation
- Fan speed

### 1 Possible individual control systems

NEW



BRC1D517



BRC1C517



- Limit operation (min./max.): room temperature is controlled within adjustable upper and lower limits. Limit operation can be activated manually or by schedule timer
- Real time clock: indicates real time and day
- Schedule timer:
- -It is possibie to programme a weekly schedule timer
  - -It is possible to programme the remote control for each day of the week. Five day actions can be set as follows:
  - -set point: unit is switched ON and normal operation is maintained
  - -OFF: unit is switched OFF
  - -limits: unit is switched ON and min./max. control (cf.limit operation for more details)
- Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF
- Different levels of disabled buttons can be selected as follows:
  - level 1: all buttons are accessible
  - level 2: all buttons are disabled except for:
    - -ON/OFF
    - -set temperature up/down
    - -fan speed
    - -cooling/heating mode
    - -enable/disable schedule timer
  - -air flow direction adjustment button - Level 3: all buttons are disabled except for:
  - -ON/OFF
  - -011/011
  - -set temperature up/down
  - -fan speed
  - · User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
  - · Constantly monitoring of the system for malfunctions in a total of 80 components
  - Immediate display of fault location and condition
  - Reduction of maintenance time and costs

#### **Operation buttons:**

- ON / OFF
- Timer mode start / stop
- Timer on / off
- Programmed time
- Temperature setting
- · Air flow direction adjustment
- Operating mode selection
- Fan speed control
- Filter sign reset
- Inspection test / operation

#### Display

- Operating mode
- · Heat Recovery Ventilation (HRV) in operation
- · Cool / heat changeover control
- · Centralised control indication
- Group control indication
- Set temperature
- · Air flow direction
- Programmed time
- · Inspection test / operation
- Fan speed
- Clean air filter
- Defrost / hot start
- Malfunction

#### NOTE

1 New functions are only valid for the BRC1D517.

## 2 BRC2A51 - Simplified remote control

### 2-1 Explanation of buttons and functions



1	ON/OFF BUTTON	0	DISPLAY ' 🗞 🤣 (FAN SPEED)
	Press the button and the system will start. Press the button again and the system will stop.	0	The display shows the fan speed: "HIGH" or "LOW".
2	OPERATION LAMP (RED)		DISPLAY '(@/@@)' (DEFROST/HOT START)
2	The lamp lights up during operation and blinks in case of stop due to malfunction.	9	Indicates that defrost or hot start (during which the fan is stopped till the temperature of air supply rises enough
	DISPLAY ' [ ] . (CHANGEOVER UNDER CONTROL)		at the start of a heating run) is in progress.
3	It is impossible to changeover heat/cool with the remote controller when it shows this display. (As for details, see		TEMPERATURE SETTING BUTTON
	"SETTINGS OF MASTER REMOTE CONTROL" in the operation manual attached to the indoor unit.).		Use this button for SETTING TEMPERATURE of the thermostat.
	DISPLAY " ∉ "," <€■ ","OPTION" (VENTILATION / AIR CLEANING)	10	▲; Each press raises the set temperature by 1°C.
4	This display shows that the total heat exchange unit and the air deaning unit are in operation. (These are optional		▼; Each press lowers the set temperature by 1°C.
	accessories.).		The variable temperature range is 16°C tot 32°C.
5	DISPLAY ' المَّارِينَّ (SET TEMPERATURE)	11	FAN SPEED CONTROL BUTTON
5	This display shows the set temperature. Only given during a cooling or heating operation.		Press this button to select the fan speed, HIGH or LOW, of your choice.
	DISPLAY ' 🗞 ' ' 🚓 ' ' 🎄 ' ' 🌸 ' (OPERATION MODE)	12	OPERATION MODE SELECTOR BUTTON
6	This display shows the current OPERATION MODE.	12	Press this button to select OPERATION MODE.
	'  ' is not available with outdoor units specially designed for cooling only.		DISPLAY ' 🔊 ' (MALFUNCTION)
	$(\underline{A})$ is reserved only for outdoor units capable of heat recovery.	13	Indicates malfunction and blinks if the unit stops operating due to the malfunction.
7	DISPLAY ' 🙏 ' (UNDER CENTRALIZED CONTROL)		(As for details, see "TROUBLE SHOOTING" in the operation manual attached to the indoor unit.)
<i>′</i>	When this display shows, the system is UNDER CENTRALIZED CONTROL. (This is not a standard specification)		

NOTE

1 Please note that the display shows all indications for the purpose of explanation only. This is contrary to actual running situations.

## **3** BRC3A61 - Simplified remote control for hotel applications

### 3-1 Dimensional drawing



## **3 BRC3A61 - Simplified remote control for hotel applications**

### 3-2 Explanation of buttons and functions



1	ON/OFF BUTTON	7	DISPLAY ' 💤 🛷 ' (FAN SPEED)
	Press the button and the system will start. Press the button again and the system will stop.	] ′	The display shows the set fan speed: 'HIGH' or 'LOW'.
	OPERATION LAMP (RED)		DISPLAY ' (DEFROST/HOT START)
2	The lamp lights up during operation or blinks if a malfunction occurs.	8	Indicates that defrost or hot start (during which the fan is stopped till the temperature of air supply rises enough at the start of a heating run) is in progress.
	DISPLAY " ∰ "," <⊜ " (VENTILATION / AIR CLEANING)		TEMPERATURE SETTING BUTTON
3	This display shows that the total heat exchange unit is in operation.		Use this button for SETTING TEMPERATURE of the thermostat.
	(These is an optional accessory).	9	▲; Each press raises the set temperature by 1°C.
4	DISPLAY ' - '' ', @ ' (SET TEMPERATURE)		▼; Each press lowers the set temperature by 1°C.
	This display shows the set temperature. Only given during a cooling or heating operation.		The variable temperature range is 16°C tot 32°C.
	DISPLAY '&'' (♪'' (☆'' (☆'') (OPERATION MODE)	10	FAN SPEED CONTROL BUTTON
5	This display shows the current OPERATION MODE.		Press this button to select the fan speed, HIGH or LOW, of your choice.
	' $ ightarrow$ ' is not available with outdoor units specially designed for cooling only.		DISPLAY ' 🚕 ' (MALFUNCTION)
	$(\overline{A})$ is reserved only for heat recovery outdoor units.	11	Indicates malfunction and blinks if the unit stops operating due to the malfunction.
6	DISPLAY ' 📩 ' (UNDER CENTRALIZED CONTROL)		(As for details, see "TROUBLE SHOOTING" in the operation manual attached to the indoor unit.)
	When this display shows, the system is UNDER CENTRALIZED CONTROL. (This is not a standard specification)		

#### NOTES

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1 Please note that the display shows all indications for the purpose of explanation only. This is contrary to actual running situations.

2 This remote controller does not have "AIR FLOW DIRECTION ADJUST BUTTON." Don't operate the flap adjusting air flow direction by your hand. (FXFQ, FXCQ, FXAQ, FXKQ)

## 4 BRC1D517 - Wired remote control

### 4-1 Dimensional drawing



### 4 BRC1D517 - Wired remote control

### 4-2 Explanation of buttons and functions



1	ON/OFF BUTTON ' $_{\_}$	<u>ل</u>		12	MNIIMUM SET TEMPERATURE ' 🛛 🖓 min '
	Press the ON/OFF button to	start or stop the system.		CI CI	The minimum set temperature indicates the minimum set temperature when in limit operation.
2	OPERATION LAMP '	O'		14	SCHEDULE TIMER ICON ' (-) '
2	The operation lamp lights u	p during operation or blinks if a malfunction occurs.		14	This icon indicates that the schedule timer is enabled.
2	OPERATION MODE I	CON '&''() ('A)''*(')		15	ACTION ICONS ' 1 2 3 4 5 '
2	These icons indicate the cur	rent operation mode (FAN, DRY, AUTOMATIC, COO	LING, HEATING).	10	These icons indicate the actions for each day of the schedule timer.
4	VENTILATION MODE	ICON ' 📇 ',' 🕸 ',' 🖋 '		10	OFF ICON ' OFF '
4	These icons indicate the cur	rent ventilation mode (HRV only) (AUTOMATIC, HEA	AT EXCHANGE, BYPASS).	10	This icon indicates that the OFF action is selected when programming the schedule timer.
	VENTILATION ICON	<b></b> €'		17	INSPECTION REQUIRED ' 🎤 ' and ' 🖝 '
5	The ventilation icon appears	when the ventilation is adjusted with the ventilation	n amount button (HRV only).	1/	These icons indicate that inspection is required. Consult your installer.
	Simultaneously, the ventilation	on amount is indicated by the fan speed icon (see 2	22).		SET TEMPERATURE DISPLAY ' င''''' ''''''''''''''''''''''''''''
6	AIR CLEANING ICON	'<∎′		18	This indicates the current set temperature of the installation (not shown in LIMIT operation or in FAN or DRY
0	This icon indicates that the	air cleaning unit (option) is operational.			mode).
	LEAVE HOME ICON'	ŀ'		10	SETTING ' SETTING '
	The leave home icon shows	the status of the leave home function.		19	Not used, for service purposes only.
7	ON	Leave home is enabled	]	20	AIR FLOW DIRECTION ICON ' 👾 '
	FLASHING	Leave home is active		20	This icon indicates the air flow direction (only for installations with motorised air flow flaps).
	OFF	Leave home is disabled		21	NOT AVAILABLE ' NOT ' AVAILABLE '
0	EXTERNAL CONTROL	LICON ' 🗼 '		21	This is displayed whenever a non-installed option is addressed or a function is not available.
0	This icon indicates that ano	ther controller with higher priority is controlling or di	sabling your installation.	22	FAN SPEED ICON ' 🍖 🏶 '
	CHANGE-OVER UND	er centralised control icon '	JA.	22	This icon indicates the set fan speed.
9	This icon indicates that the c	hange-over of the installation is under centralised cor	ntrol assigned to another indoor	22	DEFROST/HOTSTART MODE ICON ' ( () / () / () / () / () / () / () /
	unit or optional cool/heat se	elector connected to the outdoor unit (= master ren	note controller).	25	This icon indicates that the defrost/hotstart mode is active.
	DAY OF THE WEEK I	NDICATOR 'MON TUE WED THU FRI SAT SUN'		24	AIR FILTER CLEANING TIME ICON ' 🚓 '
10	The day of the week indica	tor shows the current week day (or the set day whe	en reading or programming the	24	This icon indicates the air filter must be cleaned. Refer to the manual of the indoor unit.
	schedule timer).			25	ELEMENT CLEANING TIME ICON '
11	CLOCK DISPLAY '	8:88'		25	This icon indicates the element must be cleaned (HRV only).
	The clock display indicates the	he current time (or the action time when reading or p	orogramming the schedule timer).	26	VENTILATION MODE BUTTON ' 🐲 '
12	MAXIMUM SET TEM	PERATURE ' BBrc'		20	The ventilation mode button operates the HRV; refer to the HRV manual for more details.
12	The maximum set temperat	ure indicates the maximum set temperature when in	limit operation.		

### 4 BRC1D517 - Wired remote control

### 4-2 Explanation of buttons and functions



27	VENTILATION AMOUNT BUTTON ' 💭 '		OPERATION CHANGE/MIN-MAX BUTTON 'max* C
21	This button sets the ventilation amount; refer to the HRV manual for more details.		This button is a multi-purpose button. Depending on the previous manipulations of the user, it can have following
20	INSPECTION/TEST OPERATION BUTTON ' 💩 TEST '	33	functions:
20	Not used, for service purposes only.		1 select the operation mode of the installation (FAN, DRY, AUTOMATIC, COOLING, HEATING)
	PROGRAMMING BUTTON'↔		2 toggle between minimum temperature and maximum temperature when in limit operation
29	This button is a multi-purpose button.	24	SETPOINT/LIMIT BUTTON ' (1) (2) (2) (2)
	Depending on the previous manipulations of the user, the programming button can have various functions.	34	This button toggles between setpoint, limit operation or "OFF" (programming mode only).
20	SCHEDULE TIMER BUTTON' $\oplus$ $\bigotimes$ '	25	FAN SPEED BUTTON ' දෑ දෑ'
50	This button enables or disables the schedule timer.	20	This button toggles between L (Low), H (High), HH (very High), 📾 (Automatic).
	TIME ADJUST BUTTON ' () () () () () () () () () () () () ()	26	AIR FLOW DIRECTION ADJUST BUTTON '⊷大□'
31	These buttons are used to adjust the clock or, when in programming mode, to adjust the programmed action	20	This button enables to adjust the air flow direction.
	time. Both buttons have an auto-repeat function.	27	AIR FILTER CLEANING TIME ICON RESET BUTTON 'IT
	TEMPERATURE ADJUST BUTTON '(È)▲ (È)▼'	57	This button is used to reset the air filter cleaning time icon.
32	These buttons are used to adjust the current setpoint or, when in programming mode, to adjust the programmed setpoint temperature (step = $1^{\circ}$ ). Both buttons are also used to adjust the day of the week.		

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## 5 BRC1C517 - Wired remote control



### 5 BRC1C517 - Wired remote control

### 5-2 Explanation of buttons and functions



1	ON/OFF BUTTON	10	DISPLAY ' 💤 🎣 ' (FAN SPEED)
	Press the button and the system will start. Press the button again and the system will stop.	10	The display shows the set fan speed.
2	OPERATION LAMP (RED)	11	DISPLAY ' 🖓 ' (AIR FLOW FLAP)
2	The lamp lights up during operation.	12	DISPLAY ' 💒 ' (TIME TO CLEAN AIR FILTER)
2	DISPLAY ' , (UNDER CENTRALISED CONTROL)	13	DISPLAY '(@/@@)' (DEFROST)
	When this display shows, the system is UNDER CENTRALISED CONTROL. (This is not a standard specification).	14	TIMER MODE START/STOP BUTTON
4	DISPLAY ' [ 단초] ' (CHANGEOVER UNDER CONTROL)	15	TIMER ON/OFF BUTTON
4	This display shows when the outdoor unit is individual operation system.	16	INSPECTION/TEST OPERATION BUTTON
	DISPLAY " ∉``," <€ "," ﷺ "," ﷺ "," № " (VENTILATION / AIR CLEANING)	10	This button is used only by qualified service persons for maintenance purposes.
5	This display shows that the total heat exchange unit and the air cleaning unit are in operation.	17	PROGRAMMING TIME BUTTON
	These are optional accessories.	17	Use this button for programming "START and/or STOP" time.
	DISPLAY ' 🏕 ' ' 🛃 ' ' 🚓 ' ' 🌸 ' (OPERATION MODE)	10	TEMPERATURE SETTING BUTTON
6	This display shows the current OPERATION MODE. For cooling only type, ' 🔂 ' (Auto) and ' 💓 ' (Heating) are	10	Use this button for SETTING TEMPERATURE.
	not installed.	19	FILTER SIGN RESET BUTTON
7	DISPLAY ' 👑 ' (INSPECTION/TEST OPERATION)	20	FAN SPEED CONTROL BUTTON
/	When the INSPECTION/TEST OPERATION BUTTON is pressed, the display shows the system mode is in.	20	Press this button to select the fan speed, HIGH or LOW, of your choice.
0	DISPLAY ' 킹마 성매' (PROGRAMMED TIME)	21	OPERATION MODE SELECTOR BUTTON
0	This display shows PROGRAMMED TIME of the system start or stop.	21	Press this button to select OPERATION MODE.
0	DISPLAY ' בַייך', יָיָי' (SET TEMPERATURE)	22	AIR FLOW DIRECTION ADJUST BUTTON
9	This display shows the set temperature.	23	NOT APPLICABLE

#### NOTE

1 Please note that the display shows all indications for the purpose of explanation only. This is contrary to actual running situations. 5

## 6 BRC4C61,62,63,64 - Infrared remote control



## 6 BRC4C61,62,63,64 - Infrared remote control

### 6-2 Explanation of buttons and functions



1	DISPLAY '▲' (SIGNAL TRANSMISSION)	13	TIMER RESERVE/CANCEL BUTTON
	This lights up when a signal is being transmitted.	14	AIR FLOW DIRECTION ADJUST BUTTON (BRC4C61,63 only)
	DISPLAY ' 🏕 ' ' 🛃 ' ' 🚓 ' ' 🌸 ' (OPERATION MODE)	15	OPERATION MODE SELECTOR BUTTON
2	This display shows the current OPERATION MODE. For cooling only type, ' 🔂 ' (Auto) and ' 💓 ' (Heating) are	CI	Press this button to select OPERATION MODE.
	not installed.	16	FILTER SIGN RESET BUTTON
2	DISPLAY ( נכד TEMPERATURE)	17	INSPECTION/TEST OPERATION BUTTON
5	This display shows the set temperature.	17	This button is used only by qualified service persons for maintenance purposes.
Л	DISPLAY ' 퀸ŋ 상ŋ' (PROGRAMMED TIME)	18	EMERGENCY OPERATION SWITCH
4	This display shows PROGRAMMED TIME of the system start or stop.	10	This switch is readily used if the remote control does not work.
5	DISPLAY ' + C ' (AIR FLOW FLAP) (BRC4C61,63 only)	10	RECEIVER
6	DISPLAY ' 💤 🛷 ' (FAN SPEED)	15	This receives the signals from the remote control.
0	The display shows the set fan speed.	20	OPERATING INDICATOR LAMP (RED)
7	DISPLAY ' 👑 ' (INSPECTION/TEST OPERATION)	20	This lamp stays lit while the air conditioner runs. It flashes when the unit is in trouble.
/	When the INSPECTION/TEST OPERATION BUTTON is pressed, the display shows the system mode is in.	21	TIMER INDICATOR LAMP (GREEN)
0	ON/OFF BUTTON	21	This lamp stays lit while the timer is set.
0	Press the button and the system will start. Press the button again and the system will stop.	22	AIR FILTER CLEANING TIME INDICATOR LAMP (RED)
٥	FAN SPEED CONTROL BUTTON	22	Lights up when it is time to clean the air filter.
5	Press this button to select the fan speed, HIGH or LOW, of your choice.	22	DEFROST LAMP (ORANGE)
10	TEMPERATURE SETTING BUTTON	23	Lights up when the defrosting operation has started. (For straight cooling type this lamp does not turn on.)
10	Use this button for SETTING TEMPERATURE. (Operates with the front cover of the remote control closed.)	24	FAN/AIR CONDITIONING SELECTOR SWITCH
11	PROGRAMMING TIME BUTTON	24	Set the switch to " 🗞 " (FAN) for FAN and " 🌘 " (A/C) for HEAT or COOL.
11	Use this button for programming "START and/or STOP" time. (Operates with the front cover of the remote control dosed.)	25	COOL/HEAT CHANGEOVER SWITCH
12	TIMER MODE START/STOP BUTTON	23	Set the switch to " 🔆 " (COOL) for COOL and " 💓 " (HEAT) for HEAT.

#### NOTES

1 Please note that the display shows all indications for the purpose of explanation only. This is contrary to actual running situations.

2 Figure 2 shows the remote control with the front cover opened.

## 7 BRC7C62,67 - Infrared remote control



## 7 BRC7C62,67 - Infrared remote control

### 7-2 Explanation of buttons and functions



1	DISPLAY '▲' (SIGNAL TRANSMISSION)	13	TIMER RESERVE/CANCEL BUTTON
	This lights up when a signal is being transmitted.	14	AIR FLOW DIRECTION ADJUST BUTTON
	DISPLAY ' 🏕 ' ' 🛃 ' ' 🚓 ' ' 🌸 ' (OPERATION MODE)	15	OPERATION MODE SELECTOR BUTTON
2	This display shows the current OPERATION MODE. For cooling only type, ' 🔂 ' (Auto) and ' 💓 ' (Heating) are	IJ	Press this button to select OPERATION MODE.
	not installed.	16	FILTER SIGN RESET BUTTON
3	DISPLAY ( נאד TEMPERATURE)	17	INSPECTION/TEST OPERATION BUTTON
5	This display shows the set temperature.	17	This button is used only by qualified service persons for maintenance purposes.
Л	DISPLAY ' 카드 성비' (PROGRAMMED TIME)	18	EMERGENCY OPERATION SWITCH
4	This display shows PROGRAMMED TIME of the system start or stop.	10	This switch is readily used if the remote control does not work.
5	DISPLAY ' ూ·누ㅁ' (AIR FLOW FLAP)	10	RECEIVER
6	DISPLAY ' වී දෙය ' (FAN SPEED)	15	This receives the signals from the remote control.
0	The display shows the set fan speed.	20	OPERATING INDICATOR LAMP (RED)
7	DISPLAY ' 🚲 ' (INSPECTION/TEST OPERATION)	20	This lamp stays lit while the air conditioner runs. It flashes when the unit is in trouble.
,	When the INSPECTION/TEST OPERATION $\operatorname{BUTTON}$ is pressed, the display shows the system mode is in.	21	TIMER INDICATOR LAMP (GREEN)
8	ON/OFF BUTTON	21	This lamp stays lit while the timer is set.
0	Press the button and the system will start. Press the button again and the system will stop.	22	AIR FILTER CLEANING TIME INDICATOR LAMP (RED)
٥	FAN SPEED CONTROL BUTTON	22	Lights up when it is time to clean the air filter.
5	Press this button to select the fan speed, HIGH or LOW, of your choice.	22	DEFROST LAMP (ORANGE)
10	TEMPERATURE SETTING BUTTON	25	Lights up when the defrosting operation has started. (For straight cooling type this lamp does not turn on.)
10	Use this button for SETTING TEMPERATURE. (Operates with the front cover of the remote control closed.)	24	FAN/AIR CONDITIONING SELECTOR SWITCH
11	PROGRAMMING TIMER BUTTON	24	Set the switch to " 🗞 " (FAN) for FAN and " 🅞 " (A/C) for HEAT or COOL.
	Use this button for programming "START and/or STOP" time. (Operates with the front cover of the remote control dosed.)	25	COOL/HEAT CHANGEOVER SWITCH
12	TIMER MODE START/STOP BUTTON	ZJ	Set the switch to " 🔆 " (COOL) for COOL and " 🔅 " (HEAT) for HEAT.

#### NOTES

1 Please note that the display shows all indications for the purpose of explanation only. This is contrary to actual running situations.

2 Figure 2 shows the remote control with the front cover opened.

## 8 BRC7C512W,513W - Infrared remote control



## 8 BRC7C512W,513W - Infrared remote control

### 8-2 Explanation of buttons and functions



1	DISPLAY '▲' (SIGNAL TRANSMISSION)	13	TIMER RESERVE/CANCEL BUTTON
	This lights up when a signal is being transmitted.	14	AIR FLOW DIRECTION ADJUST BUTTON
	DISPLAY ' 💤 ' ' 🔁 ' ' 🔆 ' ' 🔅 ' (OPERATION MODE)	15	OPERATION MODE SELECTOR BUTTON
2	This display shows the current OPERATION MODE. For cooling only type, ' 🔬 ' (Auto) and ' 💓 ' (Heating) are	0	Press this button to select OPERATION MODE.
	not installed.	16	FILTER SIGN RESET BUTTON
2	DISPLAY ( נאבד TEMPERATURE)	17	INSPECTION/TEST OPERATION BUTTON
5	This display shows the set temperature.	17	This button is used only by qualified service persons for maintenance purposes.
Л	DISPLAY ' 콩 성막' (PROGRAMMED TIME)	18	EMERGENCY OPERATION SWITCH
4	This display shows PROGRAMMED TIME of the system start or stop.	10	This switch is readily used if the remote control does not work.
5	DISPLAY ' ⊷·└□' (AIR FLOW FLAP)	10	RECEIVER
6	DISPLAY 'දෑ දෙර් (FAN SPEED)	15	This receives the signals from the remote control.
0	The display shows the set fan speed.	20	OPERATING INDICATOR LAMP (RED)
7	DISPLAY ' 👑 ' (INSPECTION/TEST OPERATION)	20	This lamp stays lit while the air conditioner runs. It flashes when the unit is in trouble.
/	When the INSPECTION/TEST OPERATION BUTTON is pressed, the display shows the system mode is in.	21	TIMER INDICATOR LAMP (GREEN)
0	ON/OFF BUTTON	21	This lamp stays lit while the timer is set.
0	Press the button and the system will start. Press the button again and the system will stop.	22	AIR FILTER CLEANING TIME INDICATOR LAMP (RED)
٥	FAN SPEED CONTROL BUTTON	22	Lights up when it is time to clean the air filter.
5	Press this button to select the fan speed, HIGH or LOW, of your choice.	22	DEFROST LAMP (ORANGE)
10	TEMPERATURE SETTING BUTTON	25	Lights up when the defrosting operation has started. (For straight cooling type this lamp does not turn on.)
10	Use this button for SETTING TEMPERATURE. (Operates with the front cover of the remote control closed.)	24	FAN/AIR CONDITIONING SELECTOR SWITCH
11	PROGRAMMING TIME BUTTON	24	Set the switch to " 🗞 " (FAN) for FAN and " 🌘 " (A/C) for HEAT or COOL.
	Use this button for programming "START and/or STOP" time. (Operates with the front cover of the remote control dosed.)	25	COOL/HEAT CHANGEOVER SWITCH
12	TIMER MODE START/STOP BUTTON	23	Set the switch to " 🔆 " (COOL) for COOL and " 💓 " (HEAT) for HEAT.

#### NOTES

1 Please note that the display shows all indications for the purpose of explanation only. This is contrary to actual running situations.

2 Figure 2 shows the remote control with the front cover opened.

## 9 BRC7E63W,66 - Infrared remote control



## 9 BRC7E63W,66 - Infrared remote control

### 9-2 Explanation of buttons and functions



1	DISPLAY '▲' (SIGNAL TRANSMISSION)	13	TIMER RESERVE/CANCEL BUTTON
	This lights up when a signal is being transmitted.	14	AIR FLOW DIRECTION ADJUST BUTTON
	DISPLAY ' 🗞 ' ' 😥 ' ' 🚓 ' ' 🌸 ' (OPERATION MODE)	15	OPERATION MODE SELECTOR BUTTON
2	This display shows the current OPERATION MODE. For cooling only type, ' 🔬 ' (Auto) and ' 💓 ' (Heating) are	0	Press this button to select OPERATION MODE.
	not installed.	16	FILTER SIGN RESET BUTTON
2	DISPLAY ( SET TEMPERATURE)	17	INSPECTION/TEST OPERATION BUTTON
5	This display shows the set temperature.	17	This button is used only by qualified service persons for maintenance purposes.
Л	DISPLAY ' 퀸ŋ 성법' (PROGRAMMED TIME)	10	EMERGENCY OPERATION SWITCH
4	This display shows PROGRAMMED TIME of the system start or stop.	10	This switch is readily used if the remote control does not work.
5	DISPLAY ' 📲 🖓 ' (AIR FLOW FLAP)	10	RECEIVER
6	DISPLAY ' 🤣 🧔 ' (FAN SPEED)	15	This receives the signals from the remote control.
0	The display shows the set fan speed.	20	OPERATING INDICATOR LAMP (RED)
7	DISPLAY ' 🚲 ' (INSPECTION/TEST OPERATION)	20	This lamp stays lit while the air conditioner runs. It flashes when the unit is in trouble.
/	When the INSPECTION/TEST OPERATION BUTTON is pressed, the display shows the system mode is in.	21	TIMER INDICATOR LAMP (GREEN)
0	ON/OFF BUTTON	21	This lamp stays lit while the timer is set.
0	Press the button and the system will start. Press the button again and the system will stop.	22	AIR FILTER CLEANING TIME INDICATOR LAMP (RED)
0	FAN SPEED CONTROL BUTTON	- 22	Lights up when it is time to clean the air filter.
5	Press this button to select the fan speed, HIGH or LOW, of your choice.	22	DEFROST LAMP (ORANGE)
10	TEMPERATURE SETTING BUTTON	25	Lights up when the defrosting operation has started. (For straight cooling type this lamp does not turn on.)
10	Use this button for SETTING TEMPERATURE. (Operates with the front cover of the remote control closed.)	24	FAN/AIR CONDITIONING SELECTOR SWITCH
11	PROGRAMMING TIME BUTTON	24	Set the switch to " 🗞 " (FAN) for FAN and " 🌔 " (A/C) for HEAT or COOL.
	Use this button for programming "START and/or STOP" time. (Operates with the front cover of the remote control opened.)	25	COOL/HEAT CHANGEOVER SWITCH
12	TIMER MODE START/STOP BUTTON	23	Set the switch to " 🔆 " (COOL) for COOL and " 💓 " (HEAT) for HEAT.

#### NOTES

1 Please note that the display shows all indications for the purpose of explanation only. This is contrary to actual running situations.

2 Figure 2 shows the remote control with the front cover opened.

## 10 BRC7E618,619 - Infrared remote control



## **11** Survey of various control systems

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 to building automation (BA).

Control method	Objective / use	Unit name and model	Outline of system	Function	Standard number of units
Local operation of remo	te control		Remote control Remote control Remote control (2009)	<ul> <li>Operational functions</li> <li>- Start/Stop (ON/OFF)</li> <li>- Temperature setting</li> <li>- Timer setting (Settings in units of 1 hour up to</li> </ul>	1 remote control controls 1
Remote operation of remote control	For control from a distant place		Remote control	a maximum of 72 hours) – Air flow setting – Air flow direction adjustment (\$wing flap) BRC1A51 only • Indication function	indoor unit
2 remote controls	For control from 2 places (remote or local)	BRCIC214	Remote control (2003)	<ul> <li>Operating display</li> <li>Program dry function display</li> <li>Defrost/Hot start display</li> <li>Filter sign</li> <li>Temperature setting display</li> <li>Timer display</li> </ul>	2 remote controls control 1 indoor unit
Group control (1)	Control of several indoor units on a floor at the same time	★2 BRCA51	Remote control Lo 16 indoor units may her up be up to 16 indoor units may woused	<ul> <li>Air flow display</li> <li>Abnormal operation display</li> <li>Abnormal operation display</li> <li>A in case of group control all the indoor units in the system are set to the same value and each unit is controlled individually by its internal thermostat (Nur Ivu har hinemustat entimoed in</li> </ul>	1 remote control controls up to 16 indoor units simultaneously
Group control by 2 remote controls (1)	For above control from distant place	Connected to indoor units <ul> <li>For group control it is connected to 1 unit out of the group</li> </ul>	Remote control	remote control) In common case of double remote control the most recent takes priority. (Selection between master and slave control is essential)	2 remote controls control up to 16 indoor units from 2 different places simultaneously
Forced OFF command from outside	If forgotten to turn equipment off, or in case of emergency	<ul> <li>In case of control by 2 remote controls both controls are connected to the indoor unit</li> </ul>	For local operation of remote control     Forced     Forced	<ul> <li>Forcibly stops indoor unit operation by command from outside.</li> <li>During remote control group control, input a command from outside to any one of the indoor units.</li> </ul>	Same as the number of units controlled by remote control
Combining control by remote control	Operation of other equipment combined with the operation of indoor unit		for HRV system	<ul> <li>Operates HRV in accordance with indoor unit operation.</li> <li>In case of group control, the thermostat equipped in remote control is not available.</li> </ul>	Same as the number of units controlled by remote control
NOTES					

In case of group control, the remote control used as master control must be selected with auto-swing function (BRC1A51, 61). When the group has cassette (EXYCP, EXYEP) or caling suspended (EXYHP) or cassette comer (EXXP) or wall mounted (EXAP) models

In case of using BRC2A51 (S-REMOCON) to heat recovery series, be sure not to use this independently. Use with other remote controls (BRC1A51-52, KRC19-26 or DC3302A51);

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ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

Daikin units comply with the European regulations that guarantee the safety of the product.

VRV products are not within the scope of the Eurovent certification programme.

Specifications are subject to change without prior notice

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