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.
**Product features**

**Feature 1**

**Large, easy-to-see display**

Full-dot LCD display with large characters for easy viewing

**Feature 2**

**Simple button arrangement**

**Feature 3**

**Large, easy-to-press buttons**

Buttons are arranged according to usage to allow for intuitive navigation.

Frequently used buttons are larger than other buttons to prevent unintended pressing of other buttons.
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## Safety precautions

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

<table>
<thead>
<tr>
<th><strong>WARNING</strong></th>
<th>Indicates a risk of death or serious injury.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAUTION</strong></td>
<td>Indicates a risk of serious injury or structural damage.</td>
</tr>
</tbody>
</table>

- 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.

### **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. |
| 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. |
| 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. |
| To avoid damage to the controller, provide protection against static electricity. |
Names and functions of controller components

Controller interface

Function buttons

1. Power button
2. Enter button
3. Reset button
4. Menu button
5. Display screen
6. Power indicator
7. Function button 7
8. Function button 8
9. Function button 9
10. Function button 10
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.

4 **MENU** button
Press to bring up the Main menu.

5 **Backlit LCD**
Operation settings will appear.
When the backlight is off, pressing any button turns the backlight on and it will stay lit for a certain period of time depending on the screen.

When the backlight is off, pressing any button turns the backlight on and does not perform its function. (except for the ON/OFF button)

6 **ON/OFF lamp**
This lamp lights up in green while the unit is in operation. It blinks while the remote controller is starting up or when there is an error.

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.
When the system is centrally controlled, the button function guide that corresponds to the locked button will not appear.

5 Backlit LCD
Operation settings will appear.
When the backlight is off, pressing any button turns the backlight on and it will stay lit for a certain period of time depending on the screen.

When the system is centrally controlled, the button function guide that corresponds to the locked button will not appear.

7 **Function button** F1
Main display: Press to change the operation mode.
Main menu: Press to move the cursor down.

8 **Function button** F2
Main display: Press to decrease temperature.
Main menu: Press to move the cursor up.

9 **Function button** F3
Main display: Press to increase temperature.
Main menu: Press to go to the previous page.

10 **Function button** F4
Main display: Press to change the fan speed.
Main menu: Press to go to the next page.
Names and functions of controller components

Display

The main display can be displayed in two different modes: "Full" and "Basic." The factory setting is "Full." To switch to the "Basic" mode, change the setting on the Main display setting. (Refer to page 44.)

Full mode

* All icons are displayed for explanation.

Basic mode
1. **Operation mode**  
   Page 14  
   Indoor unit operation mode appears here.

2. **Preset temperature**  
   Page 14  
   Preset temperature appears here.

3. **Clock**  
   (See the Installation Manual.)  
   Page 15  
   Current time appears here.

4. **Fan speed**  
   Page 15  
   Fan speed setting appears here.

5. **Button function guide**  
   Functions of the corresponding buttons appear here.

6. **Indicates the vane setting.**

7. **Indicates the louver setting.**

8. **Indicates the ventilation setting.**

9. **Room temperature**  
   (See the Installation Manual.)  
   Current room temperature appears here.

10. **Indicates when filter needs maintenance.**

11. **Indicates when filter needs maintenance.**

12. **Appears when the buttons are locked.**

13. **Appears when the On/Off timer or Night setback function is enabled.**

14. **Appears when the Weekly timer is enabled.**

15. **Appears while the units are operated in the energy-save mode.**

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

17. **Appears when the built-in thermistor on the remote controller is activated to monitor the room temperature (11).**

18. **Appears when the thermistor on the indoor unit is activated to monitor the room temperature.**

19. **Indicates the louver setting.**

20. **Indicates the ventilation setting.**

21. **Appears when the preset temperature range is restricted.**

Most settings (except ON/OFF, mode, fan speed, temperature) can be made from the Menu screen. (Refer to page 18.)
Menu structure

Main menu

Press the MENU button.

Move the cursor to the desired item with the F1 and F2 buttons, and press the SELECT button.

- Vane•Louver•Vent. (Lossnay) .............. Page 20
- High power .................................. Page 22
- Timer ..........................................
  - On/Off timer ............................... Page 24
  - Auto-Off timer ......................... Page 26
- Weekly timer ................................. Page 28
- OU silent mode .............................. Page 30
- Restriction ..................................
  - Temp. range ............................... Page 32
  - Operation lock ............................ Page 34
- Energy saving ............................... Page 36
  - Auto return ............................... Page 36
  - Schedule ................................ Page 38
- Night setback ............................... Page 40
- Filter information ......................... Page 48
- Error information ......................... Page 50
- Maintenance ............................... Page 42
  - Auto descending panel ............... Refer to the Instructions Manual that came with the automatic elevating panel.
  - Manual vane angle ...................... Page 42
- Initial setting .............................. Refer to the Installation Manual.
  - Main/Sub ................................ Page 23
  - Clock ..................................... Page 23
  - Main display .............................. Page 44
  - Contrast .................................. Page 45
  - Display details ........................... Refer to the Installation Manual.
  - Auto mode ................................. Refer to the Installation Manual.
  - Administrator password ............... Refer to the Installation Manual.
  - Language selection ...................... Page 46
Controller operation

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

\[\text{Timer} \]

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

- **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.

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 functions that are not available when the buttons are locked or the system is centrally controlled.

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

OFF

Press the ON/OFF button again. The ON/OFF lamp will come off, and the operation will stop.
Operation status memory

<table>
<thead>
<tr>
<th>Remote controller setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation mode</td>
</tr>
<tr>
<td>Preset temperature</td>
</tr>
<tr>
<td>Fan speed</td>
</tr>
</tbody>
</table>

Settable preset temperature range

<table>
<thead>
<tr>
<th>Operation mode</th>
<th>Preset temperature range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cool/Dry</td>
<td>19 ~ 30 °C (67 ~ 87 °F)</td>
</tr>
<tr>
<td>Heat</td>
<td>17 ~ 28 °C (63 ~ 83 °F)</td>
</tr>
<tr>
<td>Auto</td>
<td>19 ~ 28 °C (67 ~ 83 °F)</td>
</tr>
<tr>
<td>Fan/Ventilation</td>
<td>Not settable</td>
</tr>
</tbody>
</table>

The settable temperature range varies with the model of indoor units.
Operation mode, temperature, and fan speed settings

Button operation

### Operation mode

Press the F1 button to go through the operation modes in the order of "Cool, Dry, Fan, Auto, and Heat." 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.

### Preset temperature

Press the F2 button to decrease the preset temperature by 1°C (1°F), and press the F3 button to increase.

• Refer to the table on page 13 for the settable temperature range for different operation modes.
• Preset temperature range cannot be set for Fan/Ventilation operation.
Fan speed

Press the F4 button to go through the fan speeds in the following order.

- The available fan speeds depend on the models of connected indoor units.
- Fan speed can be changed even when the buttons are locked or when the system is centrally controlled.
# Navigating through the menu

## Main menu list

<table>
<thead>
<tr>
<th>Setting and display items</th>
<th>Setting details</th>
<th>Reference page</th>
</tr>
</thead>
</table>
| Vane•Louver•Vent. (Lossnay) | Use to set the vane angle.  
  • Select a desired vane setting from five different settings.  
**Use to turn ON/OFF the louver.**  
  • Select a desired setting from "ON" and "OFF."  
**Use to set the amount of ventilation.**  
  • Select a desired setting from "Off," "Low," and "High." | 20 |
| High power | Use to reach the comfortable room temperature quickly.  
  • Units can be operated in the High-power mode for up to 30 minutes. | 22 |
| Timer | On/Off timer  
  Use to set the operation On/Off times.  
  • Time can be set in 5-minute increments.  
  * Clock setting is required. | 24 |
| Timer | 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. | 26 |
| Weekly timer | Use to set the weekly operation On/Off times.  
  • Up to eight operation patterns can be set for each day.  
  * Clock setting is required.  
  * Not valid when the On/Off timer is enabled. | 28 |
| 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. | 30 |
| Restriction | Temp. range  
  Use to restrict the preset temperature range.  
  • Different temperature ranges can be set for different operation modes. | 32 |
| Restriction | Operation lock  
  Use to lock selected functions.  
  • The locked functions cannot be operated. | 34 |
| 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. | 36 |
| 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. | 38 |
Restrictions for the sub remote controller

The following settings cannot be made from the sub remote controller. Make these settings from the main remote controller. "Main" is displayed in the title of the Main menu on the main remote controller.

• Timer  
  (On/Off timer, Auto-Off timer)  
• Weekly timer  
• OU silent mode  
• Energy saving  
  (Auto return, Schedule)  
• Night setback  
• Maintenance  
  (Manual vane angle)
Navigating through the menu

Navigating through the Main menu

Button operation

Accessing the Main menu

Press the [MENU] button.
The Main menu will appear.

Item selection

Press [F1] to move the cursor down.
Press [F2] to move the cursor up.

Navigating through the pages

Press [F3] to go to the previous page.
Press [F4] to go to the next page.
Saving the settings

Select the desired item, and press the SELECT button.

The screen to set the selected item will appear.

Exiting the Main menu screen

Press the RETURN button to exit the Main menu and return to the Main display.

If no buttons are touched for 10 minutes, the screen will automatically return to the Main display. Any settings that have not been saved will be lost.

Display of unsupported functions

The message at left will appear if the user selects a function not supported by the corresponding indoor unit model.
Controller operation-Function settings

Vane•Louver•Vent. (Lossnay)

Button operation

Accessing the menu

Select "Vane•Louver•Vent. (Lossnay)" from the Main menu (refer to page 18), and press the SELECT button.

Vane setting


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.

- under the vane setting icon

This icon will appear when the vane is set to "Step 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

Press the F4 button to turn the louver swing ON and OFF.

(Sample screen on City Multi)

Vent. setting

Press the F3 button to go through the ventilation setting options in the order of "Off," "Low," and "High."

* Settable only when LOSSNAY unit is connected.

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

(Sample screen on Mr. Slim)

Returning to the Main menu

Press the RETURN button to go back to the Main menu.
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 Main menu during Cooling, Heating, or AUTO operation (refer to page 18), and press the SELECT button.

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
Clock

Button operation

1

Select "Initial setting" from the Main menu (refer to page 18), 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

2

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

3

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
Controller operation—Function settings

On/Off timer

Select "Timer" from the Main menu (refer to page 18), 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 from local controller is prohibited).

The current settings will appear.

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

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."
4

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)

Press the SELECT button to save the settings.

5

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

จะมีการใช้เครื่องควบคุมอุณหภูมิในที่ทำงาน

จะมีการใช้เครื่องควบคุมอุณหภูมิในที่ทำงาน

จะมีการใช้เครื่องควบคุมอุณหภูมิในที่ทำงาน
Controller operation-Function settings

Auto-Off timer

Button operation

1. Bring up the Timer setting screen. (Refer to page 24.)
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, when the clock is not set, during Function setting, when the system is centrally controlled (when On/Off operation from local controller is prohibited).

2. The current settings will appear.
Move the cursor to the "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.)
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
Weekly timer

Select "Weekly timer" from the Main menu (refer to page 18), 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 or temperature setting from local controller is prohibited).

The current settings will appear.

Press the [F1] or [F2] button to see the settings for each day of the week.

Press the [F4] button to see patterns 5 through 8.

Press the [SELECT] button to go to the setting screen.

The screen to enable (Yes) and disable (No) the weekly timer will appear.

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

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
- Temperature: The settable temperature range depends on the connected indoor units.

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

The icon will not appear while the On/Off timer is enabled.
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 Main menu (refer to page 18), and press the SELECT button.

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.

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

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 Main display in the Full mode during the OU silent mode.
Controller operation-Function settings

Restriction

Setting the temperature range restriction

Button operation

1. Select "Restriction" from the Main menu (refer to page 18), and press the SELECT button.

2. The current settings will appear.

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

3. 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."
Change the settings with the [F3] or [F4] button.
- Temp. range: No (unrestricted) or Yes (restricted)
- Cool•Dry: Upper and lower limit temperature
- Heat: Upper and lower limit temperature
- Auto: Upper and lower limit temperature

Temperature setting ranges

<table>
<thead>
<tr>
<th>Mode</th>
<th>Lower limit</th>
<th>Upper limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cool•Dry</td>
<td>19 ~ 30°C (67 ~ 87°F)</td>
<td>30 ~ 19°C (87 ~ 67°F)</td>
</tr>
<tr>
<td>Heat</td>
<td>17 ~ 28°C (63 ~ 83°F)</td>
<td>28 ~ 17°C (83 ~ 63°F)</td>
</tr>
<tr>
<td>Auto</td>
<td>19 ~ 28°C (67 ~ 83°F)</td>
<td>28 ~ 19°C (83 ~ 67°F)</td>
</tr>
</tbody>
</table>

* The settable range varies depending on the connected unit.

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
Controller operation-Function settings

Restriction

Operation lock function

Button operation

1

Bring up the Restriction setting screen. (Refer to page 32.)

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

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," "On/Off," "Mode," "Set temp.," or "Vane."

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

- Operation locked: No (disable)/Yes (enable)
- On/Off: On/Off operation
- Mode: Operation mode setting
  - "-" / "Locked"
- Set temp.: Preset temp. setting
- Vane: Vane setting

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

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

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

(When Set temp. is locked)
Controller operation-Function settings

Energy saving

Automatic return to the preset temperature

Button operation

1. Select "Energy saving" from the Main menu (refer to page 18), 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."
Change the settings with the \textbf{F3} or \textbf{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).
- 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).

Press the \textbf{SELECT} button to save the settings. "Cool" includes "Dry" and "AUTO Cooling" modes, and "Heat" includes "AUTO Heating" mode.

The screen to set the selected item will appear.

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

The above settings will not be effective when the Temp. range is restricted and when the system is centrally controlled (when the Temp. range setting is prohibited from local controller).

\textbf{<Sample screens when the Auto return function is enabled>}

Example: Lower the Set temp. to 24°C (75°F). 60 minutes later, the Set temp. will be back to 28°C (83°F).
Setting the energy-saving operation schedule

**Button operation**

1. Bring up the "Energy saving" screen. (Refer to page 36.)
   - Move the cursor to the "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.
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.

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

will appear on 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
Controller operation-Function settings

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 Main menu (refer to page 18), and press the SELECT button.

2. The current settings will appear.

Press the SELECT button to go to the setting screen.
3

### Night setback

<table>
<thead>
<tr>
<th>Item</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Night setback</td>
<td>No / Yes</td>
</tr>
<tr>
<td>Temp. range</td>
<td>12°C - 28°C</td>
</tr>
<tr>
<td>Start</td>
<td>23:00</td>
</tr>
<tr>
<td>Stop</td>
<td>5:00</td>
</tr>
</tbody>
</table>

**Select:**

- 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.

- **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

![](image)

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

### 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 or temperature setting from local controller is prohibited).
Controller operation-Function settings

Manual vane angle

Button operation

1. Select "Maintenance" from the Main menu (refer to page 18), and press the SELECT button.

2. Select "Manual vane angle" with the F1 or F2 button, and press the SELECT button.

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.
The current vane setting will appear.

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

Press the F3 or F4 button to go through the option in the order of "No setting (reset)," "Step 1," "Step 2," "Step 3," "Step 4," and "Step 5."
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 one shown above (step 4) 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 go back to the Main menu .......... MENU button
• To return to the previous screen ...... RETURN button
Main display

Button operation

1. Select "Initial setting" from the Main menu (refer to page 18), and press the SELECT button.

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

3. Select "Full" or "Basic" (refer to page 8) 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
Contrast

Button operation

1

Select "Initial setting" from the Main menu (refer to page 18), and press the SELECT button.

2

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

3

Adjust the contrast with the F3 or F4 button, and press the MENU or RETURN button.

Navigating through the screens
• To go back to the Main menu ......... MENU button
• To return to the previous screen ...... RETURN button
Controller operation-Function settings

Language selection

Function description

The desired language can be set. The language options are English, French, German, Spanish, Italian, Portuguese, Swedish, and Russian.

Button operation

1. Select "Initial setting" from the Main menu (refer to page 18), and press the SELECT button.

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

Move the cursor to the language you desire with the \textbf{F1} through \textbf{F4} buttons, and press the \textbf{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 .......... \textbf{MENU} button
• To return to the previous screen ...... \textbf{RETURN} button
**Filter information**

![Image of a thermostat display with options]

- **1**
  - Select "Filter information" from the Main menu (refer to page 18), 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.

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

Refer to the indoor unit Instructions Manual for details.

- **Note:** The A/C will appear on the Main display in the Full mode when it is time to clean the filters.

Press the **Reset** button after filter cleaning.
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

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.
Troubleshooting

Error information

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

Error information

1

Error code, error unit, refrigerant address, unit model name, 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.
Checking the error information

While no errors are occurring, page 2/2 of the error information (refer to page 50) can be viewed by selecting "Error information" from the Main menu (refer to page 18).

Errors cannot be reset from this screen.
## Specifications

**Controller specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product size</strong></td>
<td>120(W) x 120(H) x 19(D) mm (4 3/4 x 4 3/4 x 3/4 [in]) (not including the protruding part)</td>
</tr>
<tr>
<td><strong>Net weight</strong></td>
<td>0.25 kg (9/16 lb.)</td>
</tr>
<tr>
<td><strong>Rated power supply voltage</strong></td>
<td>12 VDC (supplied from indoor units)</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>0.3 W</td>
</tr>
<tr>
<td><strong>Usage environment</strong></td>
<td>Temperature 0 ~ 40°C (32 ~ 104°F)</td>
</tr>
<tr>
<td></td>
<td>Humidity 30 ~ 90%RH (with no dew condensation)</td>
</tr>
<tr>
<td><strong>Material</strong></td>
<td>Panel: PMMA</td>
</tr>
<tr>
<td></td>
<td>Main body: PC + ABS</td>
</tr>
</tbody>
</table>
## Function list (as of December 1, 2010)

<table>
<thead>
<tr>
<th>Function</th>
<th>City Multi</th>
<th>Mr. Slim</th>
<th>Required password</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operation/Display</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power ON/OFF</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Operation mode switch</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Room temperature setting</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Fan speed setting</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Vane angle setting</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Louver setting</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Ventilation setting</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>High power operation</td>
<td>×</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Auto descending panel</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Backlight</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Contrast setting</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Main display mode switch</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Clock setting</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Clock display format setting</td>
<td>○</td>
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<tr>
<td>(Date display format setting)</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Language selection (8 languages)</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Room temperature display</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td>Error display</td>
<td>○</td>
<td>○</td>
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</tr>
<tr>
<td>Filter information</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
<tr>
<td><strong>Schedule/Timer</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On/Off timer</td>
<td>○</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td>Auto-off timer</td>
<td>○</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td>Weekly timer</td>
<td>○</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td>Night setback</td>
<td>○</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td>OU silent mode</td>
<td>×</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td><strong>Energy saving</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto return</td>
<td>○</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td>Schedule</td>
<td>×</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td><strong>Restriction</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Operation lock</td>
<td>○</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td>Temperature range restriction</td>
<td>○</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td>Password</td>
<td>○</td>
<td>○</td>
<td>administrator</td>
</tr>
<tr>
<td>(Administrator and Maintenance)</td>
<td>○</td>
<td>○</td>
<td>maintenance</td>
</tr>
<tr>
<td><strong>Others</strong></td>
<td></td>
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</tr>
<tr>
<td>Manual vane angle</td>
<td>○</td>
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<tr>
<td>Test run</td>
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<tr>
<td>Model information input</td>
<td>○</td>
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<tr>
<td>Dealer information input</td>
<td>○</td>
<td>○</td>
<td>maintenance</td>
</tr>
<tr>
<td>Function setting</td>
<td>×</td>
<td>○</td>
<td>maintenance</td>
</tr>
<tr>
<td>Smooth maintenance</td>
<td>×</td>
<td>○</td>
<td>maintenance</td>
</tr>
<tr>
<td>Refrigerant volume check</td>
<td>×</td>
<td>○</td>
<td>maintenance</td>
</tr>
<tr>
<td>Refrigerant leak check</td>
<td>×</td>
<td>○</td>
<td>maintenance</td>
</tr>
</tbody>
</table>

* The supported functions vary depending on the unit model.
## List of functions that can/cannot be used in combination

<table>
<thead>
<tr>
<th></th>
<th>High power</th>
<th>On/Off timer</th>
<th>Auto-off timer</th>
<th>Weekly timer</th>
<th>OU silent mode</th>
<th>Temperature range</th>
<th>Operation lock</th>
<th>Auto return</th>
<th>Energy saving schedule</th>
<th>Night setback</th>
</tr>
</thead>
<tbody>
<tr>
<td>High power</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On/Off timer</td>
<td></td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
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<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Auto-off timer</td>
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<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
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</tr>
<tr>
<td>Weekly timer</td>
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<td>O</td>
<td>O</td>
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<td>O</td>
</tr>
<tr>
<td>OU silent mode</td>
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<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
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</tr>
<tr>
<td>Temperature range</td>
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<td>O</td>
<td>O</td>
<td>O</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Operation lock</td>
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<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
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</tr>
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<td>Auto return</td>
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<td>O</td>
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<tr>
<td>Energy saving schedule</td>
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<td>O</td>
<td>O</td>
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<td>O</td>
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</tr>
<tr>
<td>Night setback</td>
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<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

- **O**: Can be used in combination
- **X**: 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.

**X1**: Weekly timer setting is not effective because On/Off timer has the higher priority.

**X2**: Auto return function cannot be used because Temperature range setting has the higher priority.
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:
• Low Voltage Directive 2006/95/EC
• Electromagnetic Compatibility Directive 2004/108/EC