MITSUBISHI ELECTRIC

CITY MULTI Control System
and Mitsubishi Mr. SLIM Air Conditioners

MA Touch Remote Controller

PAR-CT01MAA-PB
PAR-CT01MAA-SB
PAR-CT01MAA-S
PAR-CT01MAR-PB
PAR-CT01MAR-SB

Instruction Book

CE

Prior to use, thoroughly read the instructions in this manual to use the product correctly.
Retain for future reference.
Make sure that this CD-ROM and the Installation Manual are passed on to any future users.
To ensure safety and proper operation of the remote controller, the remote controller should
only be installed by qualified personnel.

Contents

Safety precautions

• Thoroughly read the following safety precautions before using the unit.
• Observe these precautions carefully to ensure safety.

⚠ **WARNING**	Indicates a risk of death or serious injury.
⚠ **CAUTION**	Indicates a risk of serious injury or structural damage.

• After reading this manual, pass it on to the end user to retain for future reference.
• Keep this manual for future reference and refer to it as necessary. This manual should be made available to those who repair or relocate the controller. Make sure that the manual is passed on to any future users.

General precautions

⚠ WARNING

Do not install the unit in a place where large amounts of oil, steam, organic solvents, or corrosive gases, such as sulfuric gas, are present or where acidic/alkaline solutions or sprays are used frequently. These substances can compromise the performance of the unit or cause certain components of the unit to corrode, which can result in electric shock, malfunctions, smoke, or fire.

To reduce the risk of shorting, current leakage, electric shock, malfunctions, smoke, or fire, do not wash the controller with water or any other liquid.

To reduce the risk of electric shock, malfunctions, smoke or fire, do not operate the switches/buttons or touch other electrical parts with wet hands.

When disinfecting the unit using alcohol, ventilate the room adequately. The fumes of the alcohol around the unit may cause a fire or explosion when the unit is turned on.

To reduce the risk of injury or electric shock, before spraying a chemical around the controller, stop the operation and cover the controller.

To reduce the risk of injury or electric shock, stop the operation and switch off the power supply before cleaning, maintaining, or inspecting the controller.

If any abnormality (e.g., burning smell) is noticed, stop the operation, turn off the power switch, and consult your dealer. Continued use of the product may result in electric shock, malfunctions, or fire.

Properly install all required covers to keep moisture and dust out of the controller. Dust accumulation and water can cause electric shock, smoke, or fire.

⚠ CAUTION

To reduce the risk of fire or explosion, do not place flammable materials or use flammable sprays around the controller.

To reduce the risk of damage to the controller, do not directly spray insecticide or other flammable sprays on the controller.

To reduce the risk of environmental pollution, consult an authorized agency for proper disposal of remote controller.

To reduce the risk of electric shock or malfunctions, do not touch the touch panel, switches, or buttons with a pointy or sharp object.

To reduce the risk of injury and electric shock, avoid contact with sharp edges of certain parts.

To reduce the risk of injury, wear protective gear when working on the controller.

To avoid injury from broken glass, do not apply excessive force on the glass parts.

Precautions for moving or repairing the controller

⚠ WARNING

The controller should be repaired or moved only by qualified personnel. Do not disassemble or modify the controller.
Improper installation or repair may cause injury, electric shock, or fire.

⚠ CAUTION

To reduce the risk of shorting, electric shock, fire, or malfunction, do not touch the circuit board with tools or with your hands, and do not allow dust to accumulate on the circuit board.

Additional precautions

To avoid damage to the controller, use appropriate tools to install, inspect, or repair the controller.

This controller is designed for exclusive use with the Building Management System by Mitsubishi Electric. The use of this controller for with other systems or for other purposes may cause malfunctions.

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.

To avoid discoloration, do not use benzene, thinner, or chemical rag to clean the controller. To clean the controller, wipe with a soft cloth soaked in water with mild detergent, wipe off the detergent with a wet cloth, and wipe off water with a dry cloth.

To avoid damage to the controller, provide protection against static electricity.

This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Controller components

Controller interface - Status display/Main display

Status display   **Main display**

14:30Fri

Set temp.

28.5℃

14:30Fri

Cool

Mode
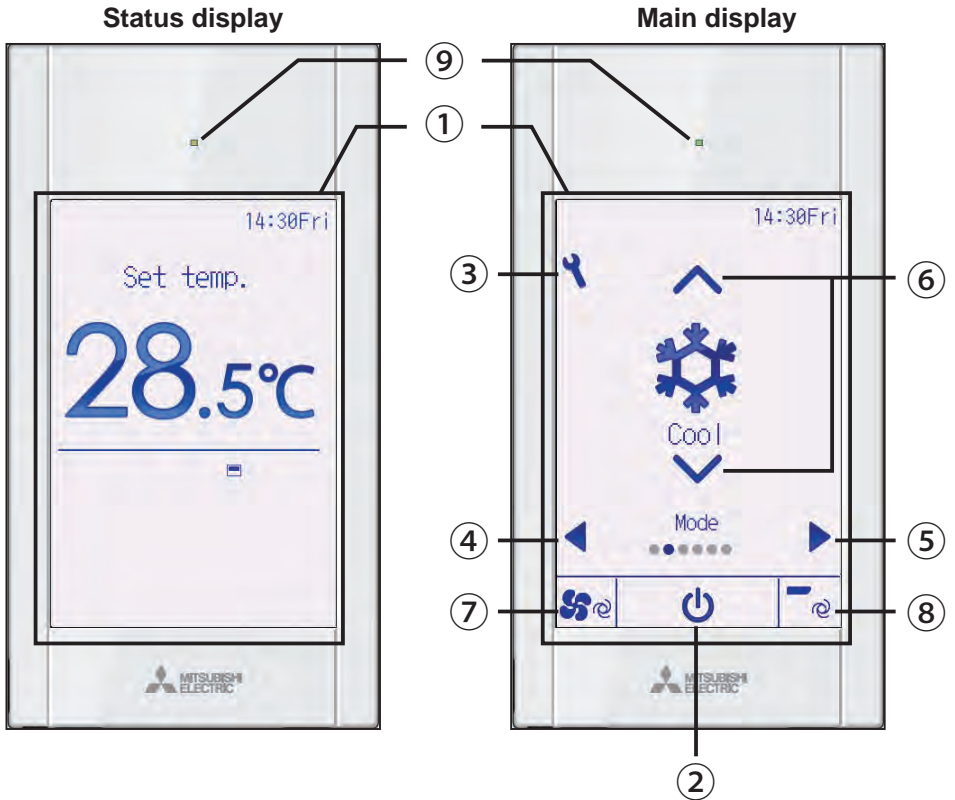
① Touch panel & Backlit full color LCD

Operation settings will appear.
When the backlight is off, pressing any area switches the screen to the Status display. While the Status display is displayed, pressing any area switches the screen to the Main display.

② ON/OFF button

Press to turn ON/OFF the indoor unit.

③ Setting button

Press to bring up the Main menu.
When the menu operation is locked, an administrator password is required.

④ ◀ button

Press to switch the setting items in the following order: louver, ventilation, vane, fan speed, operation mode, and preset temperature.

⑤ ▶ button

Press to switch the setting items in the following order: preset temperature, operation mode, fan speed, vane, ventilation, and louver.

⑥ ▲ ▼ button

Press to change the contents of the setting selected in ④ and ⑤ above.

⑦ Fan speed shortcut button

Press to directly access the fan speed settings screen.

⑧ Vane shortcut button

Press to directly access the vane settings screen.

⑨ ON/OFF lamp

This lamp lights up in green while the unit is in operation unless "LED lighting" is set to "No". It blinks while the remote controller is starting up or when there is an error.

When the ON/OFF operation is locked, ② will not be displayed.

When the setting item is switched with the ④ or ⑤ button, if the operation of the selected setting item is locked, the item will not be displayed.

If the operation of the fan speed or vane is locked, the item ⑦ or ⑧ will not be displayed.

The setting contents cannot be changed with the ⑥ button when the setting item is centrally controlled by the system controller.

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Controller components

① ON/OFF button

Press to turn ON/OFF the indoor unit.

② SELECT button

Press to save the setting.

③ RETURN button

Press to return to the previous screen.
When the Main menu is displayed,
pressing this button will display the Status
display.

④ MENU button   Page 24

Press to bring up the Main menu.

⑤ Function button F1

Menu screen: The button function varies
               with the screen.

⑥ Function button F2

Main menu: Press to move the cursor left.
Menu screen: The button function varies
               with the screen.

⑦ Function button F3

Main menu: Press to move the cursor
               right.
Menu screen: The button function varies
               with the screen.

⑧ Function button F4

Menu screen: The button function varies
               with the screen.

**The functions of the function buttons
change depending on the screen.
Refer to the button function guide that
appears at the bottom of the LCD for
the functions they serve on a given
screen.**

Main menu   **Menu screen**

Function guide

9
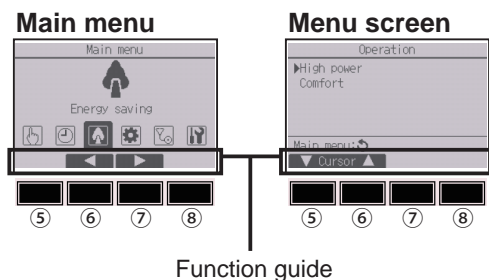
Controller components

Display - Status display/Main display

The Status display and Main display can be displayed in two different modes: "Full" and "Basic."
The factory setting is "Full." For how to switch the mode, refer to page 58.

Full mode

* All icons are displayed for explanation.

Status display

Main display

⑰ ① ③ ⑰ ③

Set temp.

28.5℃

④ – ⑯ ②

Set temp.

Basic mode

Status display

Main display

⑰ ① ③ ⑰ ③

Set temp.

28.5℃

②
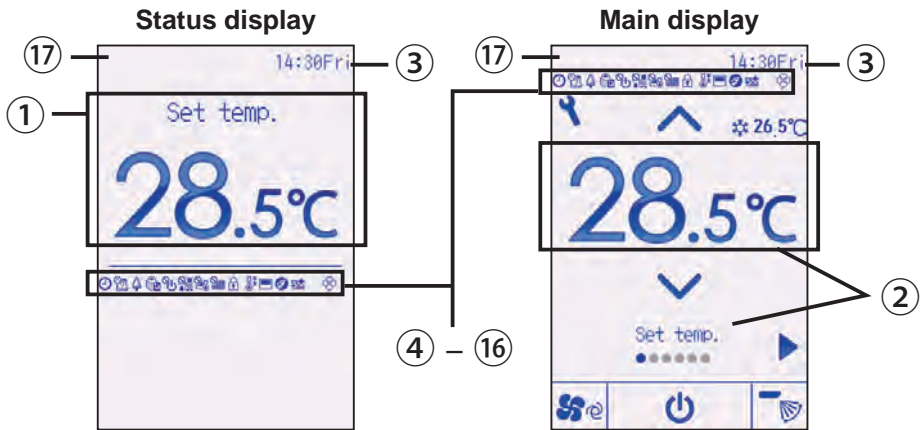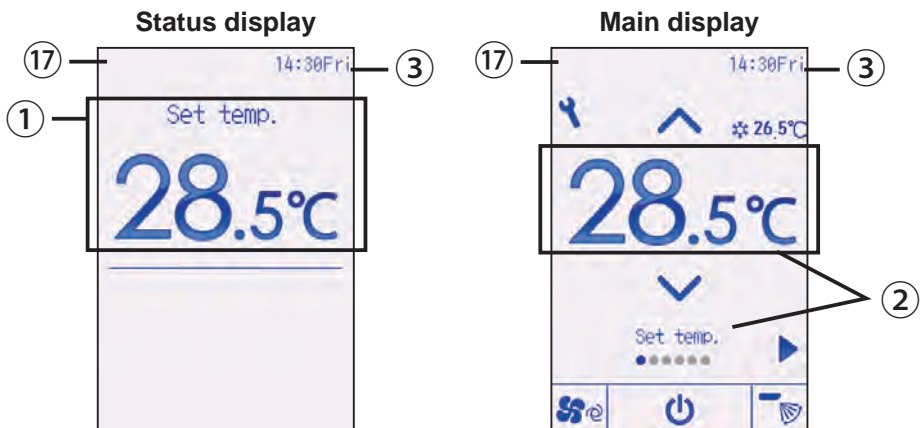
Set temp.

① **Preset temperature or room temperature**

Preset temperature or room temperature appears here.
(See the Installation Manual.)

② **Setting item and setting contents**   **Page 17**

The setting items "Preset temperature" ↔ "Operation mode" ↔ "Fan speed" ↔ "Vane" ↔ "Ventilation" ↔ "Louver," and their setting contents appear here.
"Centrally controlled" appears for a certain period of time when a centrally-controlled item is operated.

③ **Clock**

Current time appears here.
(See the Installation Manual.)

④ 🕐   **Page 29, 32, 40**

Appears when the On/Off timer (Page 29), Night setback (Page 40), or Auto-off timer (Page 32) function is enabled.

🕐 appears when the timer is disabled by the centralized control system.

⑤ 🕑   **Page 34**

Appears when the Weekly timer is enabled.

⑥ 🌳   **Page 51**

Appears while the units are operated in the energy-save mode. (Will not appear on some models of indoor units)

⑦ 📱   **Page 37**

Appears while the outdoor units are operated in the silent mode.

⑧ ⏻

Appears when the ON/OFF operation is centrally controlled.

⑨

Appears when the operation mode is centrally controlled.

⑩

Appears when the preset temperature is centrally controlled.

⑪

Appears when the filter reset function is centrally controlled.

⑫ 🔒   **Page 46**

Appears when the buttons are locked.

⑬ 🌡   **Page 43**

Appears when the preset temperature range is restricted.

⑭

Appears when the built-in thermistor on the remote controller is activated to monitor the room temperature.

 appears when the thermistor on the indoor unit is activated to monitor the room temperature.

⑮

Appears when an energy-saving operation is performed using a "3D i-See sensor" function.

⑯   **Page 78**

Indicates when filter needs maintenance.

⑰ **Preliminary error display**

An error code appears during the preliminary error.

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■ Menu structure and icons

Menu structure

Menu structure and icons

Settings menu
- →Function setting (Mr. SLIM) ··············Refer to the Installation Manual.
- →Function setting (CITY MULTI) ···········Refer to the Installation Manual.
- →Lossnay (CITY MULTI only)··············Refer to the Installation Manual.

Check menu
- →Error history ······································Refer to the Installation Manual.
- →Diagnosis
  - →Self check···································Refer to the Installation Manual.
  - →Remote controller check············Refer to the Installation Manual.
- →Smooth maintenance (Mr. SLIM only)····Refer to the indoor unit Installation Manual.
- →Request code (Mr. SLIM only) ···········Refer to the indoor unit Installation Manual.

Other menu
- →Maintenance password······················Refer to the Installation Manual.
- →Initialize remote controller ·················Page 70
- →Remote controller information ············Refer to the Installation Manual.

Not all functions are available on all models of indoor units.

Controller operation

Timer [P] ← The table below summarizes the square icons used in this manual.

P	The administrator or maintenance user password must be entered on the password input screen to change settings. There is no settings that can skip this process.

```
            Timer

Enter administrator password
         ▓000

Select:✓
 ◀ Cursor ▶      −       +
```
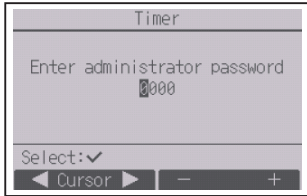
F1   F2   F3   F4

F1 : Press to move the cursor left.
F2 : Press to move the cursor right.
F3 : Press to decrease the value by 1.
F4 : Press to increase the value by 1.

* Changes cannot be made unless the correct password is entered.

ON	Indicates settings that can be changed only while the units are in operation.	**OFF**	Indicates settings that can be changed only while the units are not in operation.
☀/❄	Indicates settings that can be changed only while the units are operated in the Cool, Heat, or Auto mode.	🔒	Indicates functions that are not available when the buttons are locked or the system is centrally controlled.

Basic operations

Button operation

ON

Press the ON/OFF button.

The ON/OFF lamp will light up in green, and the operation will start.

When "LED lighting" is set to "No," the ON/OFF lamp will not light up.

ON/OFF button

OFF

Press the ON/OFF button again.

The ON/OFF lamp will come off, and the operation will stop.

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Button operation

Operation mode

Each pressing of the ▼ or ▲ button cycles through the following operation modes.

Select the desired operation mode.

| ❄ Cool | ● Dry | ❁ Fan |
| ↕ Auto | ☀ Heat | |

• Operation modes that are not available to the connected indoor unit models will not appear on the display.

What the blinking mode icon means
The mode icon will blink when other indoor units in the same refrigerant system (connected to the same outdoor unit) are already operated in a different mode. In this case, the rest of the unit in the same group can only be operated in the same mode.

<Auto (dual set point) mode>

When the operation mode is set to the Auto (dual set point) mode, two preset temperatures (one each for cooling and heating) can be set. Depending on the room temperature, indoor unit will automatically operate in either the Cool or Heat mode and keep the room temperature within the preset range.

The graph below shows the operation pattern of indoor unit operated in the Auto (dual set point) mode.

Operation pattern during Auto (dual set point) mode

The room temperature changes corresponding to the change in the outside temperature.

Preset temp. (Cool)

Preset temp. (Heat)

Room temperature

| Heat | Cool | Heat | Cool |

17
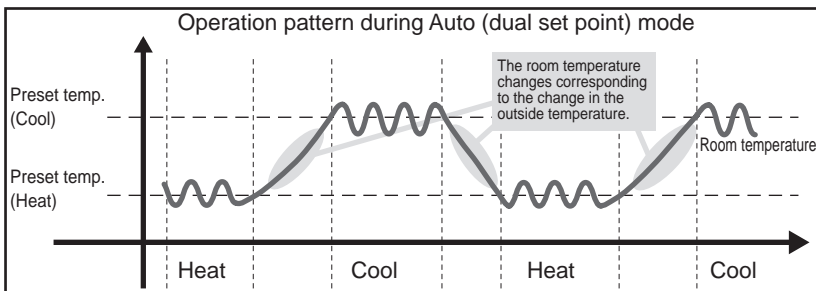
Basic operations

Preset temperature

<Cool, Dry, Heat, and Auto (single set point)>

Operation mode

Room temperature
(Refer to the
Installation Manual.)
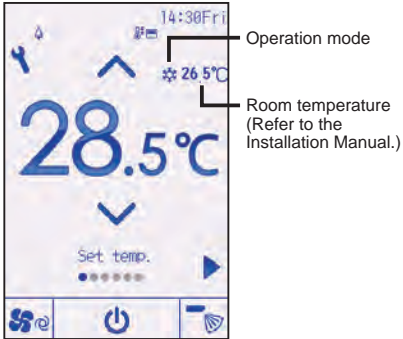
Press the ▼ button to decrease the preset temperature, and press the ▲ button to increase.

• Refer to the table on page 19 for the settable temperature range for different operation modes.
• Preset temperature range cannot be set for Fan/ Ventilation operation.
• Preset temperature will be displayed either in Centigrade in 0.5- or 1-degree increments, or in Fahrenheit, depending on the indoor unit model and the display mode setting on the remote controller.

<Auto (dual set point) mode>

1

Preset temperature for cooling

Preset temperature for heating
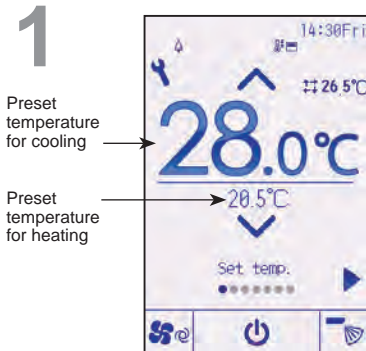
The current preset temperatures will appear.
Each pressing of the ◀ or ▶ button switches the preset temperatures for cooling and heating.

2

Preset temperature for cooling

Preset temperature for heating
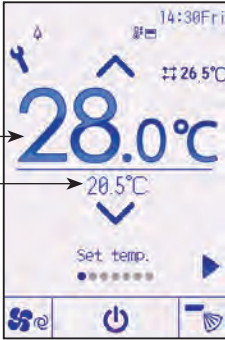
Press the ▼ button to decrease the selected temperature, and press the ▲ button to increase.

• Refer to the table below for the settable temperature range for different operation modes.
• The preset temperature settings for cooling and heating in the Auto (dual set point) mode are also used by the Cool/Dry and Heat modes.
• The preset temperatures for cooling and heating in the Auto (dual set point) mode must meet the conditions below:
  • Preset cooling temperature is higher than preset heating temperature.
 • The minimum temperature difference requirement between cooling and heating preset temperatures (varies with the models of indoor units connected) is met.
  • If preset temperatures are set in a way that does not meet the minimum temperature difference requirement, both preset temperatures will automatically be changed within the allowable setting ranges.

Settable preset temperature range

Operation mode	Preset temperature range
Cool/Dry	19 ~ 30 ºC (67 ~ 87 ºF)
Heat	17 ~ 28 ºC (63 ~ 83 ºF)
Auto (Single set point)	19 ~ 28 ºC (67 ~ 83 ºF)
Auto (Dual set points)	[Cool] 　Preset temperature range for the Cool mode [Heat] 　Preset temperature range for the Heat mode
Fan/Ventilation	Not settable

The settable temperature range varies with the model of indoor units.

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Basic operations

Fan speed

Each pressing of the ▼ or ▲ button cycles through the following fan speeds.

Auto
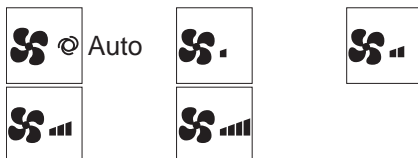
• The available fan speeds depend on the models of connected indoor units.

Vane setting

Each pressing of the ▼ or ▲ button cycles through the following vane settings.
Select the desired setting.

Auto   Step 1   Step 2

Step 3   Step 4   Step 5

Swing

(Sample screen on CITY MULTI)
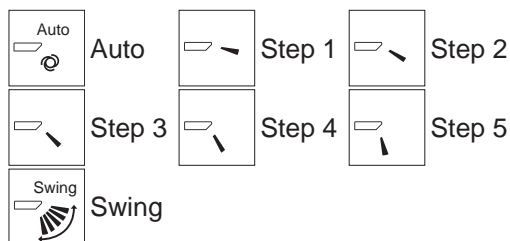
Select "Swing" to move the vanes up and down automatically.
When set to "Step 1" through "Step 5", the vane will be fixed at the selected angle.

• (1h) at the left of the vane setting icon
This icon will appear when the vane is set to Step 2, 3, 4, or 5 and the fan operates at low speed during cooling or dry operation (depends on the model).
The icon will go off in an hour, and the vane setting will automatically change.

Louver setting

(Sample screen on CITY MULTI)

Press the ▼ or ▲ button to turn on or off the louver swing.

| Off | Off | On | On |

Ventilation setting

The ventilation setting can be made even when the units are in operation.

(Sample screen on Mr. SLIM)

Each pressing of the ▼ or ▲ button cycles through the following ventilation settings.

* Settable only when Lossnay unit is connected.

| Off | Off | Low | Low | High | High |

• The fan on some models of indoor units may be interlocked with certain models of ventilation units.

Navigating through the menu

Main menu list

Main menu	Setting items		Setting details	Page
Operation	High power		**Use to reach the comfortable room temperature quickly.** • Units can be operated in the High-power mode for up to 30 minutes.	25
	Comfort	Manual vane angle	**Use to fix each vane angle.**	26
Timer	Timer	On/Off timer	**Use to set the operation On/Off times.** • Time can be set in 5-minute increments. * Clock setting is required.	29
		Auto-Off timer	**Use to set the Auto-Off time.** • Time can be set to a value from 30 to 240 in 10-minute increments.	32
	Weekly timer		**Use to set the weekly operation On/Off times.** • Up to eight operation patterns can be set for each day. • Two types of weekly schedules can be set. * Clock setting is required. * Not valid when the On/Off timer is enabled. * 1ºC increments	34
	OU silent mode		**Use to set the time periods in which priority is given to quiet operation of outdoor units over temperature control. Set the Start/Stop times for each day of the week.** • Select the desired silent level from "Normal," "Middle," and "Quiet." * Clock setting is required.	37
	Night setback		**Use to make Night setback settings.** • Select "Yes" to enable the setting, and "No" to disable the setting. The temperature range and the start/stop times can be set. * Clock setting is required. * 1ºC increments	40
Energy saving	Restriction	Temp. range	**Use to restrict the preset temperature range.** • Different temperature ranges can be set for different operation modes. * 1ºC increments	43
		Operation locked	**Use to lock selected functions.** • The locked functions cannot be operated.	46
	Energy saving	Auto return	**Use to get the units to operate at the preset temperature after performing energy-save operation for a specified time period.** • Time can be set to a value from 30 and 120 in 10-minute increments. * This function will not be valid when the preset temperature ranges are restricted. * 1ºC increments	49

Main menu	Setting items		Setting details	Page
Energy saving	Energy saving	Schedule	**Set the start/stop times to operate the units in the energy-save mode for each day of the week, and set the energy-saving rate.** • Up to four energy-save operation patterns can be set for each day. • Time can be set in 5-minute increments. • Energy-saving rate can be set to a value from 0% and 50 to 90% in 10% increments. * Clock setting is required.	51
Initial setting	Basic setting	Clock	**Use to set the current time.**	54
		Daylight saving time	**Sets the daylight saving time.**	56
	Display setting	Main display	**Use to switch between "Full" and "Basic" modes for the Status display and the Main display.** • The default setting is "Full."	58
		Brightness	**Use to adjust screen brightness.**	61
		Language selection	**Use to select the desired language.**	62
		Design	**Use to change the color of the Status display and Main display.**	64
	Touch panel	Touch panel calibration	**Sets the calibration settings for the touch panel.**	66
		Touch panel cleaning	**Temporarily makes the touch panel unresponsive to touch to allow for cleaning.**	68
Service	Initialize remote controller		**Use to initialize the remote controller to the factory shipment status.**	70
	Remote controller information		**Use to display the remote controller model name, software version, and serial number.**	72
Maintenance	Error information		**Use to check error information when an error occurs.** • Error code, error source, refrigerant address, unit model, manufacturing number, contact information (dealer's phone number) can be displayed. * The unit model, manufacturing number, and contact information need to be registered in advance to be displayed.	74
	Filter information		**Use to check the filter status.** • The filter sign can be reset.	78

Navigating through the menu

Button operation

Accessing the Main menu
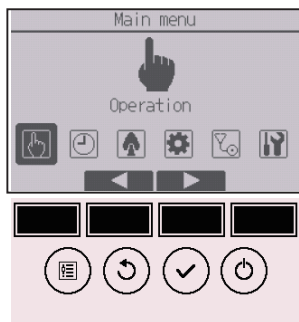
Press the Setting button on the Main display.

The Main menu will appear.

Item selection

Press F2 to move the cursor left.
Press F3 to move the cursor right.

Cursor

Function settings

High power

ON

Function description

High-power operation function allows the units to operate at higher-than-normal capacity so that the room air can be conditioned to an optimum temperature quickly. This operation will last for up to 30 minutes, and the unit will return to the normal operation mode at the end of the 30 minutes or when the room temperature reaches the preset temperature, whichever is earlier. The units will return to the normal operation when the operation mode or fan speed is changed.

Button operation

1

Operation
▶High power
Comfort
Main menu: ↺
▼ Cursor ▲

Select "High power" from the Operation menu during Cooling, Heating, or Auto operation, and press the SELECT button.

"High power" function is available only on the models that support the function.

2

High power
High power   No /Yes
Select: ✓
◀ Cursor ▶

Move the cursor to "Yes" with the F3 or F4 button, and press the SELECT button.

High power
High power   No /Yes
High power operation selected
Main menu: ▤

A confirmation screen will appear.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen .... RETURN button

25

■Function settings

Button operation

1

```
           Operation
 High power
▶Comfort



Main menu:↺
 ▼ Cursor ▲
```

⊟ ↺ ✓ ⏻
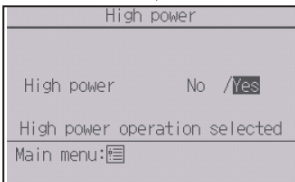
Select "Comfort" from the Operation menu, and press the SELECT button.

2

```
           Comfort
▶Manual vane angle
 3D i-See sensor



Setting display:✓
 ▼ Cursor ▲
```

⊟ ↺ ✓ ⏻
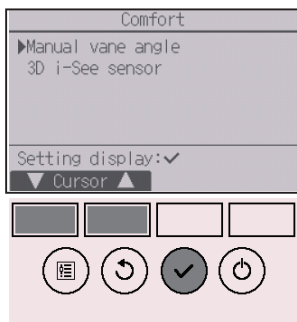
Select "Manual vane angle" with the F1 or F2 button, and press the SELECT button.

26

3

```
     Manual vane angle
▶Ref. address        0
 Unit No.        1/2/3/4


 Identify unit Check button
Input display:✓
▼Cur.  −Address +   Check
```

Move the cursor to "Ref. address" or "Unit No." with the F1 button to select.

Select the refrigerant address and the unit number for the units to whose vanes are to be fixed, with the F2 or F3 button, and press the SELECT button.

• Ref. address: Refrigerant address
• Unit No.: 1, 2, 3, 4

Press the F4 button to confirm the unit.

> The screen at left shows a sample display on Mr. SLIM. On CITY MULTI units, "M-NET address" is displayed instead of "Ref. address", and the "Unit No." will not be displayed.

4

```
     Manual vane angle
 Ref. address        0
 Unit No.        1/2/3/4
▶Vane          4-way/2-way



▼Cur.  ◀ Cursor ▶   Angle
```
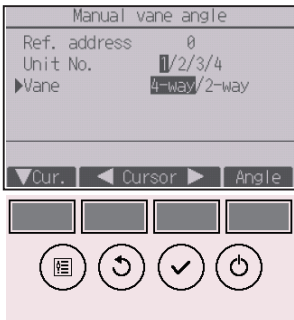
Select "Vane" with the F1 button.

Select "4-way" or "2-way" with the F2 or F3 button, and press the F4 button.

27

Function settings

5

Manual vane angle

Select: ✓

— Outlet +   ▼ Angle ▲

(menu icon) (return icon) (✓ select icon) (power icon)

▼

Manual vane angle
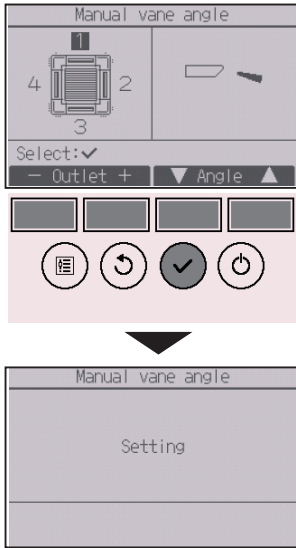
Setting

The current vane setting will appear.

Select the desired outlets from "1," "2," "3," "4," or "1, 2, 3, 4 (all outlets)" with the F1 or F2 button.

Press the F3 or F4 button to go through the following options and select the desired setting.

No setting	Step 1	Step 2
Step 3	Step 4	Step 5
Draft reduction*	All outlets	
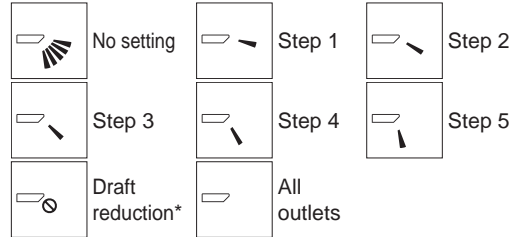
Press the SELECT button to save the settings.
A screen will appear that indicates the setting information is being transmitted.
The setting changes will be made to the selected outlet.
The screen will automatically return to the previous screen when the transmission is completed.
Make the settings for other outlets, following the same procedures.

If all outlets are selected, ▭ will be displayed the next time the unit goes into operation.

Navigating through the screens
• To return to the previous screen ...... RETURN button

---

*Draft reduction
The [Draft reduction] mode keeps the vane angle more horizontal than the angle of Step 1 so that the airflow will not be directed toward the people.
This function can be set only for one outlet.
This function cannot be set for models with two or three outlets.
In the Draft reduction mode, the airflow may cause the ceiling discoloration.

Timer (On/Off timer)　　　　　　　　　　　　　　　　　　　　　P

Button operation

1
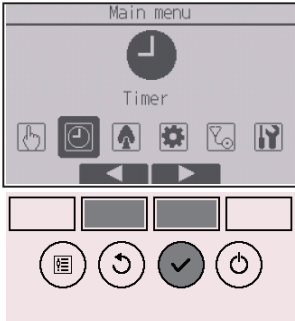
Main menu

Timer

Select "Timer" from the Main menu (refer to page 24), and press the SELECT button.

The On/Off timer will not work in the following cases:
when On/Off timer is disabled, during an error, during check (in the service menu), during test run, during remote controller diagnosis, when the clock is not set, during function setting, when the system is centrally controlled (when On/Off operation or timer operation from local remote controller is prohibited).

2

Timer menu
▶Timer
　Weekly timer
　OU silent mode
　Night setback

Main menu: ↺
▼ Cursor ▲

Move the cursor to "Timer," and press the SELECT button.

3

Timer
▶On/Off timer　　No
　On　　0:50　Off　14:30
　Repeat　No
Auto-Off　　No
　Stop in　　--- min
Setting display: ✓
▼ Cursor ▲
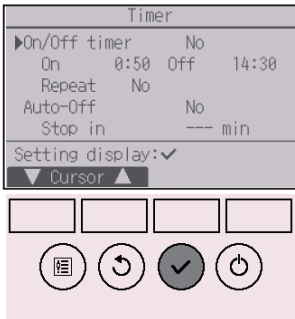
The current settings will appear.

Move the cursor to "On/Off timer," and press the SELECT button.

29

Function settings

4

Timer
▶On/Off timer   No /Yes
 On   0:50
 Off   14:30
 Repeat   No /Yes

Select:✓
▼ Cursor ▲   ◀ Cursor ▶

The screen to set the timer will appear.

Select the desired item with the F1 or F2 button out of "On/Off timer," "On," "Off," or "Repeat."

5

Timer
 On/Off timer   No /Yes
 On   0:50
▶Off   14:30
 Repeat   No /Yes

Select:✓
▼ Cursor ▲   − Time +

Change the setting with the F3 or F4 button.
• On/Off timer: No (disable)/Yes (enable)
• On: Operation start time
       (settable in 5-minute increments)
  * Press and hold the button to rapidly advance the numbers.
• Off: Operation stop time
       (settable in 5-minute increments)
  * Press and hold the button to rapidly advance the numbers.
• Repeat: No (once)/Yes (repeat)

6

```
          Timer
 On/Off timer    No /Yes
 On        0:50
▶Off      14:30
 Repeat    No /Yes

Select:✓
▼ Cursor ▲ │ ─ Time +
```

Press the SELECT button to save the settings.

```
          Timer
 On/Off timer    No /Yes
 On        0:50
 Off      14:30
 Repeat    No /Yes
       Changes saved
Main menu:
```

A confirmation screen will appear.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen .... RETURN button

```
              14:30Fri


              ☼ 26.5℃
```
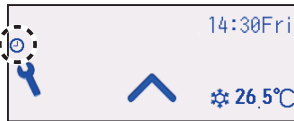
🕐 will appear on the Status display and the Main display in the Full mode when the On/Off timer is enabled.

🕐 appears when the timer is disabled by the centralized control system.

◼ Function settings

Timer (Auto-Off timer)   P

Button operation

1

```
          Timer
 On/Off timer     Yes
   On    0:50  Off   14:30
   Repeat  Yes
▶Auto-Off         No
   Stop in       --- min
 Setting display:✓
  ▼ Cursor ▲
```

Bring up the Timer setting screen.
(Refer to page 29.)

Select "Auto-Off", and press the SELECT button.

> **The Auto-Off timer will not work in the following cases:**
> when Auto-Off timer is disabled, during an error, during check (in the service menu), during test run, during remote controller diagnosis, during function setting, when the system is centrally controlled (when On/Off operation or timer operation from local controller is prohibited).

2

```
       Auto-Off timer
▶Auto-Off        No /Yes
  Stop in       120 min



 Select:✓
  ▼ Cursor ▲   ◀ Cursor ▶
```

The current settings will appear.

Move the cursor to "Auto-Off" or "Stop in --- min" with the F1 or F2 button.

3

```
       Auto-Off timer
 Auto-Off        No /Yes
▶Stop in        120 min



 Select:✓
  ▼ Cursor ▲    −  Time  +
```
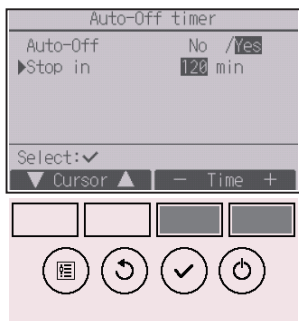
Change the setting with the F3 or F4 button.

• Auto-Off: No (disable)/Yes (enable)
• Stop in --- min: Timer setting (The settable range is 30 to 240 minutes in 10-minute increments.)

4
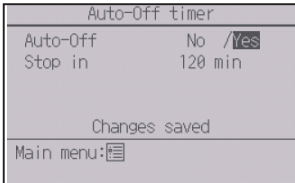
Auto-Off timer

Auto-Off   No /Yes
▶Stop in   120 min

Select:✓
▼ Cursor ▲ | − Time +

Press the SELECT button to save the settings.

⬇

Auto-Off timer

Auto-Off   No /Yes
Stop in   120 min

Changes saved
Main menu:▤

A confirmation screen will appear.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen .... RETURN button

14:30Fri

🔧   ☼ 26.5℃

🕒 will appear on the Status display and the Main display in the Full mode when the Auto-Off timer is enabled.

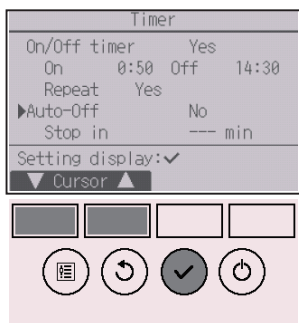🕒 appears when the timer is disabled by the centralized control system.

■Function settings

Weekly timer P

Button operation

1

Timer menu
Timer
▶Weekly timer
OU silent mode
Night setback
Main menu:↺
▼ Cursor ▲

Select "Weekly timer" from the Timer menu, and press the SELECT button.

> **The Weekly timer will not work in the following cases:**
> when the On/Off timer is enabled, when the weekly timer is disabled, during an error, during check (in the service menu), during test run, during remote controller diagnosis, when the clock is not set, during function setting, when the system is centrally controlled (On/Off operation, temperature setting, or timer operation from local remote controller is prohibited).

2

Weekly timer 1						1/2
Mon	Tue Wed Thu Fri Sat Sun					
No. 1	--:--	----	--°C			
2	--:--	----	--°C			
3	--:--	----	--°C			
4	--:--	----	--°C			
Setting display:✔						
◀ day ▶	Page		2			
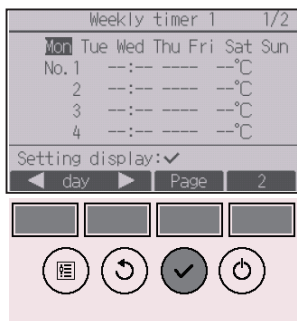
The current settings will appear.

Press the F1 or F2 button to see the settings for each day of the week.
Press the F3 button to see patterns 5 through 8.
Press the F4 button to display the status of Setting 2.

Press the SELECT button to go to the setting screen.

3

```
            Weekly timer
 ▶Action        No /1    /2
  Setting       1    /2

 Select:✓
 ▼ Cursor ▲   | ◄ Cursor ►
```

(🗐) (↺) (✓) (⏻)

The weekly timer settings screen will appear.

In the "Action" setting, select "1" to enable the timer setting 1, or select "2" to enable the timer setting 2 with the F3 or F4 button. Then, press the SELECT button.

To check the setting contents of the timer setting 1 or 2, move the cursor to "Setting" with the F1 or F2 button, and select "1" or "2" with the F3 or F4 button.

4

```
        Weekly timer 1    1/2
    Mon Tue Wed Thu Fri Sat Sun
 No.1    --:-- ----   --°C
    2    --:-- ----   --°C
    3    --:-- ----   --°C
    4    --:-- ----   --°C
 Input display:✓
  ◄   day   ►  | Select | Page
```

(🗐) (↺) (✓) (⏻)
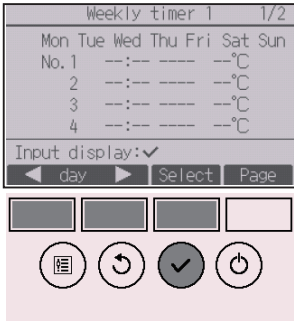
The weekly timer setting screen will appear and the current settings will be displayed.
Up to eight operation patterns can be set for each day.
Move the cursor to the desired day of the week with the F1 or F2 button, and press the F3 button to select it. (Multiple days can be selected.)

Press the SELECT button.

■ Function settings

5

```
     Weekly timer 1    1/2
            Thu
  No.1  10:00 Auto  20℃-27℃
▶   2   23:35 On    28℃
    3   --:-- ----  --℃
    4   --:-- ----  --℃
Select:✔
 ▼ Cursor ▶   −Content +
```

```
     Weekly timer 1
            Thu


       Changes saved
Day selection:✔
```

Operation pattern setting screen will appear.
Press the F1 button to move the cursor to the desired pattern number.
Move the cursor to the time, On/Off, or temperature with the F2 button.
Change the settings with the F3 or F4 button.
• Time: settable in 5-minute increments
  * Press and hold the button to rapidly advance the numbers.
• On/Off/Auto: Selectable settings depend on the model of connected indoor unit. (When an Auto pattern is executed, the system will operate in the Auto (dual set point) mode.)
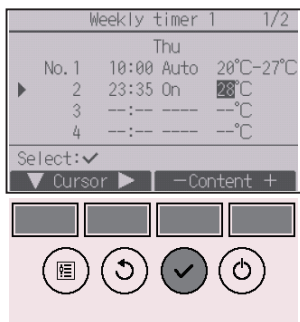• Temperature: The settable temperature range depends on the connected indoor units. (1℃ increments)
  When the Auto (dual set point) mode is selected, two preset temperatures can be set. If an operation pattern with a single preset temperature setting is executed during the Auto (dual set point) mode, its setting will be used as the cooling temperature setting in the Cool mode.
Press the SELECT button to save the settings.
A confirmation screen will appear.

Navigating through the screens
• To go back to the setting change/day of the week selection
  screen .... SELECT button
• To go back to the Main menu .... MENU button
• To return to the previous screen ..... RETURN button

```
              14:30Fri


           ☀ 26.5℃
```

will appear on the Status display and the Main display in the Full mode when the weekly timer setting for the current day exists.
The icon will not appear while the On/Off timer is enabled or the system is under centralized control (Timer operation from local remote controller is prohibited).

OU silent mode $\boxed{\text{P}}$

Function description

This function allows the user to set the time periods in which priority is given to quiet operation of outdoor units over temperature control. Set the start and stop times each day of the week for the quiet operation. Select the desired silent level from "Middle" and "Quiet".

Button operation

- -

1

```
          Timer menu
 Timer
 Weekly timer
▶OU silent mode
 Night setback

Main menu:↺
 ▼ Cursor ▲
```

Select "OU silent mode" from the Timer menu, and press the SELECT button.

"OU silent mode" function is available only on the models that support the function.
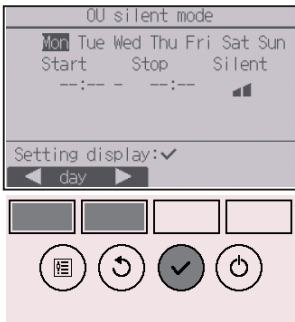
- -

2

```
        OU silent mode
 Mon Tue Wed Thu Fri Sat Sun
 Start    Stop    Silent
 --:-- -  --:--        ◢

Setting display:✓
 ◀   day   ▶
```

The current settings will appear.

Press the F1 or F2 button to see the settings for each day of the week.
Press the SELECT button to go to the setting screen.

■ Function settings

3

OU silent mode

OU silent mode　　No　/Yes
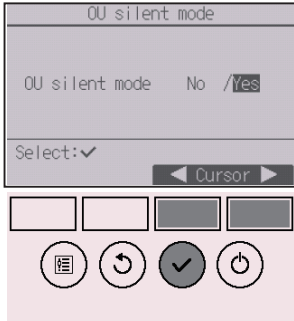
Select:✓
◀ Cursor ▶

The screen to enable (Yes) and disable (No) the silent mode will appear.

To enable this setting, move the cursor to "Yes" with the $\boxed{F3}$ or $\boxed{F4}$ button, and press the $\boxed{SELECT}$ button .

4

OU silent mode
　　Tue Wed Thu Fri Sat Sun
Start　　Stop　　Silent
　　--:-- -　　--:--　◢◣
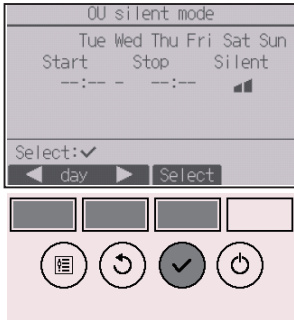
Select:✓
◀　day　▶　Select

The OU silent mode setting screen will appear.

To make or change the setting, move the cursor to the desired day of the week with the $\boxed{F1}$ or $\boxed{F2}$ button, and press the $\boxed{F3}$ button to select it. (Multiple days can be selected.)

Press the $\boxed{SELECT}$ button.

5

OU silent mode

Start   Stop   Sat Silent
0:25 –   23:20

Select:✓
◄ Cursor ►   −Content +
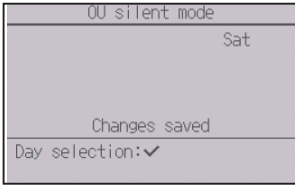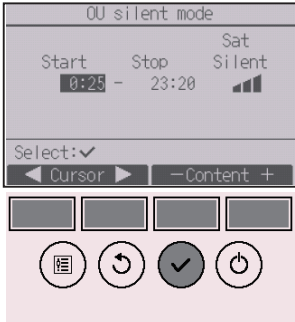
The setting screen will appear.

Move the cursor to the desired item with the $\boxed{F1}$ or $\boxed{F2}$ button out of Start time, Stop time, or Silent level.

Change the settings with the $\boxed{F3}$ or $\boxed{F4}$ button.

• Start/Stop time: settable in 5-minute increments
  * Press and hold the button to rapidly advance the numbers.
• Silent level: Normal, Middle, Quiet

▮▮▮ Normal   ▮▮ Middle   ▮ Quiet

OU silent mode

Sat

Changes saved

Day selection:✓

Press the $\boxed{SELECT}$ button to save the settings. A confirmation screen will appear.

Navigating through the screens
• To go back to the setting change/day of the week selection screen .... $\boxed{SELECT}$ button
• To go back to the Main menu .... $\boxed{MENU}$ button
• To return to the previous screen ..... $\boxed{RETURN}$ button

---

14:30Fri

☼ 26.5℃

will appear on the Status display and the Main display in the Full mode during the OU silent mode.

Function settings

Night setback P

Function description

This control starts heating operation when the control object group is stopped and the room temperature drops below the preset lower limit temperature. Also, this control starts cooling operation when the control object group is stopped and the room temperature rises above the preset upper limit temperature.

The Night setback function is not available if the operation and the temperature setting are performed from the remote controller.

If the room temperature is measured by the air-conditioner's suction temperature sensor, the accurate temperature may not be obtained when the air-conditioner is inactive or when the air is not clean. In this case, switch the sensor to a remote sensor (PAC-SE40TSA/PAC-SE41TS-E) or a remote control sensor.

Button operation

1

```
        Timer menu
 Timer
 Weekly timer
 OU silent mode
▶Night setback

Main menu:↺
 ▼ Cursor ▲
```

Select "Night setback" from the Timer menu, and press the SELECT button.

2

```
        Night setback
 Night setback    Yes
 Temp. range   19℃ -  28℃
 Start            23:00
 Stop              5:00

Setting display:✓
```
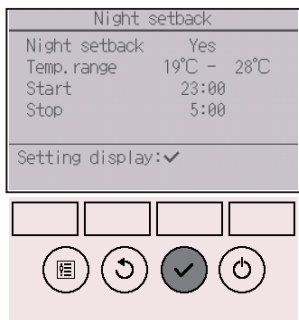
The current settings will appear.

Press the SELECT button to go to the setting screen.

40

3

```
        Night setback
▶Night setback      No / Yes
 Temp. range      19℃ - 28℃
 Start              23:00
 Stop                5:00

Select: ✓
▼ Cur.            ◀ Cursor ▶
```

```
        Night setback
 Night setback      Yes
 Temp. range      19℃ - 28℃
 Start              23:00
 Stop                5:00
       Changes saved
Main menu: ▤
```

Move the cursor to the desired item with the F1 or F2 button out of Night setback No (disable)/Yes (enable), Temp. range, Start time, or Stop time.

Change the settings with the F3 or F4 button.

• Temp. range: The lower limit temperature (for heating operation) and the upper limit temperature (for cooling operation) can be set. The temperature difference between the lower and upper limits must be 4ºC (8ºF) or more. The settable temperature range varies depending on the connected indoor units.
 * 1ºC increments

• Start/Stop time: settable in 5-minute increments
 * Press and hold the button to rapidly advance the numbers.

Press the SELECT button to save the settings.
A confirmation screen will appear.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen ...... RETURN button

Function settings

⏲ will appear on the Status display and the Main display in the Full mode when the Night setback function is enabled.

⏲ appears when the timer is disabled by the centralized control system.

> **The Night setback will not work in the following cases:**
> when the unit is in operation, when the Night setback function is disabled, during an error, during check (in the service menu), during test run, during remote controller diagnosis, when the clock is not set, during function setting, when the system is centrally controlled (On/Off operation, temperature setting, or timer operation from local remote controller is prohibited).

Restriction

P

Setting the temperature range restriction

Button operation
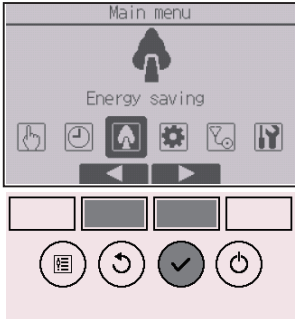
- -

1

```
       Main menu
          🔥
     Energy saving
 [✋] [🕐] [🔥] [⚙] [📊] [🔧]
      ◄       ►
```

Select "Energy saving" from the Main menu (refer to page 24), and press the SELECT button.

- -

2

```
      Energy saving
 ▶Restriction
  Energy saving


 Main menu:↺
 ▼ Cursor ▲
```
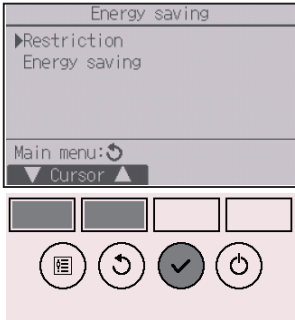
Move the cursor to "Restriction" with the F1 or F2 button, and press the SELECT button.

43

■Function settings

3

```
        Restriction    1/2
▶Temp. range       No
  Cool·Dry    25℃ - 28℃
  Heat        20℃ - 25℃
  Auto        22℃ - 28℃

Setting display:✔
  ▼  Page   ▲
```
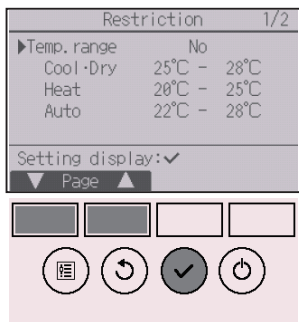
The current settings will appear.

Move the cursor to "Temp. range" with the [F1] or [F2] button, and press the [SELECT] button.

4

```
       Temp. range
▶Temp. range     No /Yes
  Cool·Dry    25℃ - 28℃
  Heat        20℃ - 25℃
  Auto        22℃ - 28℃

Select:✔
▼Cur.          ◀ Cursor ▶
```
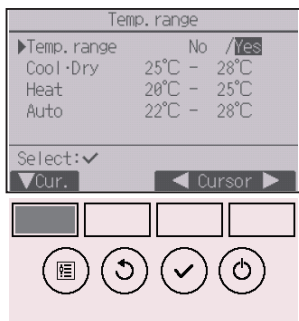
The screen to set the temperature range will appear.

Move the cursor to the desired item with the [F1] button out of "Temp. range," "Cool•Dry," "Heat," or "Auto."

44

5

Temp. range		
Temp. range	No	/**Yes**
▶Cool·Dry	**25**℃ –	28℃
Heat	20℃ –	25℃
Auto	22℃ –	28℃
Select:✓		
▼ Cursor ▶	– Temp.	+

Temp. range		
Temp. range	No	/**Yes**
Cool·Dry	25℃ –	28℃
Heat	20℃ –	25℃
Auto	22℃ –	28℃
	Changes saved	
Main menu:▤		

Change the settings with the F3 or F4 button.
• Temp. range: No (unrestricted) or Yes (restricted)
• Cool•Dry: Upper and lower limit temperature (1ºC increments)
• Heat: Upper and lower limit temperature (1ºC increments)
• Auto: Upper and lower limit temperature (1ºC increments)

Temperature setting ranges

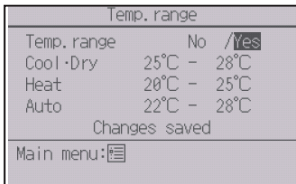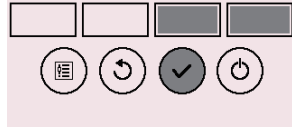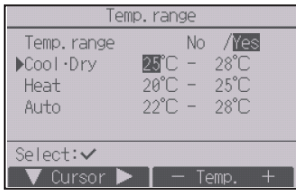| Mode		Lower limit	Upper limit
Cool·Dry	*1 *3	19 ~ 30ºC (67 ~ 87ºF)	30 ~ 19ºC (87 ~ 67ºF)
Heat	*2 *3	17 ~ 28ºC (63 ~ 83ºF)	28 ~ 17ºC (83 ~ 63ºF)
Auto	*4	19 ~ 28ºC (67 ~ 83ºF)	28 ~ 19ºC (83 ~ 67ºF)

* The settable range varies depending on the connected unit.
*1 Temperature ranges for the Cool, Dry, and Auto (dual set point) modes can be set.
*2 Temperature ranges for the Heat and Auto (dual set point) modes can be set.
*3 Temperature ranges for the Heat, Cool, and Dry modes must meet the conditions below:
  • Upper limit for cooling - upper limit for heating ≥ Minimum temperature difference (varies with indoor unit model)
  • Lower limit for cooling - lower limit for heating ≥ Minimum temperature difference (varies with indoor unit model)
*4 Temperature range for the Auto (single set point) mode can be set.

Press the SELECT button to save the settings.

A confirmation screen will appear.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen ...... RETURN button

🌡 will appear on the Status display and the Main display in the Full mode when the temperature range is restricted.

45

Function settings

Restriction

P

Operation lock function

To enable the operation lock function, set the item "Operation locked" to " Yes".

Button operation

- -

1

```
          Restriction    1/2
▶Operation locked  No
  On/Off  Mode   Set temp.
  Vane    Menu   Fan
  Louver

Setting display:✓
  ▼   Page   ▲
```
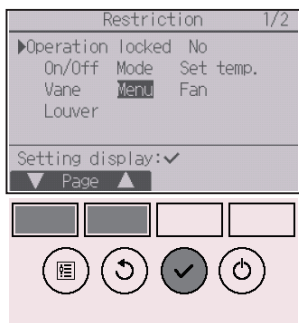
Bring up the Restriction setting screen. (Refer to page 43.)

Move the cursor to "Operation locked" and press the SELECT button.

2

Restriction 1/2
▶Operation locked No / Yes
Location   Indiv. /Hotel
On/Off   ■/Locked
Mode   ■/Locked
Set temp.   -/Locked
Select:✓
▼ Cursor ▲ | ◄ Cursor ►

Restriction
Operation locked Yes
  On/Off Mode   Set temp.
  Vane   Menu   Fan
  Louver
      Changes saved
Main menu:▤
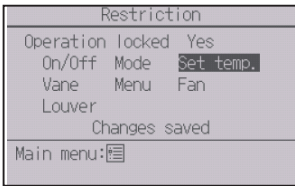
The screen to make the settings for the operation lock function will appear.

Move the cursor to the desired item with the F1 or F2 button out of "Operation locked," "Location," "On/Off," "Mode," "Set temp.," "Menu," "Fan," "Louver," or "Vane."

Change the settings with the F3 or F4 button.
• Operation locked: No (disable)/Yes (enable)
• Location: "Individual" or "Hotel"
• On/Off: On/Off operation
• Mode: Operation mode setting   "-" / "Locked"
• Set temp.: Preset temp. setting
• Vane: Vane setting
• Menu: Menu setting
• Fan: Fan speed setting
• Louver: Louver setting

When "Hotel" is selected for the "Location" setting, the following operations will be locked automatically: Mode, Vane, Menu, and Louver.

Press the SELECT button to save the settings.
A confirmation screen will appear.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen ...... RETURN button

Function settings

🔒 will appear on the Status display and the Main display in the Full mode when the operation lock function setting is enabled.

Operation guide that corresponds to the locked function will be suppressed.

To display the main menu while the menu setting is being locked, press and hold the ⌊Setting⌋ button for ten or more seconds. Enter the administrator's password on the password input screen.

Energy saving

Automatic return to the preset temperature

After the Auto return function is enabled, when the operation mode change or ON/OFF operation is performed from this remote controller, the set temperature automatically returns to the required temperature regardless of the set time.

Button operation

1

```
          Energy saving
 Restriction
▶Energy saving



Main menu:↺
 ▼ Cursor ▲
```
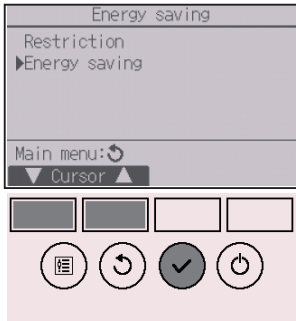
Select "Energy saving" from the Energy saving menu, and press the SELECT button.

2

```
          Energy saving
▶Auto return      Yes
   Cool:    60 min, 28℃
   Heat:    60 min, 20℃
 Schedule        No

Setting display:✓
 ▼ Cursor ▲
```

The current settings will appear.

Move the cursor to "Auto return" with the F1 or F2 button, and press the SELECT button.

49

■ Function settings

3

```
            Auto return
▶Auto return      No /Yes
  Cool:    After    60 min
           back to   28℃
  Heat:    After    60 min
           back to   20℃
Select:✓
 ▼ Cursor ▲    ◀ Cursor ▶
```

The screen to make the settings for the automatic return to the preset temperature will appear.

Move the cursor to the desired item with the F1 or F2 button out of "Auto return," "Cool," or "Heat."

4

```
            Auto return
 Auto return      No /Yes
▶ Cool:   After    60 min
          back to   28℃
  Heat:   After    60 min
          back to   20℃
Select:✓
 ▼ Cursor ▲    −Content +
```
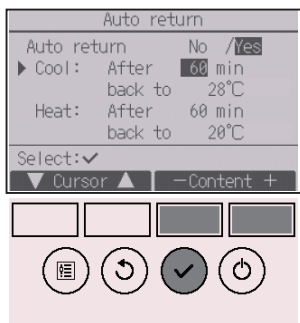
```
            Auto return
 Auto return       Yes
  Cool:     60 min, 28℃
  Heat:     60 min, 20℃
        Changes saved

Main menu:▤
```

Change the settings with the F3 or F4 button.
• Auto return: No (disable)/Yes (enable)
• Cool: Timer setting range is 30 to 120 minutes in 10-minute increments.
  Temperature setting range is 19 to 30ºC (67 to 87ºF) (1ºC increments).
• Heat: Timer setting range is 30 to 120 minutes in 10-minute increments.
  Temperature setting range is 17 to 28ºC (63 to 83ºF) (1ºC increments).

Press the SELECT button to save the settings. "Cool" includes "Dry" and "Auto Cool" modes, and "Heat" includes "Auto Heat" mode.
The screen to set the selected item will appear.
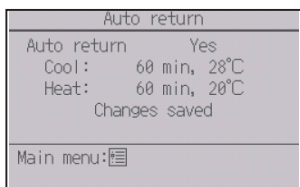
> **Navigating through the screens**
> • To go back to the Main menu .... MENU button
> • To return to the previous screen ...... RETURN button

Timer or preset temperature settings will not be effective when the temperature range is restricted and when the system is centrally controlled (when the temperature range setting from local controller is prohibited). When the system is centrally controlled (when timer operation from local remote controller is prohibited), only the timer setting will be ineffective.

Energy saving

Setting the energy-saving operation schedule

Button operation

- -

1

```
        Energy saving
 Auto return       Yes
   Cool:      60 min, 28℃
   Heat:      60 min, 20℃
▶Schedule          No

 Setting display:✓
 ▼  Cursor  ▲
```

(▤) (↺) (✓) (⏻)
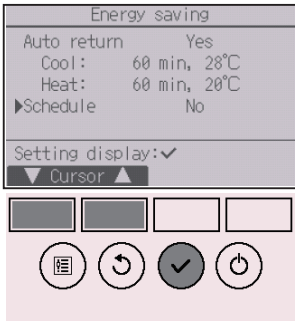
Bring up the "Energy saving" screen. (Refer to page 49.)

Move the cursor to "Schedule," and press the SELECT button.

- -

2

```
         Energy saving
 Mon Tue Wed Thu Fri Sat Sun
 No.1   --:-- -    --:-- --%
    2   --:-- -    --:-- --%
    3   --:-- -    --:-- --%
    4   --:-- -    --:-- --%
 Setting display:✓
 ◀  day  ▶
```

(▤) (↺) (✓) (⏻)
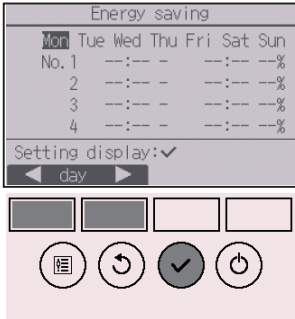
The screen to see the schedule will appear.

Press the F1 or F2 button to see the settings for each day of the week.
Press the SELECT button to go to the setting screen.

- -

3

```
         Energy saving


 Energy saving     No /Yes

 Select:✓
 ◀  Cursor  ▶
```

(▤) (↺) (✓) (⏻)
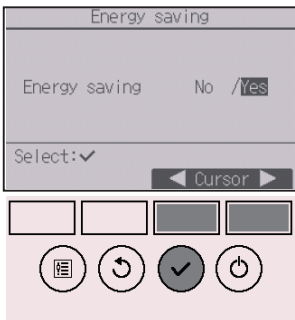
The screen to enable (Yes)/disable (No) the energy-saving operation schedule will appear.

Select "No" or "Yes" with the F3 or F4 button.
Press the SELECT button to go to the setting change/day of the week selection screen.

51

Function settings

4

Energy saving

Mon Tue Wed Thu Fri Sat Sun
No. 1   --:-- -   --:-- --%
      2   --:-- -   --:-- --%
      3   --:-- -   --:-- --%
      4   --:-- -   --:-- --%
Input: ✓
◄ day ► Select

The setting change/day of the week selection screen will appear.

Up to four operation patterns can be set for each day.

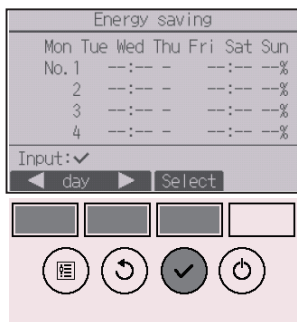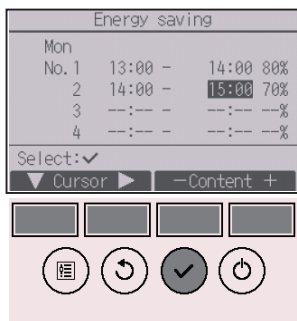Move the cursor to the desired day of the week with the F1 or F2 button, and press the F3 button to select it. (Multiple days can be selected.)

Press the SELECT button to go to the pattern setting screen.

5

Energy saving

Mon
No. 1   13:00 -   14:00 80%
      2   14:00 -   15:00 70%
      3   --:-- -   --:-- --%
      4   --:-- -   --:-- --%
Select: ✓
▼ Cursor ► — Content +

The pattern setting screen will appear.

Press the F1 button to move the cursor to the desired pattern number.

Move the cursor to the desired item with the F2 button out of the start time, stop time, and energy-saving rate (arranged in this order from the left).

Change the settings with the F3 or F4 button.
- Start/Stop time: settable in 5-minute increments
  * Press and hold the button to rapidly advance the numbers.
- Energy-saving rate: The setting range is 0% and 50 to 90% in 10% increments.

Energy saving

Mon

Changes saved
Day selection: ✓

Press the SELECT button to save the settings.
A confirmation screen will appear.
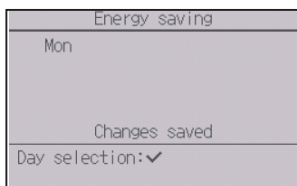
The lower the value, the greater the energy-saving effect.

will appear on the Status display and the Main display in the Full mode when the unit is operated in the energy saving mode.

Navigating through the screens
• To go back to the setting change/day of the week selection
  screen .... SELECT button
• To go back to the Main menu .... MENU button
• To return to the previous screen ...... RETURN button

▋Function settings

Clock　　　　　　　　　　　　　　　　　　　　　　　　　　　P

Button operation

1

Main menu
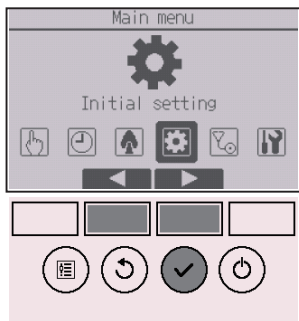
Initial setting

Select "Initial setting" from the Main menu (refer to page 24), and press the SELECT button.

> **Clock setting is required before making the following settings.**
> • On/Off timer　　　　　• Weekly timer
> • OU silent mode　　　　• Energy saving
> • Night setback

> If a given system has no system controllers, the clock time will not automatically be corrected.
> In this case, periodically correct the clock time.

2

Initial setting menu

▶Basic setting
Display setting
Operation setting
Touch panel

Main menu:↺
▼ Cursor ▲
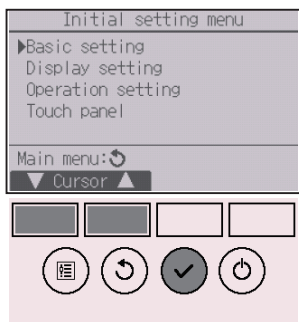
Move the cursor to "Basic setting" with the F1 or F2 button, and press the SELECT button.

3

Basic setting

▶Clock
Administrator password

Setting display:✓
▼ Cursor ▲
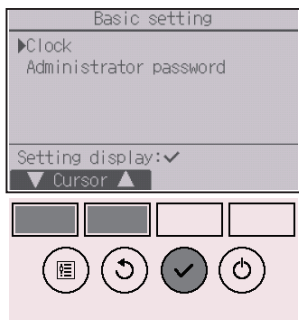
Select "Clock" with the F1 or F2 button, and press the SELECT button.

4

Clock menu

▶Clock
 Daylight saving time

Setting display: ✓
▼ Cursor ▲

Move the cursor to "Clock" with the F1 or F2 button, and press the SELECT button.

5

Clock

yyyy/ mm/ dd   hh: mm
2017/ 01/ 01 AM 12: 00

Select: ✓
◀ Cursor ▶ │ ─   +

Move the cursor to the desired item with the F1 or F2 button out of year, month, date, hour, or minute. Increase or decrease the value for the selected item with the F3 or F4 button, and press the SELECT button.
A confirmation screen will appear.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen .... RETURN button

▋Function settings

Daylight saving time
$\boxed{\text{P}}$

▋Function description

The start/end time for daylight saving time can be set. The daylight saving time function will be activated based on the setting contents.

- If a given system has a system controller, disable this setting to keep the correct time.
- At the beginning and the end of daylight saving time, the timer may go into action twice or not at all.
- This function will not work unless the clock has been set.

Button operation

1

```
         Basic setting
▶Clock
 Administrator password


Setting display:✓
 ▼ Cursor ▲
```
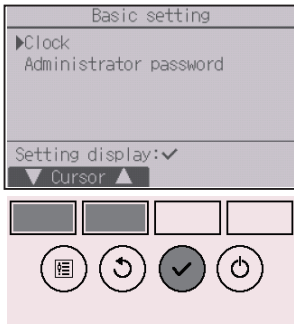
Select "Clock" from the Basic setting menu, and press the SELECT button.

2

```
         Clock menu
 Clock
▶Daylight saving time


Setting display:✓
 ▼ Cursor ▲
```

Move the cursor to "Daylight saving time" with the F1 or F2 button, and press the SELECT button.

3

Daylight saving time 1/2
▶DST　　　　　　　No/**Yes**
Day/Week/Month
Date(Start)　　Sun/ 5th/ Mar
Start time　　　AM 1:00
Forward to　　　AM 2:00
Select:✓
▼ Cursor ▶

Daylight saving time 2/2
Day/Week/Month
▶Date(End)　　**Sun**/ 5th/ Oct
End time　　　　AM 2:00
Backward to　　AM 1:00
Select:✓
▼ Cursor ▶ 　　− 　　+
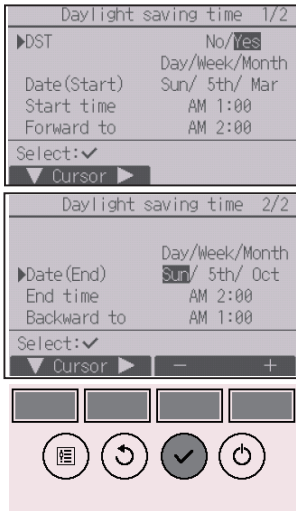
Move the cursor to the following items with the F1 button to make the settings.

• DST

Select "No" (disable) or "Yes" (enable) with the F2 button. The default setting is "No."

• Date(Start)*1

Set the day of the week, week number, and month with the F3 or F4 button. The default setting is "Sun/5th/Mar."

• Start time

Set the start time for daylight saving time with the F3 or F4 button.

• Forward to

Set the time when the clock is to be set forward to at the start time above with the F3 or F4 button.

• Date(End)*1 (2nd page)

Set the day of the week, week number, and month with the F3 or F4 button. The default setting is "Sun/5th/Oct."

• End time (2nd page)

Set the end time for daylight saving time with the F3 or F4 button.

• Backward to (2nd page)

Set the time when the clock is to be set backward to at the end time above with the F3 or F4 button.

*1 If "5th" is selected for the week number and the 5th week does not exist in the selected month of the year, the setting is considered to be "4th."

Daylight saving time 1/2
DST　　　　　　　No/**Yes**
Day/Week/Month
Date(Start)　　Sun/ 5th/ Mar
Changes saved
Main menu:▤

Press the SELECT button to save the settings.

A confirmation screen will appear.

Navigating through the screens
• To go back to the Main menu .... MENU button
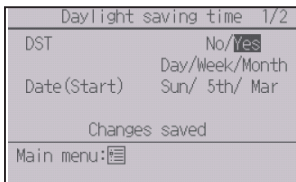• To return to the previous screen ...... RETURN button

■Function settings

Main display $\boxed{\text{P}}$

Button operation

1

```
      Initial setting menu
 Basic setting
▶Display setting
 Operation setting
 Touch panel

Main menu:↻
 ▼ Cursor ▲
```


Select "Display setting" from the Initial setting menu, and press the $\boxed{\text{SELECT}}$ button.

2

```
      Display setting
▶Main display
 Display details
 Brightness
 Design
 Language selection
Setting display:✓
 ▼ Cursor ▲
```


Move the cursor to "Main display" with the $\boxed{\text{F1}}$ or $\boxed{\text{F2}}$ button, and press the $\boxed{\text{SELECT}}$ button.

3

```
      Main display

▶Full  /Basic
 Icon explan.   Yes /No


Select:✓
 ▼ Cursor ▲    ◄ Cursor ►
```
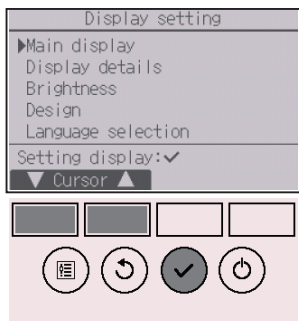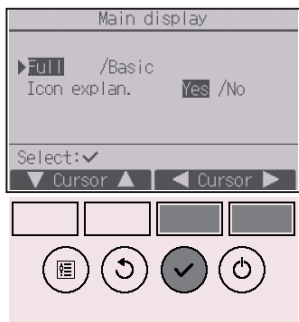

Select "Full" or "Basic" (refer to page 10) with the $\boxed{\text{F3}}$ or $\boxed{\text{F4}}$ button, and press the $\boxed{\text{SELECT}}$ button.

A confirmation screen will appear.

Navigating through the screens
- To go back to the Main menu .... $\boxed{\text{MENU}}$ button
- To return to the previous screen ...... $\boxed{\text{RETURN}}$ button

Icon explanation

Button operation

1

```
      Initial setting menu
 Basic setting
▶Display setting
 Operation setting
 Touch panel

Main menu:↺
 ▼ Cursor ▲
```

Select "Display setting" from the Initial setting menu, and press the SELECT button.

2

```
       Display setting
▶Main display
 Display details
 Brightness
 Design
 Language selection
Setting display:✓
 ▼ Cursor ▲
```

Move the cursor to "Main display" with the F1 or F2 button, and press the SELECT button.

3

```
        Main display

 Full  /Basic
▶Icon explan.      Yes /No


Select:✓
 ▼ Cursor ▲    ◄ Cursor ►
```
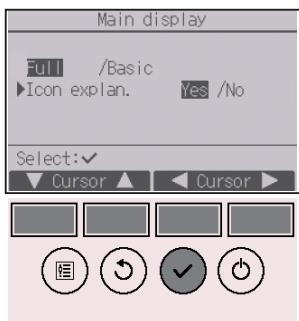
Select "Icon explan." with the F1 or F2 button, select the desired setting "Yes" or "No" with the F3 or F4 button, and press the SELECT button.
The default setting is "Yes".

Navigating through the screens
- To go back to the Main menu .... MENU button
- To return to the previous screen ...... RETURN button

■ Function settings

4
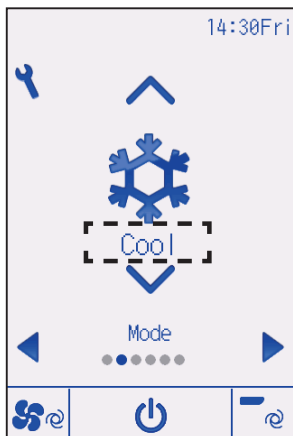
When "Yes" is selected, the explanation of the icon of the setting item will appear as shown at left.

Brightness $\boxed{P}$

Button operation

1

```
      Initial setting menu
 Basic setting
▶Display setting
 Operation setting
 Touch panel

Main menu:↻
▼ Cursor ▲
```

Select "Display setting" from the Initial setting menu, and press the SELECT button.

2

```
       Display setting
 Main display
 Display details
▶Brightness
 Design
 Language selection
Setting display:✓
▼ Cursor ▲
```
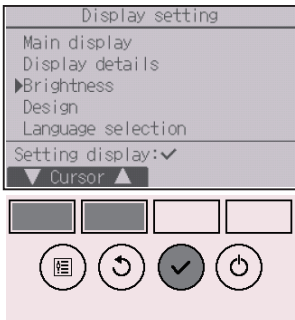
Move the cursor to "Brightness" with the F1 or F2 button, and press the SELECT button.

3

```
         Brightness
 Brightness    Lo / Mid / Hi
 Stay lit      OFF



Main menu:▤
 Low   High              ⟳
```

Adjust the brightness with the F1 or F2 button. "ON" or "OFF" can be selected for the "Stay lit" setting with the F4 button.

When "ON" is selected, the backlight will remain lit dimly even after the specified time has elapsed.

Navigating through the screens
- To go back to the Main menu .... MENU button
- To return to the previous screen ...... RETURN button

Function settings

Language selection P

Function description

The desired language can be set. The language options are English, French, German, Spanish, Italian, Portuguese, Swedish, Russian, Greek, Turkish, Dutch, Czech, Hungarian, and Polish.

Button operation

1

```
      Initial setting menu
 Basic setting
▶Display setting
 Operation setting
 Touch panel

Main menu:↺
▼ Cursor ▲
```

Select "Display setting" from the Initial setting menu, and press the SELECT button.

2

```
       Display setting
 Main display
 Display details
 Brightness
 Design
▶Language selection
Setting display:✓
▼ Cursor ▲
```
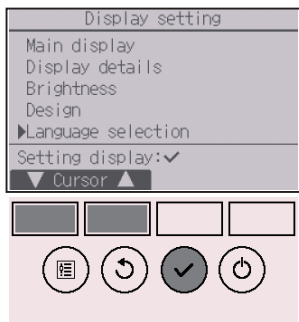
Move the cursor to "Language selection" with the F1 or F2 button, and press the SELECT button.

3

Language selection 1/2
English	Français
Español	Italiano
Português	Ελληνικά
Türkçe	Svenska

Select:✔
▼ Cursor ▲ | ◀ Cursor ▶
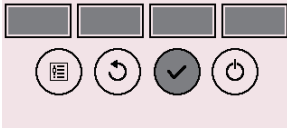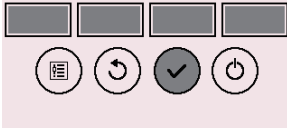
(buttons: 📖 ↺ ✔ ⏻)

Move the cursor to the language you desire with the F1 through F4 buttons, and press the SELECT button to save the setting.

When the power is on for the first time, the Language selection screen will be displayed. Select a desired language. The system will not start-up without language selection.

Language selection 2/2
Deutsch	Nederlands
Русский	Čeština
Magyar	Polski

Select:✔
▼ Cursor ▲ | ◀ Cursor ▶

(buttons: 📖 ↺ ✔ ⏻)

▼

Language selection 1/2
English	Français
Español	Italiano
Português	Ελληνικά
Türkçe	Svenska
Changes saved	

Main menu:📖

A screen will appear that indicates the setting has been saved.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen ...... RETURN button

Function settings

Design

P

Button operation

1

```
     Initial setting menu
 Basic setting
▶Display setting
 Operation setting
 Touch panel

Main menu:↺
 ▼ Cursor ▲
```

⊟ ↺ ✓ ⏻

Select "Display setting" from the Initial setting menu, and press the SELECT button.

2

```
      Display setting
 Main display
 Display details
 Brightness
▶Design
 Language selection
Setting display:✓
 ▼ Cursor ▲
```

⊟ ↺ ✓ ⏻
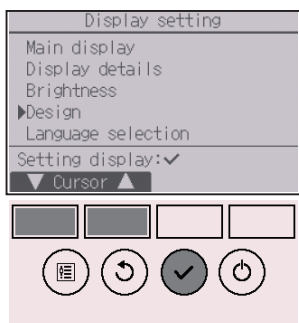
Move the cursor to "Design" with the F1 or F2 button, and press the SELECT button.

3

```
         Design
▶Color         Color
    Blue   Red   Green
     ▲    |    |      -60
 Pattern      1
 Color set to  Character
Select:✓
 ▼ Cursor ▲          ↻
```

⊟ ↺ ✓ ⏻

Select "Color" with the F4 button.

• Color: The display color can be selected. (Refer to the next page.)
• White: Monochrome display (white basis)
• Black: Monochrome display (black basis)

When "White" or "Black" is selected, press the SELECT button. When "Color" is selected, select the desired color referring to the next page.

64

4

Select the following item with the F1 or F2 button, and set the desired display color for each item.

• Color shade: Set the color shade with the F3 or F4 button. (The settable range is -90 to 89.)
• Pattern: Set the color with the F4 button.
• Color set to: Select "Character" or "BG" (Background) as a target to which the color is applied with the F4 button.

The sample color below the function buttons will change according to the setting.

Set the desired color, and press the SELECT button.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen .... RETURN button

■ Function settings

Touch panel calibration $\boxed{P}$
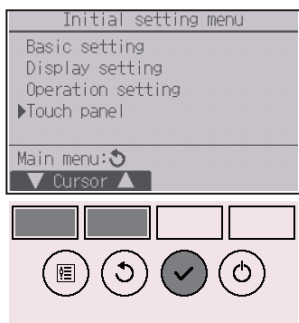
Button operation

1

```
        Initial setting menu
 Basic setting
 Display setting
 Operation setting
▶Touch panel

Main menu:↻
 ▼ Cursor ▲
```

Select "Touch panel" from the Initial setting menu, and press the SELECT button.

2

```
        Touch panel
▶Touch panel calibration
 Touch panel cleaning



Setting display:✓
 ▼ Cursor ▲
```

Move the cursor to "Touch panel calibration" with the F1 or F2 button, and press the SELECT button.

3

```
  Touch panel calibration


   Do you want to start
 calibrating the touch panel?


             Cancel   OK
```

A confirmation screen will appear.
Select "Cancel" or "OK" with the F3 or F4 button, and press the SELECT button.

4

Touch the black dots
in the order they appear
on the screen.
There will be nine of
them all together.

Touch the black dots with
a touch pen in a minute,
starting from the topleft
corner.

Touch the nine black dots in the order they appear on the screen.
When all nine black dots are touched, the calibration is complete, and the display will return to the touch panel menu.

• If the touch panel is left untouched for one minute, the calibration will be canceled and the display will automatically return to the previous screen.
• To properly calibrate the touch panel, use a pointy but not sharp object to touch the dots.
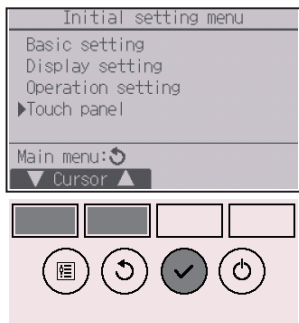 * A sharp object may damage or scratch the touch panel.
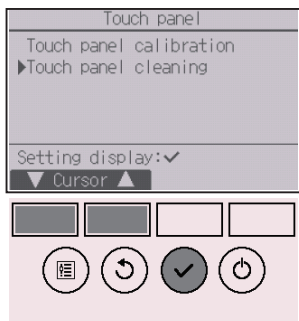
■Function settings

Touch panel cleaning P

Button operation

1

```
      Initial setting menu
 Basic setting
 Display setting
 Operation setting
▶Touch panel

Main menu:↻
 ▼ Cursor ▲
```

⊟ ↻ ✓ ⏻

Select "Touch panel" from the Initial setting menu, and press the SELECT button.

2

```
       Touch panel
 Touch panel calibration
▶Touch panel cleaning



Setting display:✓
 ▼ Cursor ▲
```

⊟ ↻ ✓ ⏻

Move the cursor to "Touch panel cleaning" with the F1 or F2 button, and press the SELECT button.

3

```
   Touch panel cleaning


    Do you want to start
  cleaning the touch panel?



              Cancel    OK
```

⊟ ↻ ✓ ⏻

A confirmation screen will appear.
Select "Cancel" or "OK" with the F3 or F4 button, and press the SELECT button.

4

Touch panel cleaning

Remaining time
30　sec

This screen allows the user to wipe the touch panel for 30 seconds without accidentally changing the settings.
The display will return to the touch panel menu after the 30 seconds.

• Wipe with a soft dry cloth, a cloth soaked in water with mild detergent, or a cloth dampened with ethanol. Do not use acidic, alkaline, or organic solvents.

Function settings

Function description

The remote controller can be initialized to the factory shipment state. Note that the following data will be initialized.
The remote controller will automatically be started up after being initialized.

Timer setting, Weekly timer setting, OU silent mode setting, Energy saving setting, Energy saving option setting, Clock setting, Daylight saving time setting, Main display setting, Brightness setting, Display details setting, Design setting, Auto mode setting, Model name setting, Serial No. setting, Dealer information setting, Error information, Administrator password, Maintenance password
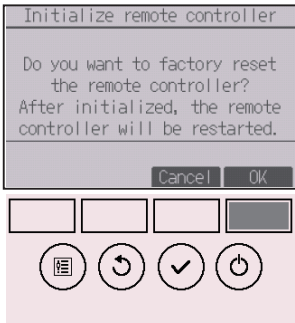
Button operation

1

```
        Service menu
  Test run
  Input maintenance info.
  Settings
  Check
 ▶Others
 Main menu:↺
  ▼ Cursor ▲
```

Select "Others" from the Service menu, and press the SELECT button.

2

```
        Other menu
  Maintenance password
 ▶Initialize remote controller
  Remote controller information

 Service menu:☰
  ▼ Cursor ▲
```

Move the cursor to "Initialize remote controller" with the F1 or F2 button, and press the SELECT button.

70

3

Initialize remote controller

Do you want to factory reset
the remote controller?
After initialized, the remote
controller will be restarted.

Cancel | OK

Select "OK" with the F4 button.

Initialize remote controller

Initializing...
After initialized, the remote
controller will be restarted.
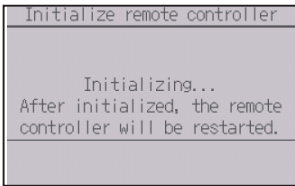
The remote controller will automatically be started up after being initialized.

Function settings

Remote controller information

Function description

The information of the remote controller in use can be checked.

Button operation

1

```
        Service menu
 Test run
 Input maintenance info.
 Settings
 Check
▶Others
Main menu:↺
  ▼ Cursor ▲
```

Select "Others" from the Service menu, and press the SELECT button.

2

```
        Other menu
 Maintenance password
 Initialize remote controller
▶Remote controller information

Service menu:▤
  ▼ Cursor ▲
```

Move the cursor to "Remote controller information" with the F1 or F2 button, and press the SELECT button.

72

3

```
Remote controller information
Model name
S/W Ver      00.10
Serial No.


Return: ↺
```
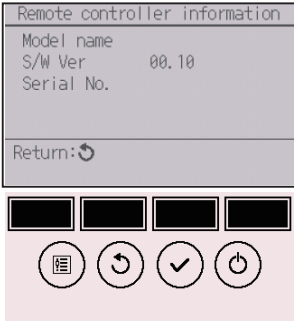
The model name, software version, and serial number of the remote controller in use can be checked.
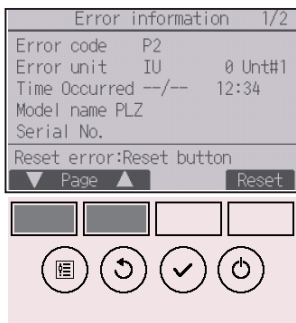
■Troubleshooting

Error information

**When an error occurs, the following screen will appear and the operation LED will
blink. Check the error status, stop the operation, and consult your dealer.**

Button operation
....

1

```
     Error information   1/2
Error code    P2
Error unit    IU       0 Unt#1
Time Occurred --/--    12:34
Model name PLZ
Serial No.
Reset error:Reset button
  ▼  Page  ▲           Reset
```
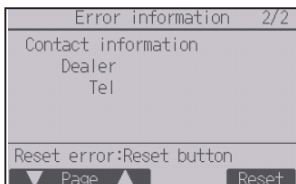
Error code, error unit, refrigerant address, unit model
name, date and time on which an error occurred, and
serial number will appear.
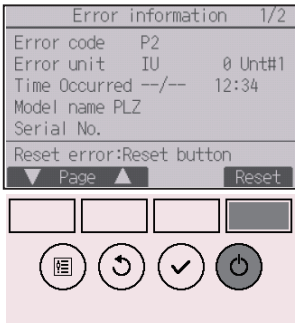The model name and serial number will appear only if
the information have been registered.

Press the F1 or F2 button to go to the next page.

```
     Error information   2/2
   Contact information
      Dealer
        Tel


Reset error:Reset button
  ▼  Page  ▲           Reset
```

Contact information (dealer's phone number) will
appear if the information have been registered.

2

Error information   1/2

Error code   P2
Error unit   IU   0 Unt#1
Time Occurred --/--   12:34
Model name PLZ
Serial No.
Reset error:Reset button
▼ Page ▲   Reset
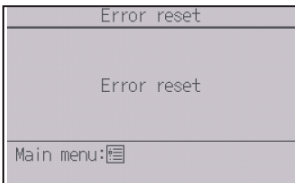
Press the F4 button or the ON/OFF button to reset the error that is occurring.

> **Errors cannot be reset while the ON/OFF operation is prohibited.**
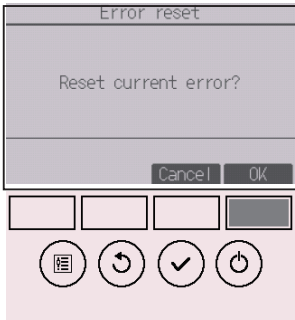
Error reset

Reset current error?

Cancel   OK

Select "OK" with the F4 button.

Error reset

Error reset

Main menu:▤

A confirmation screen will appear.

> **Navigating through the screens**
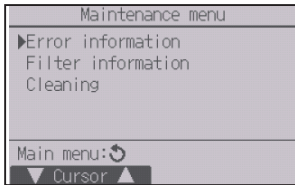> • To go back to the Main menu .... MENU button

■ Troubleshooting

Checking the error information
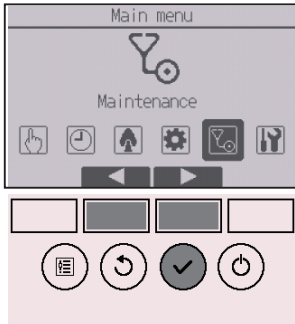
While no errors are occurring, page 2/2 of the error information (refer to page 74) can be viewed from the menu operation.
Select "Maintenance" menu from the Main menu, and press the SELECT button.

To display the error information screen, select "Error information" from the Maintenance menu.
Errors cannot be reset.

No occupancy Auto-OFF

The following screen will appear for the 3D i-See sensor panel model when the unit is stopped due to the No occupancy Auto-OFF function of the energy saving option. Refer to the indoor unit Instruction Book for the 3D i-See sensor setting.

PM 2:30Fri

Shut down by
No Occupancy
Auto-OFF

31/Dec PM12:59
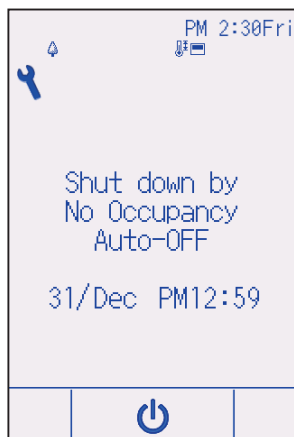
■ Maintenance

Filter information
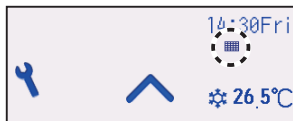
▓▓▓ will appear on the Status display and the Main display in the Full mode when it is time to clean the filters.

Wash, clean, or replace the filters when this sign appears.
Refer to the indoor unit Instructions Manual for details.

Button operation

1

```
        Maintenance menu
 Error information
▶Filter information
 Cleaning

Main menu:↺
▼ Cursor ▲
```
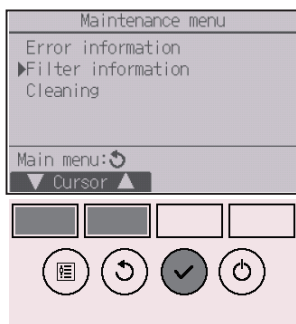
Select "Filter information" from the Maintenance menu, and press the SELECT button.

2

```
      Filter information

 Press Reset button after
    filter cleaning.

Main menu:▤
                 Reset
```

Press the F4 button to reset filter sign.
Refer to the indoor unit Instructions Manual for how to clean the filter.

3

Filter information

Reset filter sign?

Cancel | OK

Select "OK" with the F4 button.

Filter information

Filter sign reset

Main menu:▤

A confirmation screen will appear.

Navigating through the screens
• To go back to the Main menu .... MENU button
• To return to the previous screen ...... RETURN button

14:30Fri

❄ 26.5℃

When the ▤ is displayed on the Status display and the Main display in the Full mode, the system is centrally controlled and the filter sign cannot be reset.

If two or more indoor units are connected, filter cleaning timing for each unit may be different, depending on the filter type.
The icon ▤ will appear when the filter on the main unit is due for cleaning.
When the filter sign is reset, the cumulative operation time of all units will be reset.

The icon ▤ is scheduled to appear after a certain duration of operation, based on the premise that the indoor units are installed in a space with ordinary air quality. Depending on the air quality, the filter may require more frequent cleaning.

The cumulative time at which filter needs cleaning depends on the model.

Specifications

Controller specifications

	Specification
Product size	Standard (PAR-CT01MAA(R)-SB/PAR-CT01MAA-S): 65(W) × 120(H) × 14.1(D) mm (2 9/16 × 4 23/32 × 9/16 [in]) (not including the protruding part)
	Premium (PAR-CT01MAA(R)-PB): 68(W) × 120(H) × 14.1(D) mm (2 11/16 × 4 23/32 × 9/16 [in]) (not including the protruding part)
Net weight	Standard (PAR-CT01MAA(R)-SB/PAR-CT01MAA-S): 0.09 kg (13/64 lbs)
	Premium (PAR-CT01MAA(R)-PB): 0.10 kg (7/32 lbs)
Rated power supply voltage	12 VDC (supplied from indoor units)
Power consumption	0.6 W
Usage environment	Temperature 0 ~ 40ºC (32 ~ 104ºF) Humidity 25 ~ 90%RH (with no dew condensation)
Material	Standard (PAR-CT01MAA(R)-SB/PAR-CT01MAA-S) Main body: ABS
	Premium (PAR-CT01MAA(R)-PB) Main body: ABS Side plate: Aluminum

Function list (as of October 1, 2017)

○ : Supported   × : Unsupported

	Function	CITY MULTI	Mr. SLIM	Required password
Power	Power ON/OFF	○	○	-
Settings	Operation mode	○	○	-
	Auto (dual set point) mode	○	○	-
	Preset temperature	○	○	-
	Fan speed	○	○	-
	Vane	○	○	-
	Louver	○	○	-
	Ventilation	○	○	-
Operation menu	High power	×	○	-
	Manual vane angle	○	○	-
	3D i-See sensor	○	○	-
Timer menu	Timer (On/Off timer)	○	○	administrator
	Timer (Auto-Off timer)	○	○	administrator
	Weekly timer	○	○	administrator
	OU silent mode	○	○	administrator
	Night setback	○	○	administrator
Energy saving menu	Temperature range restriction	○	○	administrator
	Operation lock function	○	○	administrator
	Auto return	○	○	administrator
	Schedule	×	○	administrator
Initial setting menu	Clock	○	○	administrator
	Clock display format setting	○	○	administrator
	Daylight saving time	○	○	administrator
	Main display	○	○	administrator
	Icon explanation	○	○	administrator
	Brightness	○	○	administrator
	Language selection	○	○	administrator
	Design	○	○	administrator
	Touch panel calibration	○	○	administrator
	Touch panel cleaning	○	○	administrator
	Password (Administrator)	○	○	administrator
Service menu	Initialize remote controller	○	○	maintenance
	Remote controller information	○	○	maintenance
	Test run	○	○	maintenance
	Model information input	○	○	maintenance
	Dealer information input	○	○	maintenance
	Function setting	○	○	maintenance
	Smooth maintenance	×	○	maintenance
	Password (Maintenance)	○	○	maintenance
Maintenance menu	Auto descending panel	○	○	-
	Error information	○	○	-
	Filter information	○	○	-

* The supported functions vary depending on the unit model.

Specifications

List of functions that can/cannot be used in combination

	High power	On/Off timer	Auto-off timer	Weekly timer	OU silent mode	Temperature range	Operation lock	Auto return	Energy saving schedule	Night setback
High power		O	O	O	△1	O	△2	O	△1	O
On/Off timer	O		O	×1	O	O	O	O	O	△3
Auto-off timer	O	O		O	O	O	O	O	O	△4
Weekly timer	O	×1	O		O	O	O	O	O	△5
OU silent mode	△1	O	O	O		O	O	O	O	O
Temperature range	O	O	O	O	O		O	×2	O	△6
Operation lock	△2	O	O	O	O	O		O	O	O
Auto return	O	O	O	O	O	×2	O		O	△7
Energy saving schedule	△1	O	O	O	O	O	O	O		O
Night setback	O	△3	△4	△5	O	△6	O	△7	O	

O : Can be used in combination   × : Cannot be used in combination   △ : Restricted

△ 1: This function is enabled after completing the high power operation because the high power operation has the higher priority.

△ 2: This function cannot be operated if some operation is locked.

△ 3: Night setback function cannot be used when the unit is in operation by On/Off timer setting.

△ 4: Auto-off function cannot be used for Night setback operation.

△ 5: Night setback function cannot be used when the unit is in operation by Weekly timer setting.

△ 6: Temperature range setting cannot be used for Night setback operation.

△ 7: Auto return function cannot be used for Night setback operation.

× 1: Weekly timer setting is not effective because On/Off timer has the higher priority.

× 2: Auto return function cannot be used because Temperature range setting has the higher priority.

PAR-CT01MAA-PB(SB)
PAR-CT01MAR-PB(SB)
   This product is designed and intended for use in the residential,
   commercial, and light-industrial environment.

   The product at hand is based on the following EU regulations:
   • RE Directive 2014/53/EU

PAR-CT01MAA-S
   This product is designed and intended for use in the residential,
   commercial, and light-industrial environment.

   The product at hand is based on the following EU regulations:
   • Electromagnetic Compatibility Directive 2014/30/EU

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