

CITY MULTI Control System  
and Mitsubishi Mr. SLIM Air Conditioners

## **MA Touch Remote Controller**

**PAR-CT01MAA-PB**

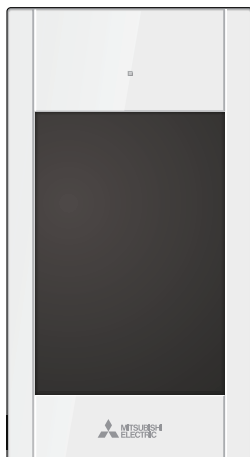
**PAR-CT01MAA-SB**

**PAR-CT01MAA-S**

**PAR-CT01MAR-PB**

**PAR-CT01MAR-SB**

## **Instruction Book**



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 Simple 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.....   | 4  |
| Controller components .....   | 6  |
| Controller interface - Status display/Main display.....   | 6  |
| Controller interface - Menu screen .....  | 8  |
| Display - Status display/Main display .....   | 10 |
| Menu structure and symbols .....  | 12 |
| Menu structure .....  | 12 |
| Symbol explanations.....  | 15 |
| Basic operations .....  | 16 |
| Power ON/OFF .....  | 16 |
| Operation mode, temperature, fan speed, vane, louver,<br>and ventilation (Lossnay) settings ..... | 17 |
| Navigating through the menu .....   | 23 |
| Main menu list.....   | 23 |
| Navigating through the Main menu .....  | 25 |
| Function settings .....   | 26 |
| High power.....   | 26 |
| Manual vane angle .....   | 27 |
| Timer (On/Off timer).....   | 30 |
| Timer (Auto-Off timer) .....  | 33 |
| Weekly timer .....  | 35 |
| OU silent mode .....  | 38 |
| Night setback .....   | 41 |
| Restriction .....   | 44 |
| Energy saving .....   | 50 |
| Clock.....  | 55 |
| Daylight saving time.....   | 57 |
| Main display.....   | 59 |
| Icon explanation.....   | 60 |
| Brightness.....   | 62 |
| Design.....   | 63 |
| Language selection.....   | 65 |
| Touch panel calibration .....   | 67 |
| Touch panel cleaning .....  | 69 |
| Initialize remote controller.....   | 71 |
| Remote controller information.....  | 73 |
| Troubleshooting.....  | 75 |
| Error information .....   | 75 |
| No occupancy Auto-OFF .....   | 78 |
| Maintenance .....   | 79 |
| Filter information .....  | 79 |
| Specifications .....  | 81 |
| Controller specifications.....  | 81 |
| Function list (as of December 1, 2020).....   | 82 |
| List of functions that can/cannot be used in combination .....                                    | 83 |

# Safety precautions

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

|   |  |
|---|--|
|  <b>WARNING</b> | Indicates a risk of death or serious injury.             |
|  <b>CAUTION</b> | 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 injury or electric shock, before spraying a chemical around the controller, stop the operation and cover the controller.

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

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.

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.

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.

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 environmental pollution, consult an authorized agency for proper disposal of remote 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 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 mild detergent that is diluted with an appropriate amount of water, and wipe down with a wet cloth followed by a dry cloth. Do not use the detergent straight.

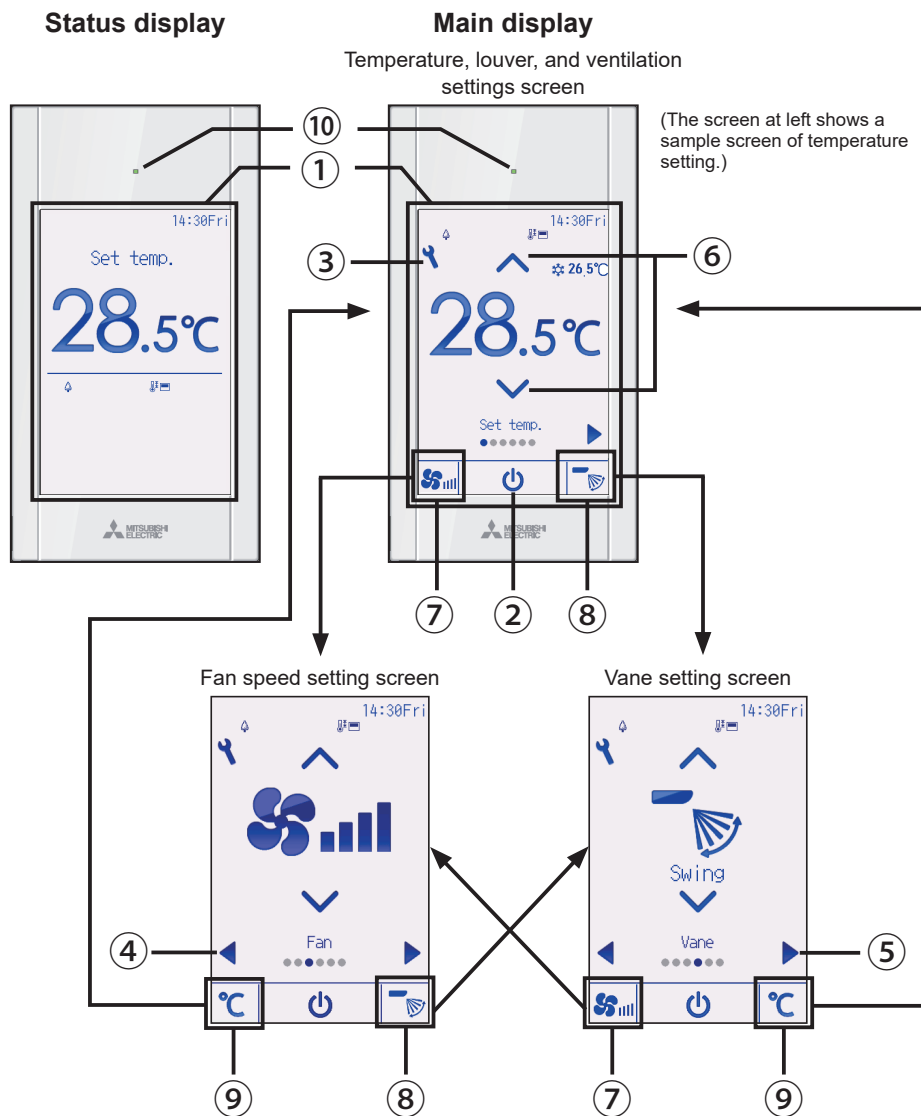
To avoid damage to the controller, provide protection against static electricity.

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



## 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 button

Press to turn ON/OFF the indoor unit.

## ③ 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 Temperature shortcut button

Press to directly access the temperature settings screen. The temperature will be displayed in °C (Centigrade) or °F (Fahrenheit), according to the temperature unit setting.

## ⑩ 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.

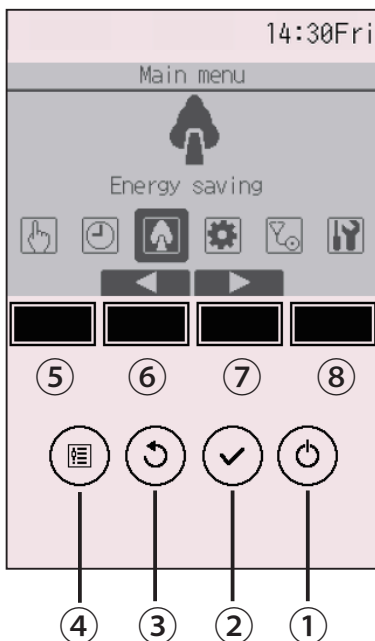
When the setting item is switched with the ④ or ⑤ button, if the operation of the selected setting item is locked, the item will not be displayed.

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.

# Controller components

## Controller interface - Menu screen





### 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

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.

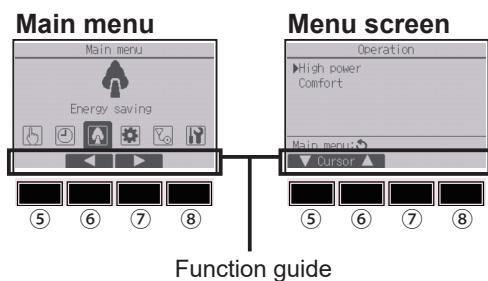
### ⑦ **Function** button **F3**

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.**



# Controller components

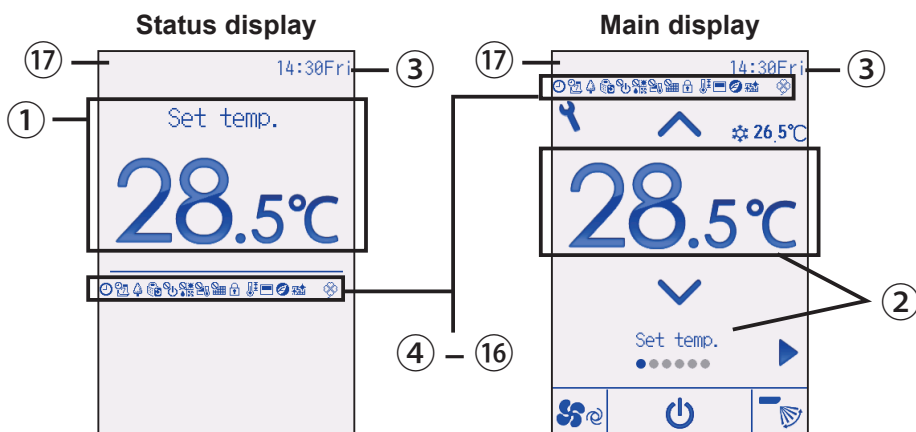
## Display - Status display/Main display

The Status display and Main display can be displayed in two different modes: “Full” and “Basic.”

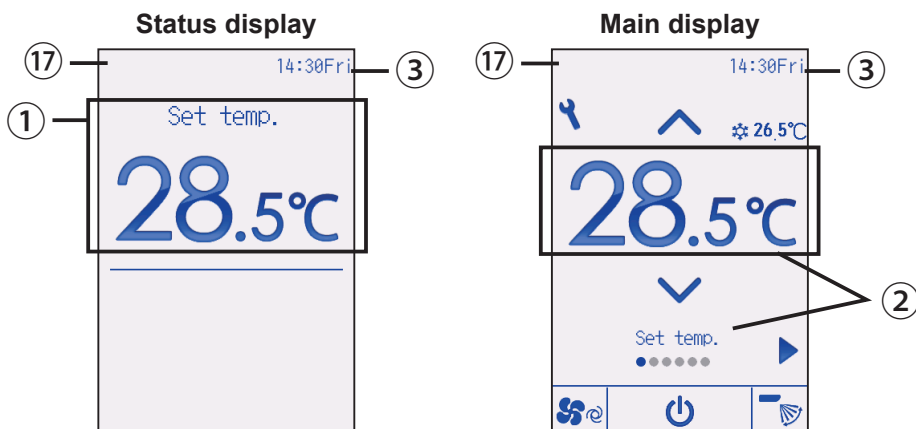
The factory setting is “Full.” For how to switch the mode, refer to page 59.

### Full mode

\* All icons are displayed for explanation.



### Basic mode



## 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 30, 33, 41

Appears when the On/Off timer (Page 30), Night setback (Page 41), or Auto-off timer (Page 33) function is enabled.

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

## ⑤ Page 35

Appears when the Weekly timer is enabled.

## ⑥ Page 52

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

## ⑦ Page 38

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 47


Appears when the buttons are locked.

## ⑬ Page 44

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 79

Indicates when filter needs maintenance.

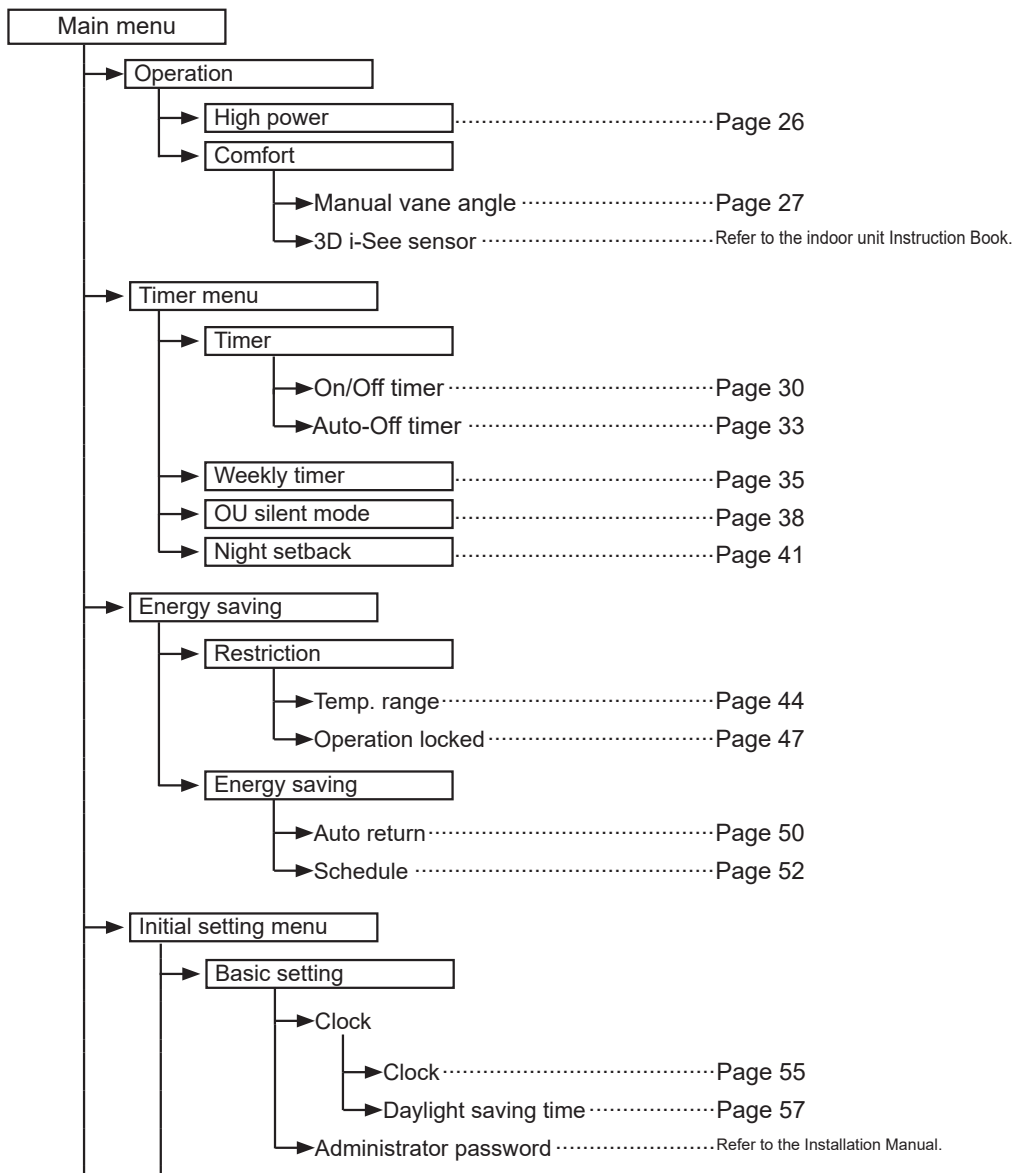
## ⑰ Error display

An error code appears during the error.

\* When an error code is displayed on the main display, an error is occurring but the indoor unit can keep its operation. If an error occurs, note the error code and consult your dealer.

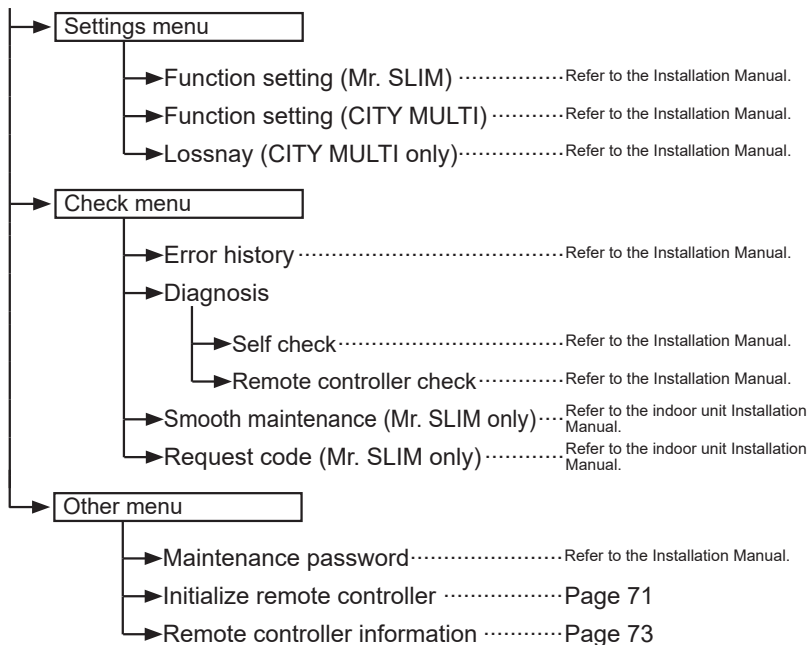
# Menu structure and symbols

## Menu structure



|   |                                     |  |
|---|-------------------------------------|--|
| → | Display setting                     |  |
|   | → Main display .....                | Page 59  |
|   | → Display details .....             | Refer to the Installation Manual.  |
|   | → Brightness .....                  | Page 62  |
|   | → Design .....                      | Page 63  |
|   | → Language selection .....          | Page 65  |
| → | Operation setting                   |  |
|   | → Auto mode .....                   | Refer to the Installation Manual.  |
| → | Touch panel                         | Page 67  |
| → | Maintenance menu                    |  |
|   | → Error information .....           | Page 75  |
|   | → Filter information .....          | Page 79  |
|   | → Cleaning                          |  |
|   | → Auto descending panel .....       | Refer to the Instructions Manual that came with the automatic elevating panel. |
|   | → Descending operation .....        | Refer to the Instructions Manual that came with the automatic elevating panel. |
|   | → Descending adjustment .....       | Refer to the Instructions Manual that came with the automatic elevating panel. |
| → | Service menu                        |  |
|   | → Test run menu                     |  |
|   | → Test run .....                    | Refer to the indoor unit Installation Manual.                                  |
|   | → Drain pump test run .....         | Refer to the indoor unit Installation Manual.                                  |
|   | → Input maintenance info. ....      | Refer to the indoor unit Installation Manual.                                  |
|   | → Model name input .....            | Refer to the indoor unit Installation Manual.                                  |
|   | → Serial No. input .....            | Refer to the indoor unit Installation Manual.                                  |
|   | → Dealer information input .....    | Refer to the indoor unit Installation Manual.                                  |
|   | → Initialize maintenance info. .... | Refer to the indoor unit Installation Manual.                                  |

# Menu structure and symbols



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


Symbol explanations

Controller operation

Timer



The table below summarizes the square symbols 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.</p> <div></div> <p>F1    F2    F3    F4</p> <p>F1 : Press to move the cursor left.<br/>F2 : Press to move the cursor right.<br/>F3 : Press to decrease the value by 1.<br/>F4 : Press to increase the value by 1.</p> <p>* Changes cannot be made unless the correct password is entered.</p> |
|  | Indicates settings that can be changed only while the units are in operation.  |
|  | 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

## Power ON/OFF



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” (refer to the Installation Manual), 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.

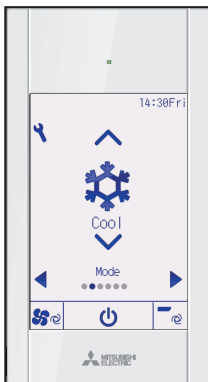


## Operation mode, temperature, fan speed, vane, louver, and ventilation (Lossnay) settings



### 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.

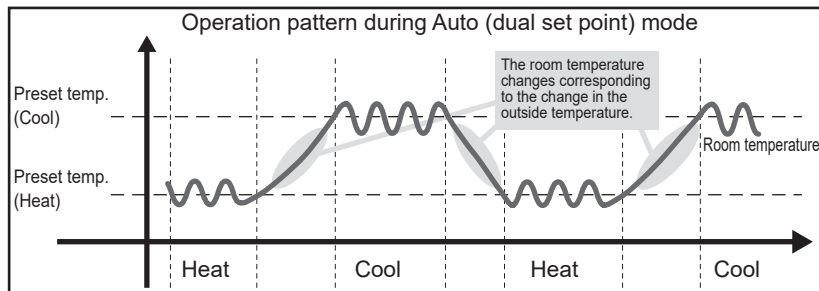
### What the blinking mode icon means

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.



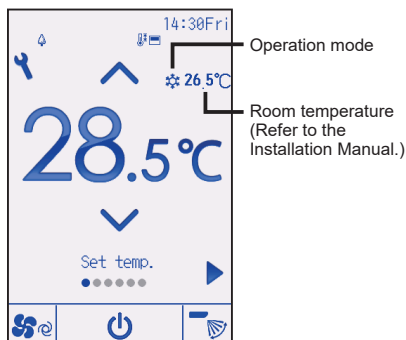
# Basic operations

## Preset temperature

[1] When the relative temperature display is disabled

\* The relative temperature display function is available on Ver. 7.00 or later.

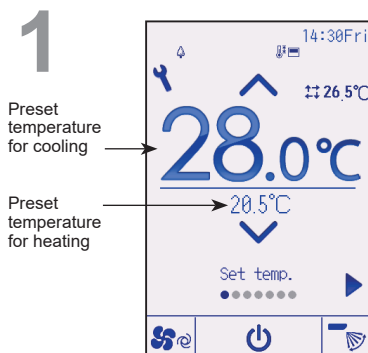
<Cool, Dry, Heat, and Auto (single set point)>



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>

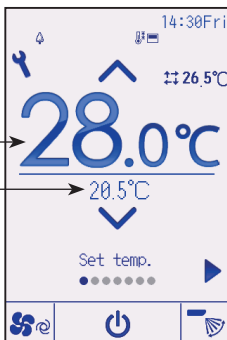




The current preset temperatures will appear. Each pressing of the ◀ or ▶ button switches the preset temperatures for cooling and heating.

# 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°C (67 – 87°F)  |
| Heat                    | 17 – 28°C (63 – 83°F)  |
| Auto (Single set point) | 19 – 28°C (67 – 83°F)  |
| Auto (Dual set points)  | [Cool]<br>Preset temperature range for the Cool mode<br>[Heat]<br>Preset temperature range for the Heat mode |
| Fan/Ventilation         | Not settable   |

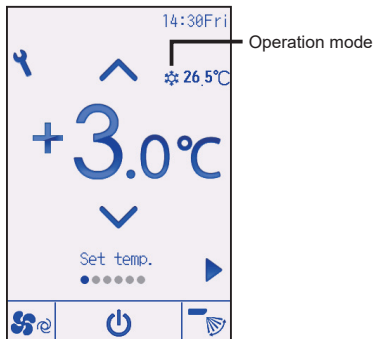
**The settable temperature range varies with the model of indoor units.**



# Basic operations

[2] When the relative temperature display is enabled

\* The relative temperature display function is available on Ver. 7.00 or later.

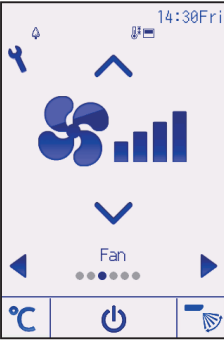
<Cool, Dry, Heat, and Auto (single set point)>



Press the  button to decrease the preset temperature, and press the  button to increase.

- The preset temperature range is determined based on the temperature range set on the relative temperature display setting screen.  
On some models, the settable temperature range may be narrower than the range that is set on the relative temperature display setting screen.
- When the operation mode is set to Auto (dual set points), Fan, or Ventilation, the relative temperature display setting cannot be enabled.
- The preset temperature is displayed in units of 0.5°C or 1°C, depending on the model of the indoor unit and the remote controller display setting.
- This screen is displayed only when the display unit of the temperature is set to Centigrade.
- When the operation mode is changed with this remote controller, the preset temperature is reset to  $\pm 0.0^{\circ}\text{C}$ .

# Fan speed

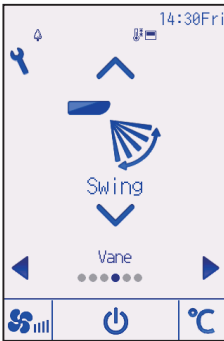


Each pressing of the or button cycles through the following fan speeds.



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

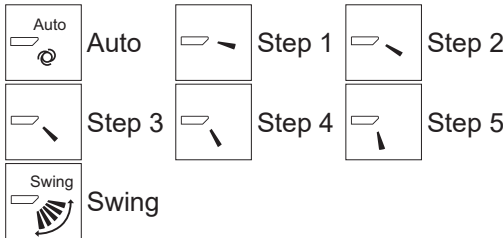
# Vane setting



(Sample screen on CITY MULTI)

Each pressing of the or button cycles through the following vane settings.

Select the desired setting.



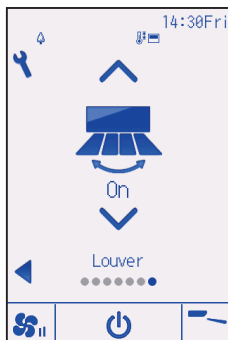
Select “Swing” to move the vanes up and down automatically.

When set to “Step 1” through “Step 5”, the vane will be fixed at the selected angle.

- 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.

# Basic operations

## Louver setting



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



Off

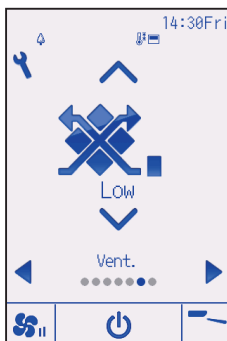


On

(Sample screen on CITY MULTI)

## Ventilation setting

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



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

\* Settable only when Lossnay unit is connected.



Off



Low



High

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

(Sample screen on Mr. SLIM)

# 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.<br>• Units can be operated in the High-power mode for up to 30 minutes.   | 26   |
|               | Comfort        | Manual vane angle | Use to fix each vane angle.  | 27   |
| Timer         | Timer          | On/Off timer      | Use to set the operation On/Off times.<br>• Time can be set in 5-minute increments.<br>* Clock setting is required.  | 30   |
|               |                | Auto-Off timer    | Use to set the Auto-Off time.<br>• Time can be set to a value from 30 to 240 in 10-minute increments.  | 33   |
|               | Weekly timer   |                   | Use to set the weekly operation On/Off times.<br>• Up to eight operation patterns can be set for each day.<br>• Two types of weekly schedules can be set.<br>* Clock setting is required.<br>* Not valid when the On/Off timer is enabled.<br>* 1°C increments   | 35   |
|               | 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.<br>• Select the desired silent level from "Normal," "Middle," and "Quiet."<br>* Clock setting is required.                                 | 38   |
|               | Night setback  |                   | Use to make Night setback settings.<br>• Select "Yes" to enable the setting, and "No" to disable the setting. The temperature range and the start/stop times can be set.<br>* Clock setting is required.<br>* 1°C increments   | 41   |
| Energy saving | Restriction    | Temp. range       | Use to restrict the preset temperature range.<br>• Different temperature ranges can be set for different operation modes.<br>* 1°C increments  | 44   |
|               |                | Operation locked  | Use to lock selected functions.<br>• The locked functions cannot be operated.<br>• Select "Show" to display the setting button, and "Hide" not to display the setting button.  | 47   |
|               | 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.<br>• Time can be set to a value from 30 and 120 in 10-minute increments.<br>* This function will not be valid when the preset temperature ranges are restricted.<br>* 1°C increments | 50   |

# Navigating through the menu

| Main menu       | Setting items                 |                         | Setting details  | Page |
|-----------------|-------------------------------|-------------------------|--|------|
| Energy saving   | Energy saving                 | Schedule                | <b>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.</b> <ul style="list-style-type: none"> <li>Up to four energy-save operation patterns can be set for each day.</li> <li>Time can be set in 5-minute increments.</li> <li>Energy-saving rate can be set to a value from 0% and 50 to 90% in 10% increments.</li> </ul> * Clock setting is required. | 52   |
|                 |                               |                         |  |      |
| Initial setting | Basic setting                 | Clock                   | <b>Use to set the current time.</b>  | 55   |
|                 |                               | Daylight saving time    | <b>Sets the daylight saving time.</b>  | 57   |
|                 | Display setting               | Main display            | <b>Use to switch between "Full" and "Basic" modes for the Status display and the Main display.</b> <ul style="list-style-type: none"> <li>The default setting is "Full."</li> </ul>  | 59   |
|                 |                               | Icon explanation        | <b>Use to display or hide icon description on the Main display.</b>  | 60   |
|                 |                               | Brightness              | <b>Use to adjust screen brightness.</b>  | 62   |
|                 |                               | Design                  | <b>Use to change the color of the Status display and Main display.</b>   | 63   |
|                 |                               | Language selection      | <b>Use to select the desired language.</b>   | 65   |
|                 | Touch panel                   | Touch panel calibration | <b>Sets the calibration settings for the touch panel.</b>  | 67   |
|                 |                               | Touch panel cleaning    | <b>Temporarily makes the touch panel unresponsive to touch to allow for cleaning.</b>  | 69   |
| Service         | Initialize remote controller  |                         | <b>Use to initialize the remote controller to the factory shipment status.</b>   | 71   |
|                 | Remote controller information |                         | <b>Use to display the remote controller model name, software version, and serial number.</b>   | 73   |
| Maintenance     | Error information             |                         | <b>Use to check error information when an error occurs.</b> <ul style="list-style-type: none"> <li>Error code, error source, refrigerant address, unit model, manufacturing number, contact information (dealer's phone number) can be displayed.</li> </ul> * The unit model, manufacturing number, and contact information need to be registered in advance to be displayed.   | 75   |
|                 | Filter information            |                         | <b>Use to check the filter status.</b> <ul style="list-style-type: none"> <li>The filter sign can be reset.</li> </ul>   | 79   |



## Navigating through the Main menu

Button operation

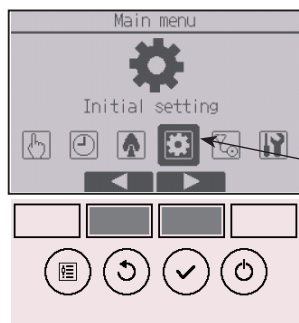
### Accessing the Main menu



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



### 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

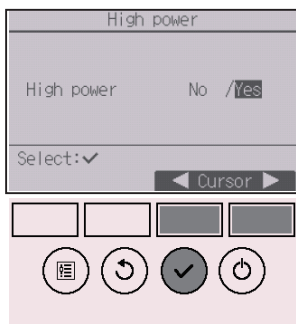
1



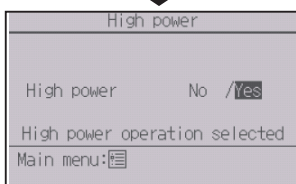
Select “High power” from the Operation menu during Cooling, Heating, or Auto operation, and press the **SELECT** button.

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

2



Move the cursor to “Yes” with the **F3** or **F4** button, and press the **SELECT** button.



A confirmation screen will appear.

#### Navigating through the screens

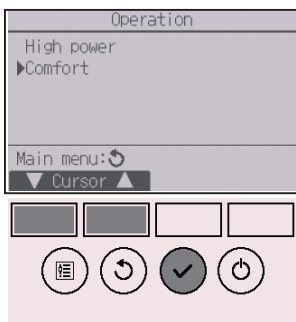
- To go back to the Main menu ..... **MENU** button
- To return to the previous screen ..... **RETURN** button

# Manual vane angle

OFF

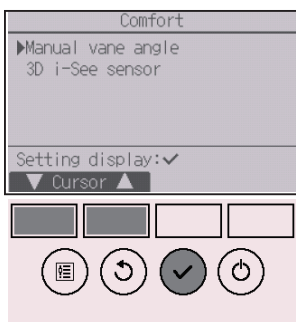
## Button operation

1



Select “Comfort” from the Operation menu, and press the **SELECT** button.

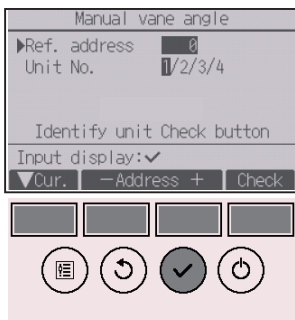
2



Select “Manual vane angle” with the **F1** or **F2** button, and press the **SELECT** button.

# Function settings

3



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.

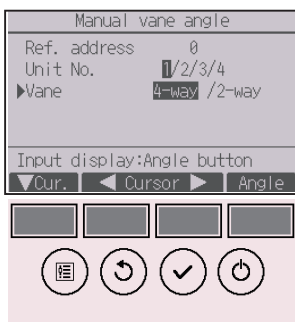
- Ref. address: Refrigerant address

- 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.

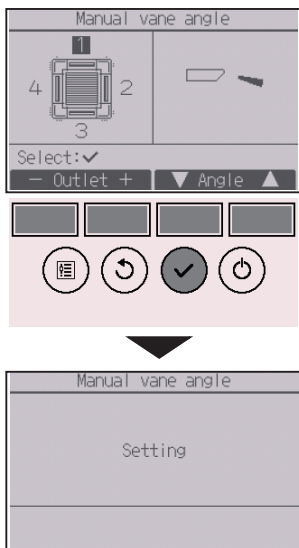
4



Select "Vane" with the **[F1]** button.

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

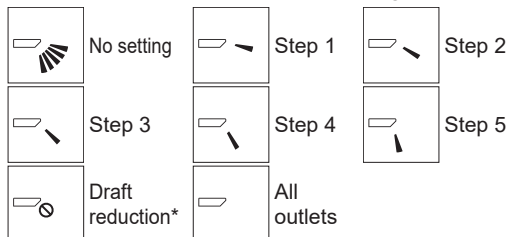
# 5



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.



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.

# Function settings

## Timer (On/Off timer)



### Button operation

1



Select “Timer” from the Main menu (refer to page 25), and press the **SELECT** button.

**The On/Off timer will not work in the following cases:**

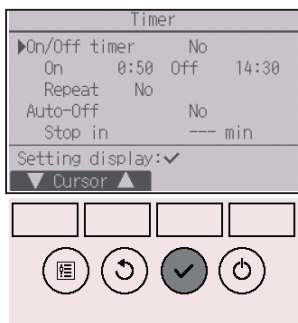
when On/Off timer is disabled, during an error, during check (in the service menu), during test run, during remote controller diagnosis, when the clock is not set, during function setting, when the system is centrally controlled (when On/Off operation or timer operation from local remote controller is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

2



Move the cursor to “Timer,” and press the **SELECT** button.

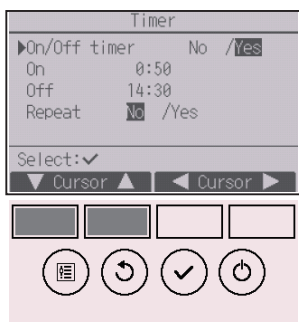
3



The current settings will appear.

Move the cursor to “On/Off timer,” and press the **SELECT** button.

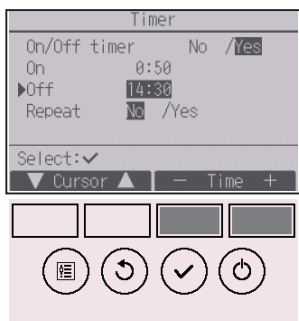
# 4



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

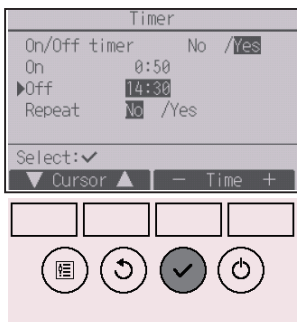


Change the setting with the **[F3]** or **[F4]** button.

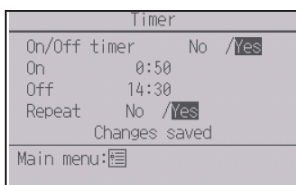
- On/Off timer: No (disable)/Yes (enable)
- On: Operation start time  
(settable in 5-minute increments)  
\* Press and hold the button to rapidly advance the numbers.
- Off: Operation stop time  
(settable in 5-minute increments)  
\* Press and hold the button to rapidly advance the numbers.
- Repeat: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

# Function settings

6



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 On/Off timer is enabled.

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

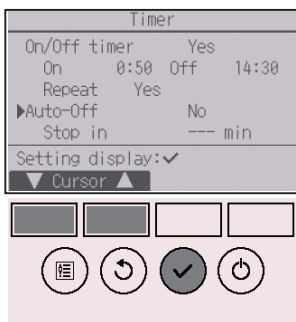


# Timer (Auto-Off timer)

P

## Button operation

1



Bring up the Timer setting screen.  
(Refer to page 30.)

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



The current settings will appear.

Move the cursor to “Auto-Off” or “Stop in --- min” with the **[F1]** or **[F2]** button.

3



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.)

# Function settings

4



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 Auto-Off timer is enabled.

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

# Weekly timer



## Button operation

1

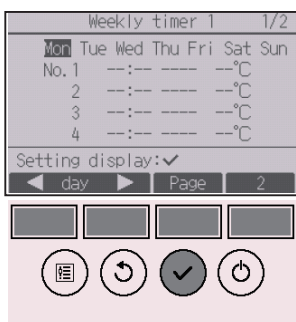


Select “Weekly timer” from the Timer menu, and press the **[SELECT]** button.

### 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



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.

# Function settings

3

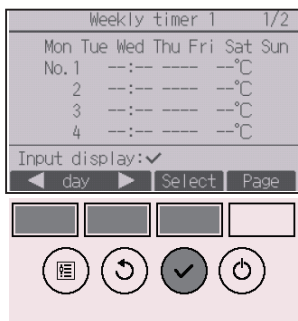


The weekly timer settings screen will appear.

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



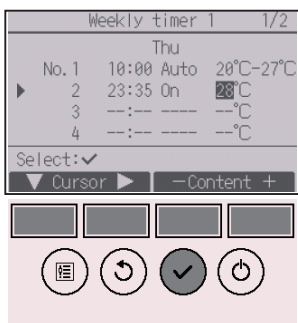
The weekly timer setting screen will appear and the current settings will be displayed.

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.

5



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°C 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



 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).

# Function settings

## OU silent mode



### 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

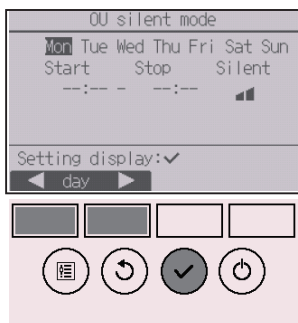
1



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

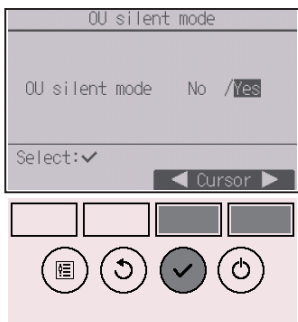


The current settings will appear.

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.

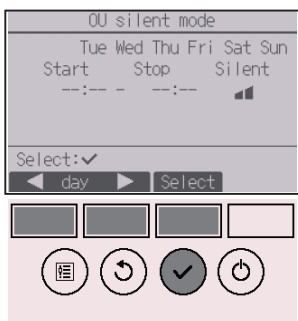
# 3



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

To enable this setting, move the cursor to “Yes” with the **[F3]** or **[F4]** button, and press the **[SELECT]** button .

# 4



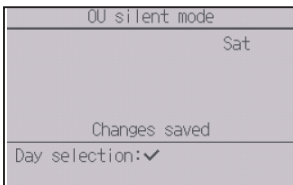
The OU silent mode setting screen will appear.

To make or change the setting, move the cursor to the desired day of the week with the **[F1]** or **[F2]** button, and press the **[F3]** button to select it. (Multiple days can be selected.)

Press the **[SELECT]** button.

# Function settings

5



The setting screen will appear.

Move the cursor to the desired item with the **[F1]** or **[F2]** button out of Start time, Stop time, or Silent level.

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.
- Silent level: Normal, Middle, Quiet



Normal



Middle




Quiet

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



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



# Night setback



## 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



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

2

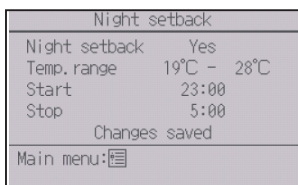


The current settings will appear.

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

# Function settings

3



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 4°C (8°F) or more. The settable temperature range varies depending on the connected indoor units.
  - \* 1°C 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



 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).

# Function settings

## Restriction

P

### Setting the temperature range restriction

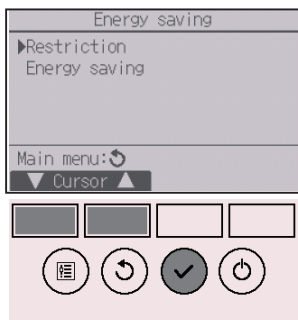
#### Button operation

1



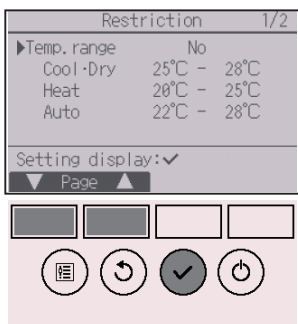
Select "Energy saving" from the Main menu (refer to page 25), and press the **SELECT** button.

2



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

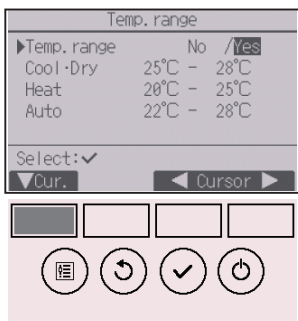
# 3



The current settings will appear.

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

# 4

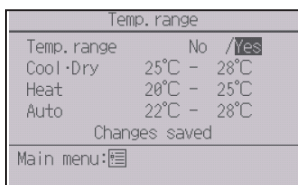
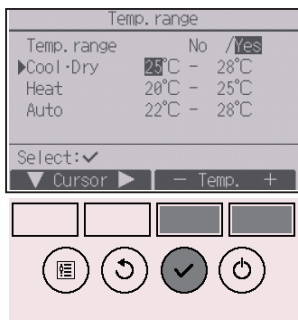


The screen to set the temperature range will appear.

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

# Function settings

5



Change the settings with the **[F3]** or **[F4]** button.

- Temp. range: No (unrestricted) or Yes (restricted)
- Cool•Dry: Upper and lower limit temperature (1°C increments)
- Heat: Upper and lower limit temperature (1°C increments)
- Auto: Upper and lower limit temperature (1°C increments)

Temperature setting ranges

| Mode     |    | Lower limit | Upper limit |
|----------|----|-------------|-------------|
| Cool•Dry | *1 | 19 – 30°C   | 30 – 19°C   |
|          | *3 | (67 – 87°F) | (87 – 67°F) |
| Heat     | *2 | 17 – 28°C   | 28 – 17°C   |
|          | *3 | (63 – 83°F) | (83 – 63°F) |
| Auto     | *4 | 19 – 28°C   | 28 – 19°C   |
|          |    | (67 – 83°F) | (83 – 67°F) |

\* 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  $\geq$  Minimum temperature difference (varies with indoor unit model)
- Lower limit for cooling - lower limit for heating  $\geq$  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.

# Restriction

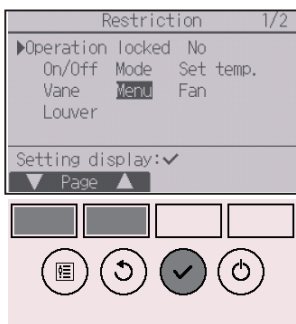
P

## Operation lock function

### Button operation

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

1

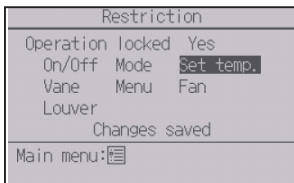


Bring up the Restriction setting screen. (Refer to page 44.)

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

# Function settings

2



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.

| Item                           | Setting                        |
|--------------------------------|--------------------------------|
| Operation locked               | "No" (disable)"/"Yes" (enable) |
| Location                       | "Individual"/"Hotel"           |
| On/Off:                        | "-"/"Locked"                   |
| On/Off operation               |                                |
| Mode:                          |                                |
| Operation mode setting         |                                |
| Set temp.:                     |                                |
| Preset temp. setting           |                                |
| Vane:                          |                                |
| Vane setting                   |                                |
| Fan:                           |                                |
| Fan speed setting              |                                |
| Louver:                        |                                |
| Louver setting                 |                                |
| Menu:                          |                                |
| Menu setting                   |                                |
| Setting btn:                   | "Show"/"Hide"                  |
| Setting button display setting |                                |

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



Only when “Locked” is selected for the “Menu” setting, the Setting button display setting is selectable from “Show” and “Hide.”


When the “Menu” setting is changed from “Locked” to “-,” the Setting button display setting will be “Show.”

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

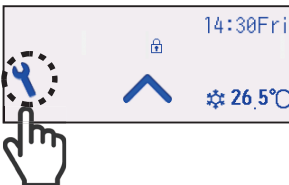
#### Navigating through the screens

- To go back to the Main menu ..... **[MENU]** button
- To return to the previous screen ..... **[RETURN]** button




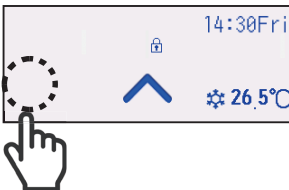
 will appear on the Main display in the Full mode when the operation lock function setting is enabled.

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



To display the main menu, press and hold the area where circled in the figure at left\* for ten seconds or longer, and enter the administrator's password on the screen that appears.

\* The Setting button  is displayed when “Setting btn” under the Restriction setting is set to “Show,” and nothing will appear when it is set to “Hide.”



# Function settings

## Energy saving

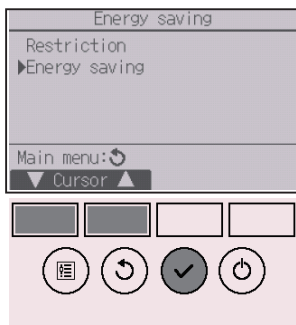


### Automatic return to the preset temperature

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.

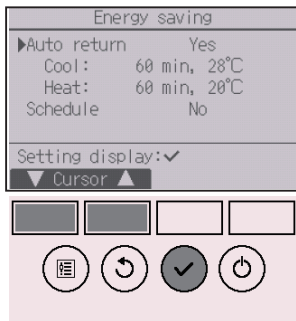
#### Button operation

1



Select “Energy saving” from the Energy saving menu, and press the **[SELECT]** button.

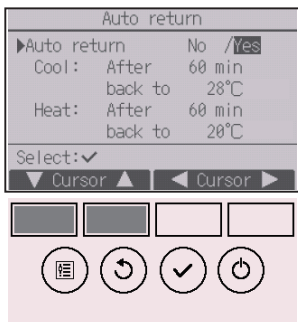
2



The current settings will appear.

Move the cursor to “Auto return” with the **[F1]** or **[F2]** button, and press the **[SELECT]** button.

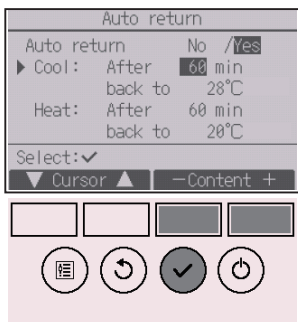
# 3



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

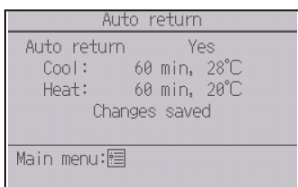


Change the settings with the **[F3]** or **[F4]** button.

- 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 30°C (67 to 87°F) (1°C increments).
- Heat: Timer setting range is 30 to 120 minutes in 10-minute increments.  
Temperature setting range is 17 to 28°C (63 to 83°F) (1°C 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.

# Function settings

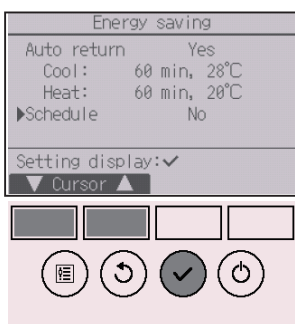
## Energy saving



### Setting the energy-saving operation schedule

#### Button operation

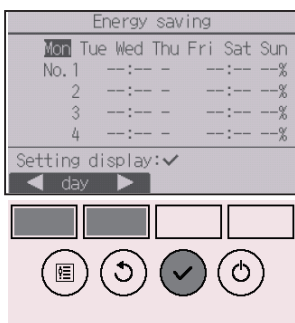
1



Bring up the “Energy saving” screen. (Refer to page 50.)

Move the cursor to “Schedule,” and press the **SELECT** button.

2

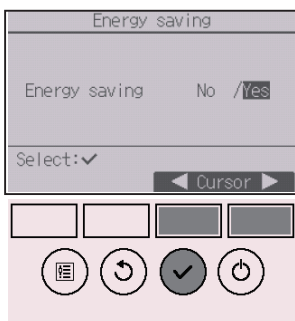


The screen to see the schedule will appear.

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



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.

4

| Energy saving |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|
| Mon           | Tue   | Wed   | Thu   | Fri   | Sat   | Sun   |
| No. 1         | --:-- | --:-- | --:-- | --:-- | --:-- | --:-- |
| 2             | --:-- | --:-- | --:-- | --:-- | --:-- | --:-- |
| 3             | --:-- | --:-- | --:-- | --:-- | --:-- | --:-- |
| 4             | --:-- | --:-- | --:-- | --:-- | --:-- | --:-- |

Input: ✓

◀ day ▶ Select

Four buttons: [List], [Reset], [Check], [Power]

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 +

Four buttons: [List], [Reset], [Check], [Power]

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.

# Function settings



 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

## Button operation

1



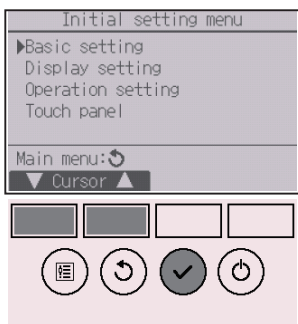
Select “Initial setting” from the Main menu (refer to page 25), and press the **[SELECT]** button.

### Clock setting is required before making the following settings.

- On/Off timer
- Weekly timer
- OU silent mode
- Energy saving
- Night setback

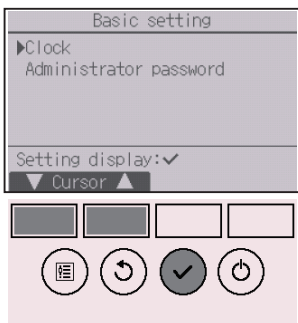
If a given system has no system controllers, the clock time will not automatically be corrected.  
In this case, periodically correct the clock time.

2



Move the cursor to “Basic setting” with the **[F1]** or **[F2]** button, and press the **[SELECT]** button.

3



Select “Clock” with the **[F1]** or **[F2]** button, and press the **[SELECT]** button.

# Function settings

4



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

5



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



# Daylight saving time



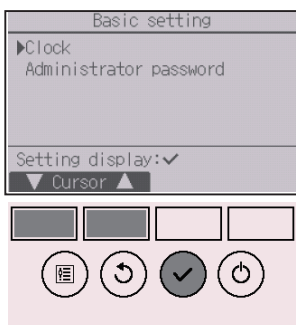
## Function description

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



Select “Clock” from the Basic setting menu, and press the **SELECT** button.

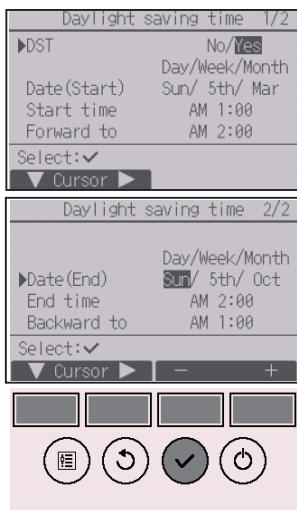
2



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

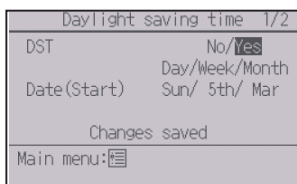
# Function settings

3



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.”



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

# Main display



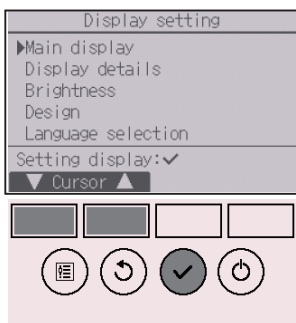
## Button operation

1



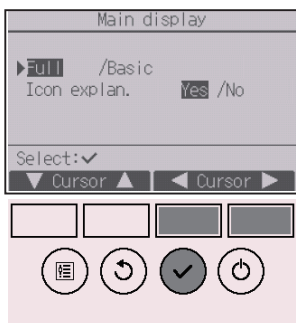
Select “Display setting” from the Initial setting menu, and press the **SELECT** button.

2



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

3



Select “Full” or “Basic” (refer to page 10) 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

## Icon explanation



### Button operation

1



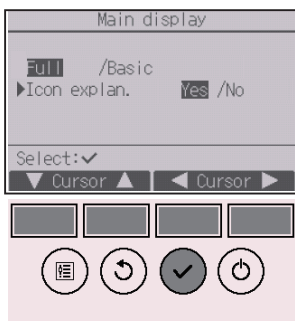
Select “Display setting” from the Initial setting menu, and press the **[SELECT]** button.

2



Move the cursor to “Main display” with the **[F1]** or **[F2]** button, and press the **[SELECT]** button.

3

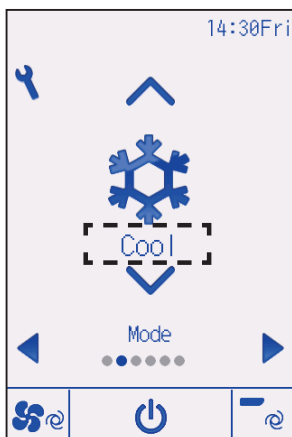


Select “Icon explan.” with the **[F1]** or **[F2]** button, select the desired setting “Yes” or “No” with the **[F3]** or **[F4]** button, and press the **[SELECT]** button.  
The default setting is “Yes”.

#### Navigating through the screens

- To go back to the Main menu ..... **[MENU]** button
- To return to the previous screen ..... **[RETURN]** button

4



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

# Function settings

## Brightness



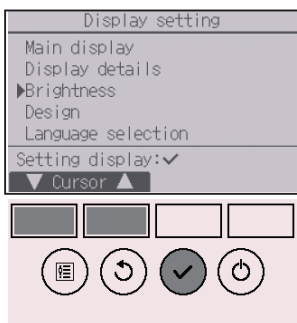
### Button operation

1



Select “Display setting” from the Initial setting menu, and press the **[SELECT]** button.

2



Move the cursor to “Brightness” with the **[F1]** or **[F2]** button, and press the **[SELECT]** button.

3



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

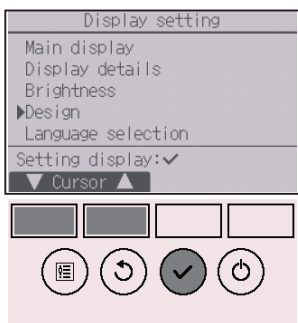
## Button operation

1



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

2



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

3



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.

# Function settings

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



# Language selection



## 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.

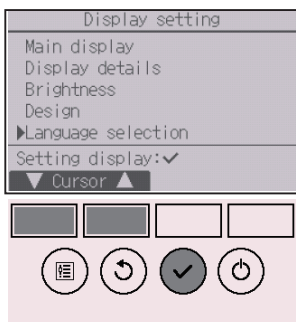
## Button operation

1



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

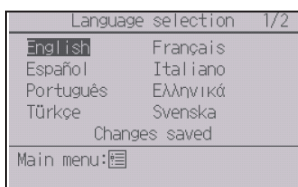
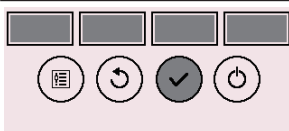
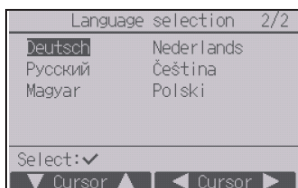
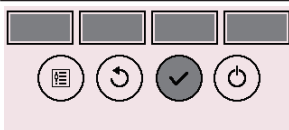
2



Move the cursor to "Language selection" with the **F1** or **F2** button, and press the **SELECT** button.

# Function settings

3



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.

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

# Touch panel calibration



## Button operation

1



Select “Touch panel” from the Initial setting menu, and press the **SELECT** button.

2



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

3



A confirmation screen will appear.  
Select “Cancel” or “OK” with the **F3** or **F4** button.

# Function settings

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.

# Touch panel cleaning



## Button operation

1



Select “Touch panel” from the Initial setting menu, and press the **SELECT** button.

2



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

3



A confirmation screen will appear.  
Select “Cancel” or “OK” with the **F3** or **F4** button.

# Function settings

4



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.

# Initialize remote controller



## 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



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

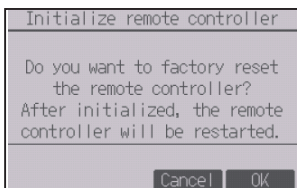
2



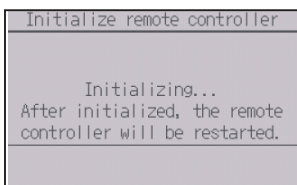
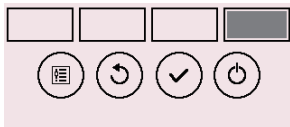
Move the cursor to "Initialize remote controller" with the **F1** or **F2** button, and press the **SELECT** button.

# Function settings

3



Select "OK" with the **[F4]** button.



The remote controller will automatically be started up after being initialized.



# Remote controller information



## Function description

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

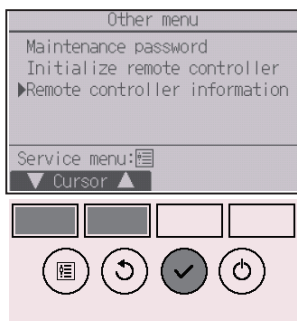
### Button operation

1



Select “Others” from the Service menu, and press the **SELECT** button.

2



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

# Function settings

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.

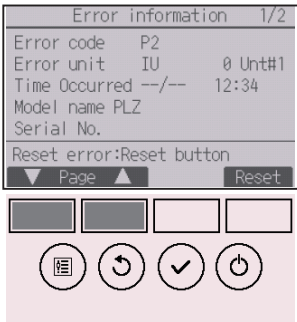
# Troubleshooting

## 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.**

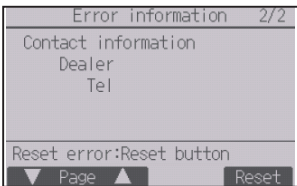
### Button operation

1



Error 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.



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

# Troubleshooting

2

Error information 1/2

Error code P2

Error unit IU 0 Unt#1

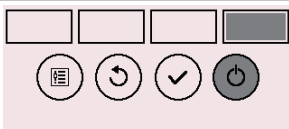
Time Occurred --/-- 12:34

Model name PLZ

Serial No.

Reset error:Reset button

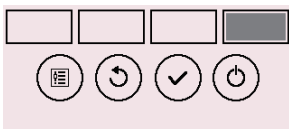
Reset



Error reset

Reset current error?

Cancel OK



Error reset

Error reset

Main menu: [List Icon]

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.**

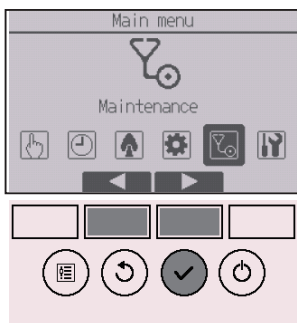
Select “OK” with the **[F4]** button.

A confirmation screen will appear.

## Navigating through the screens

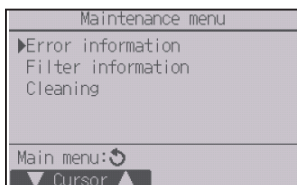
- To go back to the Main menu ..... **[MENU]** button

## Checking the error information



While no errors are occurring, page 2/2 of the error information (refer to page 75) can be viewed from the menu operation.

Select "Maintenance" menu from the Main menu, and press the **SELECT** button.



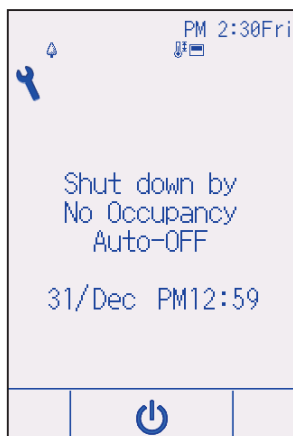
To display the error information screen, select "Error information" from the Maintenance menu.

Errors cannot be reset.

# Troubleshooting

## 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.



# Maintenance

## Filter information



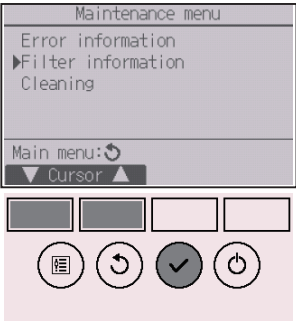
 will appear on the Status display and the Main display in the Full mode when it is time to clean the filters.

**Wash, clean, or replace the filters when this sign appears.**

**Refer to the indoor unit Instructions Manual for details.**

### Button operation

1



Select “Filter information” from the Maintenance menu, and press the **SELECT** button.

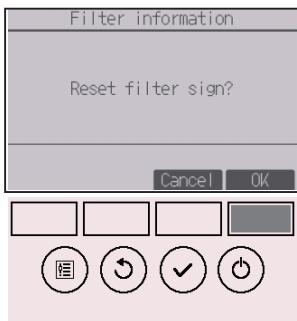
2



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

# Maintenance

3



Select “OK” with the **[F4]** 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




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):<br>65(W) × 120(H) × 14.1(D) mm (2 9/16 × 4 23/32 × 9/16 [in])<br>(not including the protruding part) |
|                            | Premium (PAR-CT01MAA(R)-PB):<br>68(W) × 120(H) × 14.1(D) mm (2 11/16 × 4 23/32 × 9/16 [in])<br>(not including the protruding part)               |
| Net weight                 | Standard (PAR-CT01MAA(R)-SB/PAR-CT01MAA-S):<br>0.09 kg (13/64 lbs)   |
|                            | Premium (PAR-CT01MAA(R)-PB):<br>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 – 40°C (32 – 104°F)<br>Humidity 25 – 90%RH (with no dew condensation)  |
| Material                   | Standard (PAR-CT01MAA(R)-SB/PAR-CT01MAA-S)<br>Main body: ABS   |
|                            | Premium (PAR-CT01MAA(R)-PB)<br>Main body: ABS<br>Side plate: Aluminum  |

# Specifications

## Function list (as of December 1, 2020)

○ : 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.

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

○ : 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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