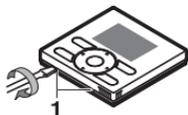**DAIKIN**
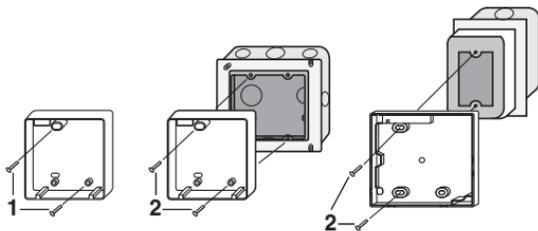
QUICK REFERENCE

Remote controller

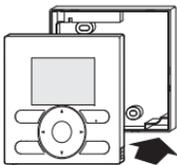**BRC1E51**

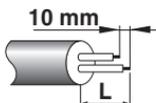**1**

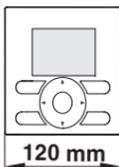**2**

3

4

5

6

7

9

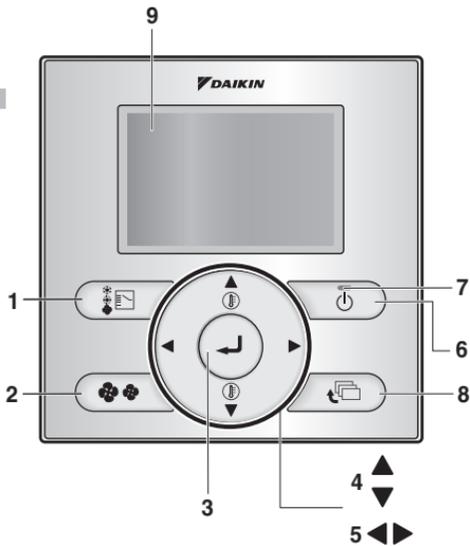10 mm

L

120 mm
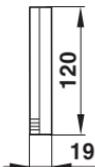
120

19

1

2

3

1+2

4 ▲▼

5 ◀▶

6

7

8

8.1

8.2

8.3

8.4

8
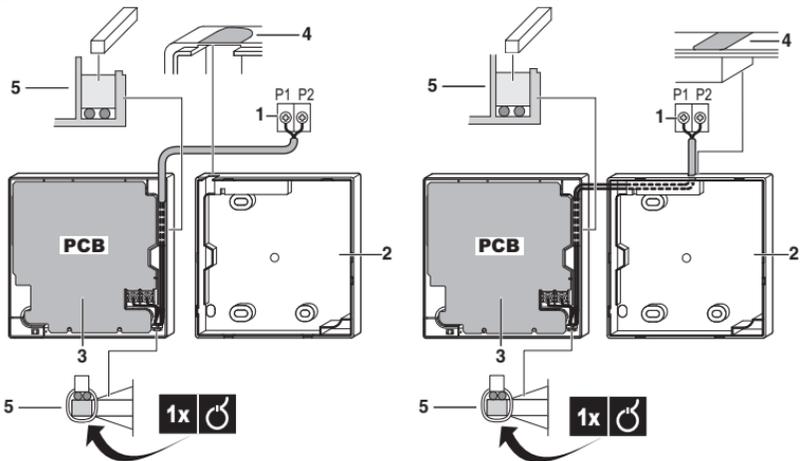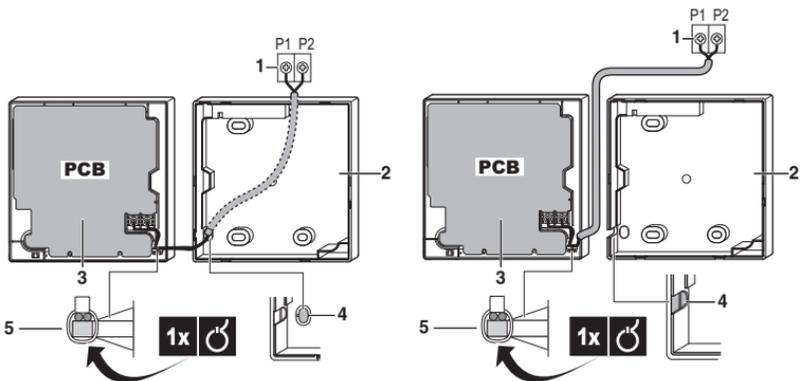
INSTALLATION

For the Operation part of this Quick reference refer to page 12.

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

Refer to the installation cd for more detailed information.

Contents page

1. Safety Precautions

NOTE	Read this manual attentively before starting up or installing the unit. Also see the installation manual of the outdoor and indoor unit.

Please read these "Safety Precautions" carefully before installing the remote controller equipment.

Improper installation or attachment of equipment or accessories could result in electric shock, short-circuit, leaks, fire or other damage to the equipment or personal injury.

If unsure of installation procedures or use, always contact your dealer for advice and information.

Do **NOT** install the remote controller by yourself. Improper installation may result in electric shocks or fire. Consult your Daikin dealer.

When the remote controller thermo function is used, select the installation location considering it should be a place:

- where the average temperature in the room can be detected,
- that is not exposed to direct sunlight,
- that is not near a heat source,
- that is not affected by outside air or air draught due to e.g. door opening/closing,
- where the display is kept clean.
- where the front is kept clear.
- where the temperature is between -10°C and 50°C.
- where the relative humidity is maximum 95%.

Do **NOT** install the remote controller:

- Near machinery emitting electromagnetic radiation. Electromagnetic radiation may disturb the operation of the control system and result in a malfunction of the unit.
- In moist areas or places where it may be exposed to water. If water enters the remote controller, electric shocks may be caused and the inner electronics may fail.

After finishing installation:

- ■ conduct a trial operation to check for faults,
- ■ explain the customer how to operate the remote controller, using the Operation part of this Quick Reference,
- ■ ask the customer to store the cd and the quick reference for future reference. The cd contains detailed installation and operation information.

Warning

Consult your local dealer regarding relocation and reinstallation of the remote controller. Improper installation work may result in electric shocks, leaks or fire.

2. The kit includes the following parts:

Remote controller	Wood screws

Small screws	Clamp

Manual CD	Quick Reference

Wiring retainer	Wall plugs

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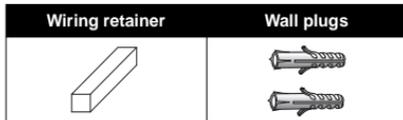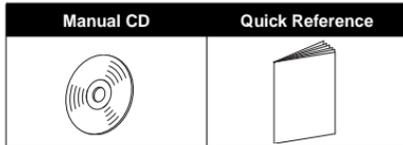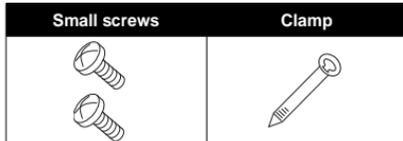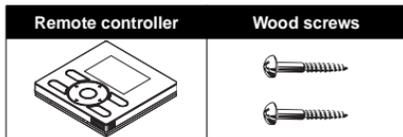
3. Remove the upper part of remote controller (Refer to figure 1)

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

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

1. for exposed mounting, fasten with the two included wood screws (Ø3.5x32) and plugs.
2. for flush-mounting, fasten with the two included machine screws (M4x16).

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

NOTE Put on a flat surface. Be careful not to distort the shape of the lower part of the remote controller by overtightening the mounting screws.

5. Wire the indoor unit (Refer to figure 8)

Wired from the rear (Refer to figure 8.1).

Wired from the left (Refer to figure 8.2).

Wired from the top (Refer to figure 8.3).

Wired from the top center (Refer to figure 8.4).

1. indoor unit
2. lower part of the remote controller
3. upper part of the remote controller

4. notch the part for the wiring to pass through with nippers, etc.
5. secure the wiring to the uppercase using the wiring retainer and clamp.

Connect the terminals on 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	Max total length
Sheathed vinyl cord or cable	0.75–1.25 mm^2	500 m

NOTE 1. Peel the sheat for the part that has to pass through the inside of the remote controller case (L). Refer to figure 4 and the table below. It is important to keep double isolation up through the notch of the remote controller case.

2. For easy wiring, it's better to keep ca. 10 mm difference between the length of the two wires.

Wiring outlet	L
Top outlet	Ca. 150 mm
Top center outlet	Ca. 200 mm

DAIKIN

6. Reattach the upper part of the remote controller

⚠️ Be careful not to pinch the wiring when attaching.

Refer to figure 3:

Align the upper case with the tabs of the lower case (6 points), inset and install the upper case.

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 PCB with your hand.

7. Power on

1 Put on the power.

2 **Connection under check Please wait for a moment** is displayed.

```
┌─────────────────────────────┐
│                             │
│  Connection under check     │
│  Please wait for a moment   │
│                             │
│                             │
│       Main remote contrl    │
└─────────────────────────────┘
```
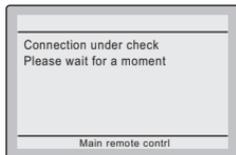
3 After a few seconds, the basic screen is displayed.

If controlling one indoor unit or one group of indoor units with two remote controllers

1 Put on the power for both remote controllers.

2 Determine which one is the sub/main remote controller.

3 When **Error code:U5 - Connection under check Please wait for a moment** is displayed on both remote controllers, push and hold the ❄️🗐 button of the sub remote controller for 4 seconds.

```
┌─────────────────────────────┐
│  Error code:U5              │
│                             │
│  Connection under check     │
│  Please wait for a moment   │
│                             │
│       Main remote contrl    │
└─────────────────────────────┘
```
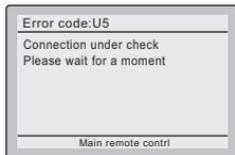
4 The sub remote controller now displays **Sub remote contrl**.

```
┌─────────────────────────────┐
│                             │
│  Connection under check     │
│  Please wait for a moment   │
│                             │
│                             │
│       Sub remote contrl     │
└─────────────────────────────┘
```
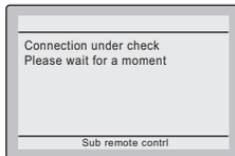
NOTE The main remote controller still displays **Main remote contrl**.

5 After a few seconds, the basic screen is displayed.

---

8. Permission level function

■ If required, you can limit the user action by restricting the number of operable buttons. (Refer to the chapter "Field settings" on page 5).

Level	Operable buttons
1	All
2	• Up/down button • On/off button • Operation mode selector button
3	• On/off button

NOTE When pushing a non-operable button, the ⚿ icon will be displayed.

■ For switching between level 1 permission and the selected level in service, proceed as follows (refer to figure 7):

1 Keep the ▶ button pressed,

2 and push the 3 other indicated keys simultaneously while keeping the ▶ button pressed.

■ If you want to limit the user action on the remote controller to be defined as "sub", start with only connecting this controller to the unit. Make sure that this controller is set to "main" (factory set) first, change the permission level to the setting you prefer and only then set the remote controller to "sub" (Refer to the chapter "Field settings" on page 5).
You can now proceed with connecting the remote controller to be defined as "main".

9. 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.

```
                  d
        ┌─────────────────────┐
        │ Field setting list   │
        │ Unit No    Mode      │────b
  a ────│ 0          20        │────c
        │ 0–01  1–00  2–00  3–00│
        │ 4–––  5–––  6–––  7–––│
        │ 8–––  9–––  a–––  b–––│
        │                      │────e
        │ ⮌Return  Setting  ◄◆►│
        └─────────────────────┘
```
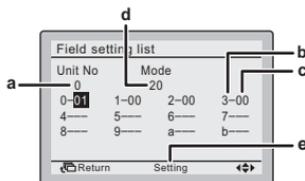
a Unit No
b First Code No
c Second Code No
d Mode
e Field set mode

Procedure

1 Press and hold the ⬚ button for four seconds to enter the **Field setting** menu.

2 Use the ▼▲ buttons to select **Field setting list** and push the ⏎ button.

```
┌─────────────────────────────┐
│ Field setting          1/2  │
│ Test operation ON/OFF        │
│ Register Service Contract    │
│ Field setting list           │
│ Group No. setting            │
│ Indoor unit Airnet No. set   │
│ Outdoor unit Airnet No. set  │
│ ⮌Return   Setting        ◆  │
└─────────────────────────────┘
```

3 Use the ▼▲ buttons to select the desired **Mode**.

4 During group control, when setting by each indoor unit (**Mode 20**, **21**, **22** and **23** have been selected), push the ◀ button to highlight and ▼▲ buttons to select the INDOOR UNIT NO. to be set. This operation is unnecessary when setting by group.

5 Highlight the second code No. to be changed using the ◀▶ buttons, and use the ▼▲ buttons to select the desired second code No.

NOTE	When setting by group, all of the second code No. that may be set are displayed as "*".

6 Push the ⌐⌐ button to display the confirmation screen.

7 Use the ◀▶ buttons to select **Yes** and push the ⌐⌐ button.

NOTE	When multiple setting changes are needed, repeat steps 3 to 7.

8 Push the ⌐⌐ button two times to return to basic screen.

Notes

Mode Note 1	FIRST CODE NO.	Description of setting		SECOND CODE NO. Note 2			
				01	02	03	04
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 of display time to clean air filter is to be halved)	Ultra long life filter	Light Approx. 10.000 hrs.	Heavy Approx. 5.000 hrs.	—	—
			Long life filter	Approx. 2.500 hrs.	Approx. 1.250 hrs.	—	—
			Standard filter	Approx. 200 hrs.	Approx. 100 hrs.	—	—
	1	Long-life filter type (setting of filter sign indication time). (Change setting when ultra-long filter is installed)		Long-life filter	Ultra-long life filter	—	—
	2	Thermostat sensor in remote controller		Use	Not use	—	—
	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 Sky Air simultaneous operation system indoor units (setting for simultaneous operations system)		Pair	Twin	Triple	Double twin
12(22)	1	ON/OFF input from outside (setting for when forced ON/OFF is to be operated from outside).		Forced OFF	ON/OFF operation	—	—
	2	Thermostat differential changeover (setting for when using remote sensor).		1°C	0.5°C	—	—
13(23)	0	High air outlet velocity (for high ceiling applications).		≤2.7 m	>2.7≤3.0 m	>3.0≤3.5 m	—
	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	—
	3	Selection of air flow function (setting for when using a decoration panel for outlet).		Equipped	Not equipped	—	—
	4	Air flow direction range setting.		Upper	Normal	Lower	—
	6	Setting the external static pressure (setting according to the connected duct resistance)		Normal	High static pressure	Low static pressure	—
15(25)	3	Drain pump operation with humidifying.		Equipped	Not equipped	—	—

Mode Note 1	FIRST CODE NO.	Description of setting	SECOND CODE NO. Note 2			
			01	02	03	04
1c	1	Thermostat sensor in remote controller (for limit operation and Home leave function only)	Not use	Use	—	—
	3	Permission level setting	Level 2	Level 3	—	—
1e	2	Home leave function	Not permitted	Permitted	—	—

NOTE 1. Second code No. at factory shipment is set to "01". However in the following cases it is set to "02".
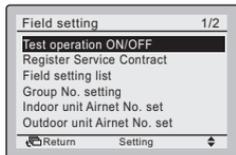- Airflow direction range (except round flow cassette)
- Thermostat sensor in remote controller (SkyAir only)
- Thermostat sensor in remote controller for limit operation and Home leave function only

2. Any function that is not available on the indoor unit is not displayed.

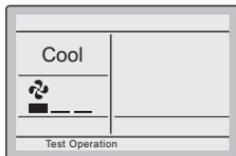## 10. Test operation method (SkyAir only)

For the Test Operation procedure, please refer to the Installation Manual of the unit.

10.1 How to activate test operation

1 Press and hold the button for four seconds to enter the **Field setting** menu.

2 Use the ▼▲ buttons to select **Test operation ON/OFF** and push the button.

```
Field setting                1/2
Test operation ON/OFF
Register Service Contract
Field setting list
Group No. setting
Indoor unit Airnet No. set
Outdoor unit Airnet No. set
  Return      Setting        ↕
```

3 **Test operation** is displayed on the bottom of the screen.

```
Cool

  Test Operation
```
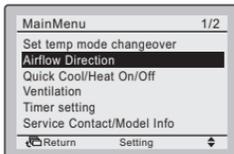
4 Push the button within 10 seconds to start the test operation.

10.2 How to check air flow direction

1 Push the button to enter the **MainMenu**.

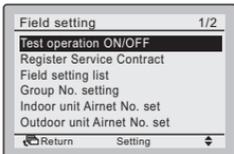**2** Use the ▼▲ buttons to select **Airflow direction** and push the ⏎ button.

```
MainMenu                    1/2
 Set temp mode changeover
 Airflow Direction
 Quick Cool/Heat On/Off
 Ventilation
 Timer setting
 Service Contact/Model Info
  Return        Setting        ⬍
```

3 Check that the air flow direction is actuated according to the setting and push the ⏎ button.

```
Airflow Direction

 Swing

  Return        Setting        ⬍
```
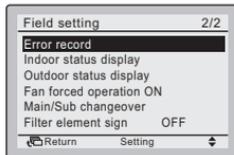
10.3 How to deactivate test operation

1 Press and hold the button for four seconds to enter the **Field setting** menu.

2 Use the ▼▲ buttons to select **Test operation ON/OFF** in the menu and push the ⏎ button.

```
Field setting               1/2
 Test operation ON/OFF
 Register Service Contract
 Field setting list
 Group No. setting
 Indoor unit Airnet No. set
 Outdoor unit Airnet No. set
  Return        Setting        ⬍
```

11. Checking of error records

1 Press and hold the button for four seconds to enter the **Field setting** menu.

2 Use the ▼▲ buttons to select **Error record** and push the ⏎ button.

```
Field setting               2/2
 Error record
 Indoor status display
 Outdoor status display
 Fan forced operation ON
 Main/Sub changeover
 Filter element sign    OFF
  Return        Setting        ⬍
```

3 Use the ▼▲ buttons to select **Remote controller record** and push the ⏎ button.

```
Error record
 Remote controller record
 Indoor unit record



  Return        Setting        ⬍
```

4 The 10 latest errors and their Unit No. are displayed in order.

```
Remote controller record    1/3
  Unit Error   Date      Time
 01 —— ——     ——/——/——  ——:——
 02 —— ——     ——/——/——  ——:——
 03 —— ——     ——/——/——  ——:——
 04 —— ——     ——/——/——  ——:——
  Return                    ◀ ▶
```

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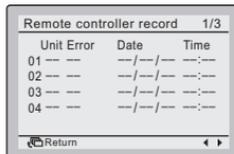## 12. Registration method of the service contact

1. Press and hold the ⬚ button for four seconds to enter the **Field setting** menu.

2. Use the ▼▲ buttons to select **Register Service Contract** and push the ⏎ button.

```
Field setting                1/2
Test operation ON/OFF
Register Service Contract
Field setting list
Group No. setting
Indoor unit Airnet No. set
Outdoor unit Airnet No. set
  Return        Setting      ⬍
```

3. Use the ▼▲ buttons to select **Register Service Contract** and push the ⏎ button.

```
Register Service Contract
None
Register Service Contract




  Return        Setting      ⬍
```
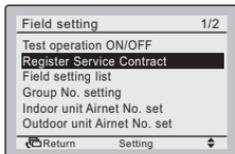
4. Use the ▼▲ and ◀▶ buttons to enter the telephone number.

```
Register Service Contract
Register Service Contract

█ ───────────────


  Return        Setting      ◀⬍▶
```
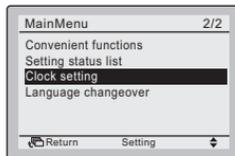
5. Push the ⏎ button to display the confirmation screen.

6. Use the ◀▶ buttons to select **Yes** and push the ⏎ button.
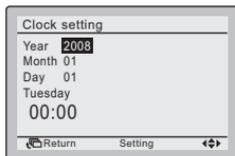

NOTE To check the registered service contact, push the ⏎ button and select **Service Contact/Model Info** in the **MainMenu**.

---

13. Clock setting

1. Push the ⏎ button to enter the **MainMenu**.

2. Use the ▼▲ buttons to select **Clock setting** and push the ⏎ button.

```
MainMenu                     2/2
Convenient functions
Setting status list
Clock setting
Language changeover


  Return        Setting      ⬍
```

3. Use the ◀▶ and ▼▲ buttons to select and set **Year**, **Month**, **Day**, and time.

```
Clock setting
Year   2008
Month  01
Day    01
Tuesday
00:00
  Return        Setting      ◀⬍▶
```

4. Push the ⏎ button to display the confirmation screen.

5. Use the ◀▶ buttons to select **Yes** and push the ⏎ button.

---

14. Language changeover

Notes

1. Push the ⏎ button to enter the **MainMenu**.

2. Use the ▼▲ buttons to select **Language changeover** and push the ⏎ button.

```
MainMenu                    2/2
Convinient functions
Setting status list
Clock setting
Language changeover
  Return      Setting         ⬍
```

3. Use the ▼▲ buttons to select the desired language and push the ⏎ button to confirm.

```
Language changeover
Selectable languages

       English

  Return      Setting         ⬍
```

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

Refer to the operation cd for more detailed information.

Contents

1. Safety Precautions

NOTE Also see operation manual attached to the outdoor and indoor unit.

Please read these "Safety Precautions" carefully before installing air conditioning equipment and be sure to install it correctly.

Failure to follow these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

⚠ Do **NOT** play with the unit or its remote controller. Accidental operation by a child may result in impairment of bodily functions and harm health.

⚠ Never disassemble the remote controller. Touching the interior parts may result in electric shocks or fire. Consult your Daikin dealer or authorized contactor for internal inspections and adjustments.

⚠ To avoid electric shocks, do not operate with wet hands.

Warning

- Do **NOT** modify or repair the remote controller. This may result in electric shocks or fire. Consult your Daikin dealer.
- Do **NOT** relocate or reinstall the remote controller by yourself. Improper installation may result in electric shocks or fire. Consult your Daikin dealer.
- Do **NOT** use flammable materials (e.g. hairspray or insecticide) near the product. Do not clean the product with organic solvents such as paint thinner. The use of organic solvents may cause crack damage to the product, electric shocks, or fire.

2. Features and functions

The BRC1E51 is a state of the art remote controller that offers full 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   CLOCK FUNCTION

The clock functions are:

- 24 hours real time clock,
- automatic daylight saving time.

3   SCHEDULE TIMER FUNCTION

The schedule timer functions are:

- a maximum of 5 actions can be programmed for each day of the week,
- schedule timer can be enabled/disabled at any time,
- linked to a set temperature or a LIMIT operation or an OFF operation,

- "last command" overrules previous command until next scheduled command.

4   LIMIT OPERATION

Limit operation provides thermostat control within the range of the set minimum and maximum temperature. The minimum temperature setting will trigger heating, the maximum temperature setting will trigger cooling.

5   HOME LEAVE

The home leave function prevents the room temperature from dropping when the occupants are out for a longer period. If the room temperature drops below 10°C, heating is started automatically. As soon as 15°C is reached, the controller returns to its original status.

6   BUTTON PERMISSION LEVEL

Three hierarchical permission levels can be set to limit the user action.

7   DETAILED DISPLAY POSSIBILITY

Additionally possible to display the outdoor temperature or room temperature.

3. Name and function of switches

(Refer to figure 6)

1   OPERATION MODE SELECTOR BUTTON

Push this button to select the operation mode of your preference.

2   FAN SPEED CONTROL BUTTON

Push this button to select the high or low fan speed.

3   MENU/ENTER BUTTON

This button is used to enter the main menu or the selected setting item.

4 UP/DOWN BUTTON

These buttons are used to raise/lower the set temperature, to highlight the next item on the upper/lower side or to change the selected item.

5 RIGHT/LEFT BUTTON

These buttons are used to highlight the next item on the right/left-hand side or to enable the home leave settings (when kept pressed for four seconds).

6 ON/OFF BUTTON

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

NOTE This is the only button that works when the backlight is not lit. All other buttons only work when the backlight is lit.

7 OPERATION LAMP

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

8 CANCEL BUTTON

Push this button to return to the previous screen.

9 LCD (with backlight)

When pushing any operation button, the backlight will be lit for approximately 30 seconds. When one indoor unit is controlled by two remote controllers, the backlight of the remote controller operated earlier than the other one will be lit.
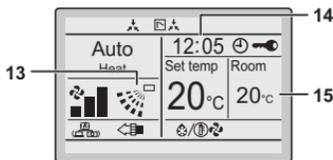
4. Name and function of icons

To change between the Standard display and the Detailed display refer to the chapter "How to select the display" on page 25.

Standard display
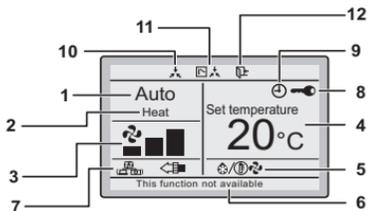
Detailed display

1 OPERATION MODE

This indicates the current operation mode (**Cool, Heat, Vent, Fan, Dry,** or **Auto**).

2 AUTOMATIC OPERATION MODE

This indicates the current automatic operation mode (**Cool** or **Heat**).

3 FAN SPEED

This indicates the fan speed that is set for the air conditioner. If the air conditioner does not have fan speed control function, the fan speed will not be displayed.

4 SET TEMPERATURE DISPLAY

This indicates the temperature that is set for the air conditioner.

5 DEFROST/HOT START ⚙/⑂⚡

This icon indicates that the defrost/hot start mode is active.

6 MESSAGE

Following messages can be displayed:

This function is not available

Is displayed for a few seconds when an operation button is pushed and the function is not available on the indoor unit (for a number of indoor units, the message will only appear if none of the units has this function).

Error: Press Menu Button

Warning: Press Menu Button

Is diplayed when error or warning is detected.

Quick Cool/Heat (SkyAir only)

Indicates that the quick cooling/heating function is turned ON.

Clean the filter

Clean the element

Clean the filter and element

Indicates that the filter or element should be cleaned.

7 VENTILATION/CLEANING

■ Ventilation mode icons indicate the current ventilation mode (HRV only) (AUTOMATIC, HEAT EXCHANGE, BYPASS).

■ AIR Cleaning unit icon indicates that the air cleaning unit (option) is operational.

8 ⚊⚫ DISPLAY

Indicates that the key lock is set or a permission level is set.

9 ④ DISPLAY

Indicates that schedule timer or OFF reminder timer is enabled.

✖ DISPLAY

Indicates that the clock needs to be set. The schedule timer function will not work until the clock is set.

10 EXTERNAL CONTROL ICON 🏃

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

11 CHANGEOVER UNDER CENTRALISED CONTROL ICON 🗊🏃

This icon indicates that the changeover of the installation is under centralised control assigned to another indoor unit or optional cool/heat selector connected to the outdoor unit (= master remote controller).

12 HOME LEAVE ICON ▯▸

The home leave icon shows the status of the home leave function.

ON	Leave home is enabled
FLASHING	Leave home is active
OFF	Leave home is disabled

13   AIRFLOW DIRECTION

Is displayed when the airflow direction and swing are set.

14   CLOCK (24 Hours real time clock)

Is displayed when the clock is set. If the clock is not set, **- : -** is displayed.

15   DETAILED SELECTION

Is displayed when the detailed display items are selected.

5.   Description of the operation modes

1   FAN ONLY OPERATION

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

2   DRY OPERATION

In this mode, the air humidity will be lowered with a minimal temperature decrease.

The temperature and fan speed are controlled automatically and cannot be controlled by the remote controller.

Dry operation will not function if the room temperature is too low.

3   AUTOMATIC OPERATION

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

4   COOLING OPERATION

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

5   HEATING OPERATION

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

Hot start (heat pump types only) ❄/❆❅

At the start of a heating operation, the indoor fan is stopped until a certain indoor heat exchanger temperature is reached and ❄/❆❅ is displayed. This prevents cold air from leaving the indoor unit.

Defrost (heat pump types only) ❄/❆❅

In heating operation, freezing of the outdoor heat exchanger may occur. If so, the heating capacity of the system lowers and the system goes into defrost operation. The indoor unit fan stops and ❄/❆❅ is displayed. After maximum 10 minutes of defrost operation, the system returns to heating operation again.

6   VENTILATION (HRV only)

The ventilation mode operates the HRV; refer to the HRV manual for more details.

7   LIMIT OPERATION min ℃ & max ℃

Limit operation is an additional mode that enables to keep the room temperature within certain limits. The min ℃ & max ℃ icons are displayed to confirm the activation of the limit operation (Not available for cooling-only installations).

8   HOME LEAVE

HOME LEAVE is a feature that enables to keep the room temperature above 10°C when the occupants are out. This function will switch on heating if the installation is switched off.

6. Basic operation method
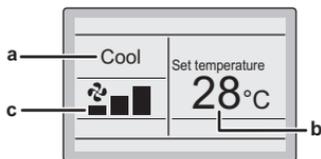
- **a** Operation mode
- **b** Temperature
- **c** Fan speed

1 Push the ❄☀ button several times until the desired operation mode **Cool**, **Heat**, **Vent**, **Fan**, **Dry**, or **Auto** is selected.

2 Push the ⏻ button. The operation lamp will light and the system starts operating.

3 Use the ▼▲ buttons to set the temperature.

> **NOTE** When in **Fan**, **Dry**, or **Vent** mode, the temperature can not be set.

**4** Push the ❀ ❀ button to select the desired fan speed from Low, Middle, or High.

> **NOTE** When in **Dry** or **Vent** mode, the fan speed can not be set.

5 Push the ⏻ button. The operation lamp will turn off and the system stops operating.

Additional features of the controller:

1 HOME LEAVE

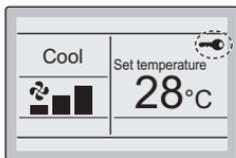**1** Push and hold the ◀ or ▶ button for four seconds to enable the Home leave mode. The Home leave icon is displayed.
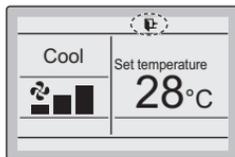
> **NOTE** Redo this procedure to disable the Home leave mode.

1   Push the ⬏ button for four seconds to enable the key lock mode. The key lock icon is displayed.


```
┌─────────────────────────────────┐
│                            🔑   │
│  Cool   Set temperature         │
│   ✿▮▮    28°c                   │
│                                 │
└─────────────────────────────────┘
```

2   To cancel the key lock mode, push the ⬏ button for four seconds. The key lock icon disappears.

7. Description of the items in the main menu

1   SET TEMP MODE CHANGEOVER

This allows you to choose between normal set temperature and limit operation.

2   AIRFLOW DIRECTION

Is used to set the airflow direction. The airflow direction blades are automatically operated up and down (left and right).

3   QUICK COOLING/HEATING ON/OFF

Is used to quickly set the room temperature to a confortable temperature.

4   VENTILATION

Is used to set the ventilation rate and the ventilation mode (HRV only).

5   TIMER SETTING

Schedule Timer

This allows you to set the operation start/stop time for any day of the week. It is possible to set up to 5 actions per day. Both operation modes (normal operation and limit operation) can be selected. Additionally the holiday settings can be set.

OFF Reminder Timer

This allows you to set each operation period of the system in a range of 30 - 180 minutes. The system is turned off automatically after the selected time (each time the system is activated).

6   SERVICE CONTACT/MODEL INFORMATION

Is used to display the service contact and the model information.

7   CONVENIENT FUNCTIONS

This allows you to set the LCD contrast. You can also switch between standard and detailed display. When detailed display is selected, the detailed display settings can be changed.

8   SETTING STATUS LIST

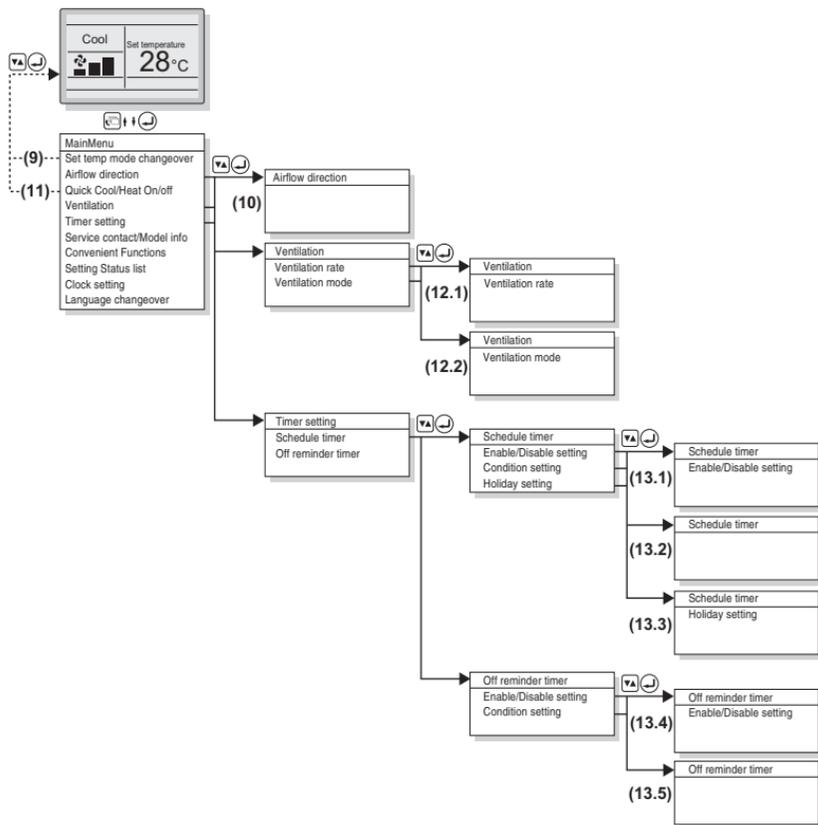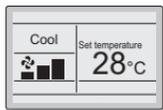This shows a list of the current settings for the available items.

9   CLOCK SETTING

This allows you to set the date and time.

10   LANGUAGE CHANGEOVER

This allows you to set the displayed language.

8. Main menu structure

Cool
Set temperature
28°C

MainMenu
Set temp mode changeover
Airflow direction
Quick Cool/Heat On/off
Ventilation
Timer setting
Service contact/Model info
Convenient Functions
Setting Status list
Clock setting
Language changeover

Service contact/Model info
(14)

Convenient Functions
Contrast adjustment
Display changeover
(15.1)

Contrast adjustment

Display changeover
Display
Desired disp select
(15.2)

Display changeover
Display

Display changeover
Desired disp select
(15.3)

Setting Status list
(16)

Clock setting
(17)

Language changeover
(18)
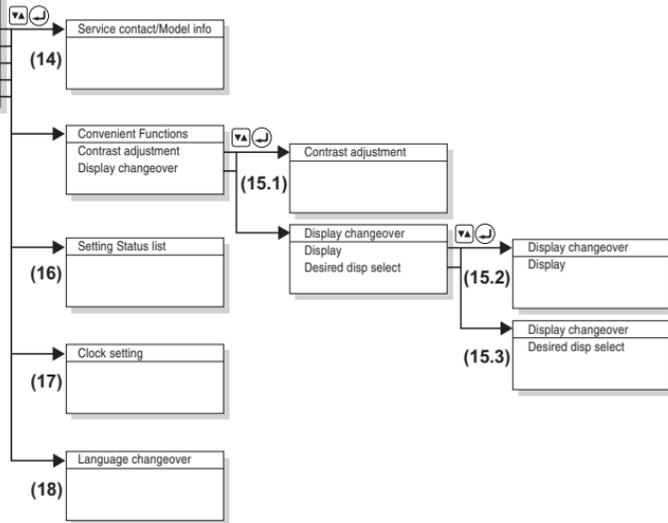
9. Limit operation

1 Display the **MainMenu**. Proceed step (9) to display the basic screen with limit operation temperatures (Refer to the chapter "Main menu structure" on page 19).

2 Use the ▼▲ buttons to change the set temperature.

3 Push the ◄► buttons to toggle between **min** and **max** temperature.
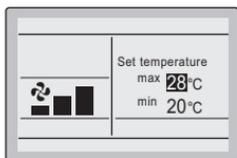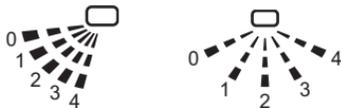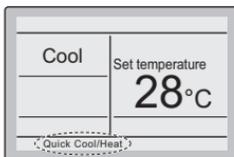

10. Airflow direction setting

1 Display the **Airflow Direction** setting screen (10) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ◄► buttons to change the setting to 90 or 180 degrees swing angle.

3 Use the ▼▲ buttons to change the setting to **Swing**, **Pos. 0**, **Pos. 1**, **Pos. 2**, **Pos. 3**, and **Pos. 4**.

4 Push the ⏎ button to confirm the setting. Basic screen is displayed.

11. Quick cooling/heating ON/OFF (SkyAir only)

1 Display the **MainMenu** and proceed step (11) to display the basic screen (Refer to the chapter "Main menu structure" on page 19).

2 **Quick Cool/Heat** will appear on the basic screen when the Quick Cool/Heat function is turned ON.

**NOTE** Redo this procedure to turn Quick Cool/Heat function off.

12. Ventilation setting

Only in case HRV is connected. Refer to the HRV manuals for more information.

12.1 How to change the ventilation rate

1 Display the **Ventilation rate** settings screen (12.1) (Refer to the chapter "Main menu structure" on page 19).

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2 Use the ▼▲ buttons to change the setting to **Low** or **High**.

```
Ventilation
Ventilation rate

              High

Return     Setting        ⬍
```
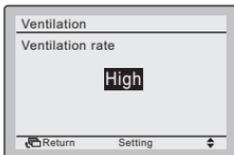
3 Push the ⏎ button to confirm the setting. Basic screen is displayed.

12.2 How to change the ventilation mode

1 Display the **Ventilation mode** settings screen (12.2) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ▼▲ buttons to change the setting to **Bypass**, **Heat exchange**, or **Automatic**.

```
Ventilation
Ventilation mode

              Bypass

Return     Setting        ⬍
```
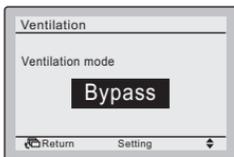
3 Push the ⏎ button to confirm the setting. Basic screen is displayed.

13. Timer setting

13.1 How to enable/disable the schedule timer

1 Display the **Enable/Disable setting** screen (13.1) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ▼▲ buttons to change the setting to **Enable** or **Disable**.

```
Schedule timer
Enable/Disable setting

              Disable

Return     Setting        ⬍
```

3 Push the ⏎ button to display the confirmation screen.

4 Use the ◀▶ buttons to select **Yes** and push the ⏎ button.

13.2 How to use the condition setting

1 Display the Condition setting screen (13.2) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ▼▲ buttons to set the day (1).

3 Use the ◀▶ buttons to highlight the Operation **Time** and the ▼▲ buttons to set the desired Operation **Time** (2).

```
                              (2)
Schedule time
            Time  Operation
Monday      06:00 –
            --:-- –
            --:-- –
            --:-- –
Return     Setting        ◀⬍▶
```
(1) ─ Monday
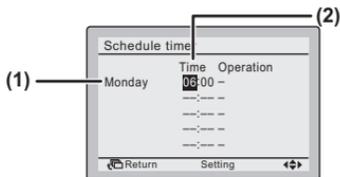
4 Use the ◀▶ buttons to highlight the **Operation** and the ▼▲ buttons to select the desired **Operation**.

```
┌─────────────────────────────┐
│ Schedule timer              │
│                             │
│           Time  Operation   │
│ Monday    06:00 22°C        │
│           --:-- -           │
│           --:-- -           │
│           --:-- -           │
│           --:-- -           │
│ ⎙Return     Setting    ◀◊▶  │
└─────────────────────────────┘
```

```
   ┌──── ── ◀▶ 22°C ◀▶ 20°C-26°C ◀▶ OFF ◄┐
        4      1        2           3
```

NOTE There are 4 types of operations:

🔹 **1.** Switch on the installation at a scheduled time, in combination with a set point.

2. Switch on the installation at a scheduled time, in limit operation.

3. Switch off the installation at a scheduled time.

4. In this case the status remains unchanged.

5 When the selected operation is a set point (1), push the ⏎ button and use the ▼▲ buttons to change the set temperature. Push the ⏎ button to confirm the set temperature.

```
┌─────────────────────────────┐
│ Schedule timer              │
│                             │
│           Time  Operation   │
│ Monday    06:00 22°C        │──── (1)
│           --:-- -           │
│           --:-- -           │
│           --:-- -           │
│           --:-- -           │
│ ⎙Return     Setting    ◀◊▶  │
└─────────────────────────────┘
```

6 When the selected operation is a limit operation (2), push the ⏎ button and use the ◀▶ buttons to toggle between the minimum and maximum temperature to be set. Use the ▼▲ buttons to change the set temperature. Push the ⏎ button to confirm the set temperature.

```
┌─────────────────────────────┐
│ Schedule timer              │
│                             │
│           Time  Operation   │
│ Monday    06:00 28°C        │
│           12:30 20°C-26°C   │──── (2)
│           --:-- -           │
│           --:-- -           │
│ ⎙Return     Setting    ◀◊▶  │
└─────────────────────────────┘
```

7 To set a different day of the week, use the ◀▶ buttons to highlight the day. Use the ▼▲ buttons to change the day.

8 To copy all actions of the day previously set, push the 🔆▦ button.

NOTE Actions will only be copied when the day is highlighted.

🔹

9 When the entire schedule timer settings are completed, highlight an item that is not an operation.

```
┌─────────────────────────────┐
│ Schedule timer              │
│                             │
│           Time  Operation   │
│ Monday    06:00 28°C        │
│           12:30 22°C-28°C   │
│           15:00 OFF         │
│           ■:-- -            │
│           --:-- -           │
│ ⎙Return     Setting    ◀◊▶  │
└─────────────────────────────┘
```

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10 Push the ⏎ button to display the confirmation screen.

11 Use the ◀▶ buttons to select **Yes** and push the ⏎ button.

13.3 How to use the holiday setting

The schedule timer will be disabled for the days that have been set as holiday.

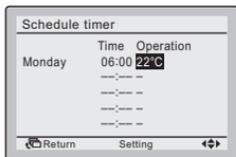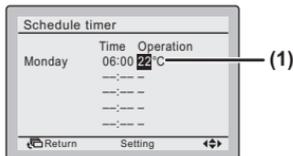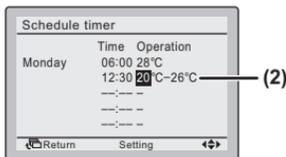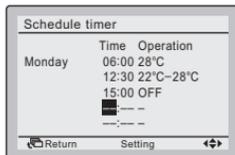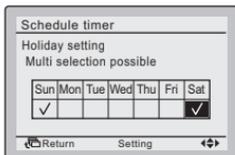**1** Display the **Holiday setting** screen (13.3) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ◀▶ buttons to select the desired day. Push the ▼▲ buttons to display ✓ to set the holiday.

```
Schedule timer
Holiday setting
 Multi selection possible

Sun Mon Tue Wed Thu Fri Sat
 ✓                      ✓
 ⏎Return    Setting      ◀✦▶
```
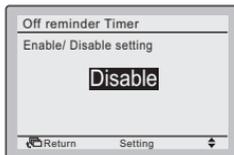
3 Push the ⏎ button to display the confirmation screen.

4 Use the ◀▶ buttons to select **Yes** and push the ⏎ button.

13.4 How to enable/disable the OFF reminder timer

1 Display the **Enable/Disable setting** screen (13.4) (Refer to the chapter "Main menu structure" on page 19).
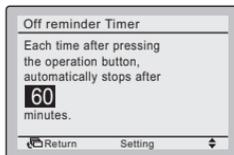
2 Use the ▼▲ buttons to change the setting to **Enable** or **Disable**.

```
Off reminder Timer
Enable/ Disable setting

        Disable

 ⏎Return    Setting      ✦
```

3 Push the ⏎ button to display the confirmation screen.

4 Use the ◀▶ buttons to select **Yes** and push the ⏎ button.

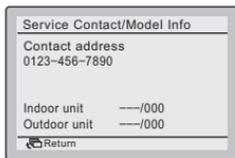### 13.5 How to use the condition setting

5 Display the Condition setting screen (13.5) (Refer to the chapter "Main menu structure" on page 19).

6 Use the ▼▲ buttons to set the time from operation start until the unit automatically stops.

```
Off reminder Timer
Each time after pressing
the operation button,
automatically stops after
 60
minutes.
 ⏎Return    Setting      ✦
```

7 Push the ⏎ button to display the confirmation screen.

8 Use the ◀▶ buttons to select **Yes** and push the ⏎ button.

---

14. Service contact/model information

1 Display the **Service Contact/Model Info** screen (14) (Refer to the chapter "Main menu structure" on page 19).

2 The phone number for the **Contact address** will appear at the top of the screen. The model info of the **Indoor unit** and **Outdoor unit** of your product will appear on the bottom of the screen.
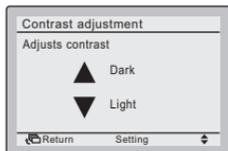
```
┌─────────────────────────────┐
│ Service Contact/Model Info  │
│ Contact address             │
│ 0123−456−7890               │
│                             │
│                             │
│ Indoor unit    −−−/000      │
│ Outdoor unit   −−−/000      │
│ ⏎Return                     │
└─────────────────────────────┘
```

3 Push the ⬚ button to return to the **MainMenu**.

15. Convenient functions

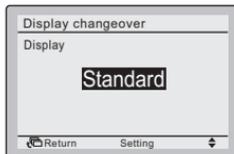### 15.1 How to adjust the contrast of the LCD

1 Display the **Contrast adjustment** settings screen (15.1) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ▼▲ buttons to change the contrast of the LCD.

```
┌─────────────────────────────┐
│ Contrast adjustment         │
│ Adjusts contrast            │
│                             │
│        ▲   Dark             │
│                             │
│        ▼   Light            │
│ ⏎Return    Setting    ⬍     │
└─────────────────────────────┘
```

3 Push the ↵ button to confirm the setting. Basic screen is displayed.
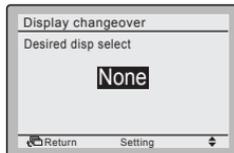
15.2 How to select the display

1 Display the **Display** settings screen (15.2) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ▼▲ buttons to change the setting to **Standard** or **Details**.

```
┌─────────────────────────────┐
│ Display changeover          │
│ Display                     │
│                             │
│      Standard               │
│                             │
│                             │
│ ⏎Return    Setting    ⬍     │
└─────────────────────────────┘
```

3 Push the ↵ button to confirm the setting. Basic screen is displayed.

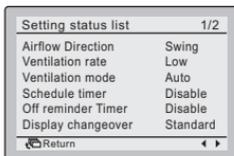### 15.3 How to select the detailed display selection

1 Display the **Desired disp select** settings screen (15.3) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ▼▲ buttons to change the setting to **None**, **Outdoor temperature**, **Room temperature** or **System**.

```
┌─────────────────────────────┐
│ Display changeover          │
│ Desired disp select         │
│                             │
│        None                 │
│                             │
│                             │
│ ⏎Return    Setting    ⬍     │
└─────────────────────────────┘
```

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3 Push the ⏎ button to confirm the setting. Basic screen is displayed.

16. Setting status list

1 Display the **Setting status list** screen (16) (Refer to the chapter "Main menu structure" on page 19).

2 A list of the current setting status is displayed.

```
Setting status list          1/2
Airflow Direction         Swing
Ventilation rate          Low
Ventilation mode          Auto
Schedule timer            Disable
Off reminder Timer        Disable
Display changeover        Standard
  Return                    ◄ ►
```

3 Push the button to return to the **MainMenu**.

17. Clock setting

1 Display the **Clock setting** screen (17) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ◄ ► buttons to select and the ▼▲ buttons to set **Year**, **Month**, **Day**, and time.
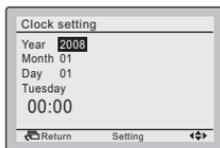
```
Clock setting
Year    2008
Month   01
Day     01
Tuesday
00:00
  Return      Setting      ◄♦►
```

3 Push the ⏎ button to display the confirmation screen.

4 Use the ◄ ► buttons to select **Yes** and push the ⏎ button.
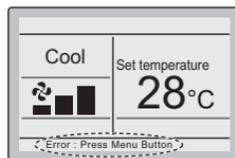
18. Language changeover

1 Display the **Language changeover** screen (18) (Refer to the chapter "Main menu structure" on page 19).

2 Use the ▼▲ buttons to select the language.

```
Language changeover
Selectable languages

       English

  Return      Setting      ♦
```
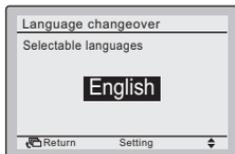
3 Push the ⏎ button to confirm the setting. Basic screen is displayed.

19. Error code display

1 If an error occurs, **Error: Press Menu Button** or **Warning: Press Menu Button** will blink in the basic screen.

```
┌──────────────────────────┐
│ Cool  │ Set temperature  │
│       │                  │
│ ❀■■   │    28°C           │
│                          │
│ ⌐ Error : Press Menu Button ┐ │
└──────────────────────────┘
```

2 Push the ⏎ button. The error code will blink and the **Contact address** and model info will be displayed.

Contents

1. Safety Precautions

Wipe the LCD and other surface parts of the remote controller with a dry cloth when they become dirty.

If the dirt on the surface can not be removed, soak the cloth in neutral detergent diluted with water, squeeze the cloth tightly, and clean the surface. Wipe the surface with a dry cloth then.

NOTE Do not use any paint thinner, organic solvent, or strong acid.

⚠ Do not wash the remote controller. Doing so may cause electric leakage and result in electric shocks or fire.


⚠ Be sure to stop the operation of the air conditioner and turn off the power supply breaker at the time of maintenance. Failure to do so may result in electric shocks or injury.
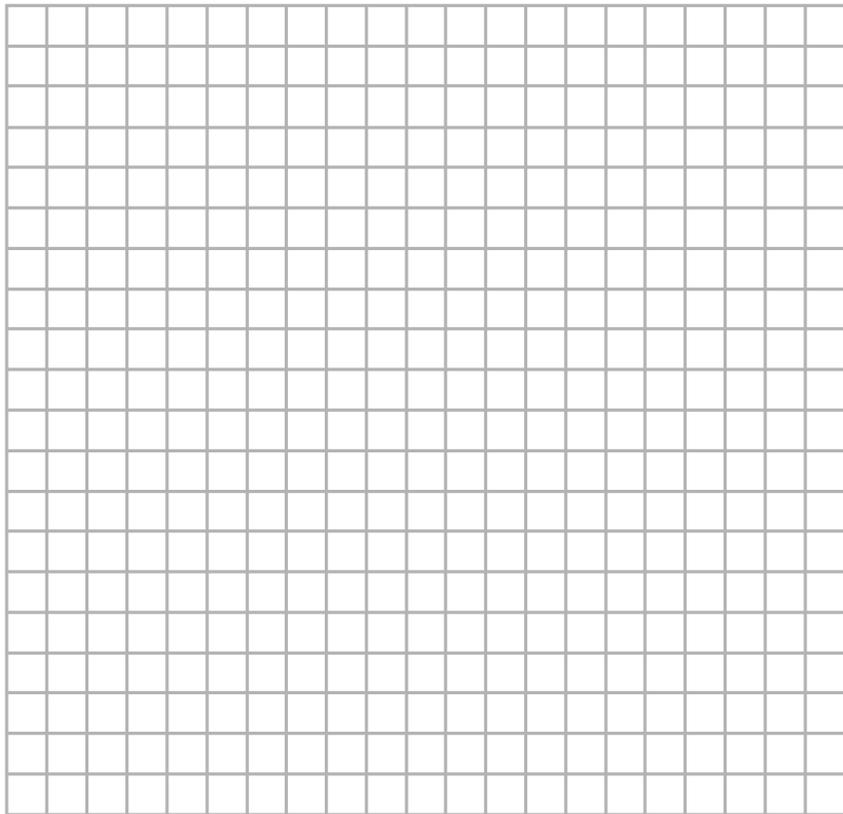
---

2. Filter sign resetting

1 When one of the following messages (**Clean the filter**, **Clean the filter and element**, or **Clean the element**) appears on the bottom of the basic screen, the filter has to be cleaned.
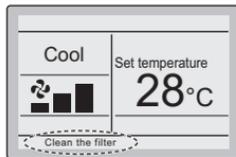
2 After the filter or element is washed, cleaned, or replaced, push the ⏎ button to enter the **MainMenu**.

3 Use the ▼▲ buttons to select **Filter Sign Reset** and push the ⏎ button to reset the filter sign.
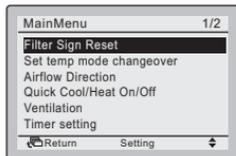
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NOTES

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