Thank you for purchasing a Mitsubishi CITY MULTI system.
To use your CITY MULTI system correctly and safely, please read this book before use.
After reading this book, keep it and the installation manual in a place where the final user can see them at anytime.
When the end user has changed, forward this book and the instruction manual to the new final user.
Do not try to install or move this system by yourself. (Safety and functions cannot be ensured)

1 Safety Precautions

The following two symbols are used to dangers that may be caused by incorrect use and their degree:

**WARNING**
This symbol denotes what could lead to serious injury or death if you misuse the Controller.

**CAUTION**
This symbol denotes what could lead to a personal injury or damage to your property if you misuse the Controller.

<table>
<thead>
<tr>
<th>WARNING</th>
<th>CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ask your dealer or technical representative to install the unit. Any deficiency caused by your own installation may result in an electric shock or fire.</td>
<td>Do not move and re-install the Controller yourself. Any deficiency caused by installation may result in an electric shock or fire. Ask your distributor or special vendor for moving and installation.</td>
</tr>
<tr>
<td>Securely install in a place which can withstand the weight of the controller. If it is not enough, the controller may drop and cause an injury.</td>
<td>To dispose of this product, consult your dealer.</td>
</tr>
<tr>
<td>Make sure that the controller is connected to a rated power supply. If the controller is not connected to a rated power supply, it may cause a fire or damage to the controller.</td>
<td>Never modify or repair the Controller by yourself. Any deficiency caused by your modification or repair may result in an electric shock or fire. Consult with your dealer about repairs.</td>
</tr>
<tr>
<td>Stop the operation if any malfunction occurs. If malfunction occurs (burning smell, etc.) stop the operation and turn off the power supply. Contact the your dealer or technical representative immediate. If the controller continues to operate after a malfunction occurs, this may cause damage, electric shock or fire.</td>
<td>Stop the operation immediately and notify the your dealer if an error code is displayed or malfunction occurs. Fire or damage may cause it the controller is operated in this condition.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do not install in any place exposed to flammable gas leakage. Flammable gases accumulated around the body of the controller may cause an explosion.</td>
</tr>
<tr>
<td>Do not wash with water. Doing so may cause an electric shock or a malfunction.</td>
</tr>
<tr>
<td>Do not touch any control button with your wet hands. Doing so may cause an electric shock or a malfunction.</td>
</tr>
<tr>
<td>Do not use the controller for special applications. This product is designed for use with the CITY MULTI CONTROL SYSTEM. Do not use the system for other air condition management operation or applications. It may cause malfunctions.</td>
</tr>
<tr>
<td>Do not apply insecticide or flammable sprays to the controller. Do not place flammable spray near the controller and make sure it does not blow directly on the controller as this may cause in fire.</td>
</tr>
<tr>
<td>Do not clean the unit using benzene, thinner or other chemicals. It may cause discoloration or other damage. If the unit should become particularly dirty, apply a mild cleaner that has been diluted with water to a soft cloth and wipe the unit clean. Be sure to wipe away any residual moisture with a dry cloth.</td>
</tr>
<tr>
<td>Do not use in any special environment. Using in any place exposed to oil (including machine oil), steam and sulfuric gas may deteriorate the performance significantly or give damage to the component parts.</td>
</tr>
<tr>
<td>Do not press any control button using a sharp object. Doing so may cause an electric shock or a malfunction.</td>
</tr>
<tr>
<td>Operate the controller within the specified temperature range. Observe the specified temperature range when operating the controller. If the controller is used outside the specified temperature range, it may cause serious damage. Be sure to check the operation temperature range in the operation manual.</td>
</tr>
<tr>
<td>Do not pull or twist the transmission line. It may cause a fire or malfunction.</td>
</tr>
<tr>
<td>Do not dismantle the unit. It is dangerous to touch the internal circuit board. It may cause a fire or malfunction.</td>
</tr>
</tbody>
</table>
**Part Names**

**“CENTRALLY CONTROLLED” display**
Displayed when air conditioner operation is prohibited by a central controller, etc. When the remote controller buttons are locked, this display flashes.

**“CURRENT/STARTING/ENDING/REMAINING time” display**
Displays the current time and timer set times. When the timer is operating, displays the normal time and the starting, ending, or remaining time.

**“Room temperature” display**
Displays the intake temperature while the air conditioner is operating.

**“Set temperature” display**
Displays the set temperature.

**“Wind speed” display**
Displays the selected wind speed.

**“Louver” display**
Displays operation of the swing louver. It is not displayed when the louver is stopped.

**“Operation mode”**
Displays the operation mode.

**“Airflow” display**
Displays the outlet air direction.

**“Filter” display**
Indicates that it is time to clean the filter.

**“Timer” “DAILY” “AUTO OFF” Display**
Displays the timer mode when the timer is set. There are three timer modes: 1 day timer, daily timer, and auto off timer. One of these modes can be selected.

**“Ventilation” display**
Displayed during fan operation.

**“Senser” display**
Displayed when the remote controller sensor is used.

**“AIR” display**
Displayed when the power is on.

**“NOT AVAILABLE” display**
Displayed when the button of a function that is not installed at the indoor unit was pressed, this display flashes simultaneously with the corresponding function display.

**“Set effective for 1 hr.” display**
Displayed when low downward is selected at cooling and electronics dry operation. (Diffs with the model.) After one hour, the display goes off, and swing also switches.

**“Operation mode”**
Displays the operation mode.

**“Airflow” display**
Displays the outlet air direction.

**“Wind speed” display**
Displays the selected wind speed.

**“Louver” display**
Displays operation of the swing louver. It is not displayed when the louver is stopped.

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Displays the current time and timer set times. When the timer is operating, displays the normal time and the starting, ending, or remaining time.

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**“Current/Starting/Ending/REMAINING time” display**
Displays the current time and timer set times. When the timer is operating, displays the normal time and the starting, ending, or remaining time.

**“Filter” display**
Indicates that it is time to clean the filter.
(1) On/off and operation mode selection and room temperature adjustment

When starting operation

- Press the [ON/OFF] button 1.
  - The ON lamp 1 and display light.

**NOTE** The restarting operation contents are shown below.

<table>
<thead>
<tr>
<th>Operation mode</th>
<th>Last operation mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature setting</td>
<td>Last set temperature</td>
</tr>
<tr>
<td>Wind speed</td>
<td>Last set wind speed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Airflow</th>
<th>Operation mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal outlet</td>
<td>Horizontal outlet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation mode</th>
<th>Horizontal outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last setting</td>
<td>Horizontal outlet</td>
</tr>
</tbody>
</table>

**NOTE**

- The auto and heating functions may not be installed, depending on the outdoor unit model.

When you want to change the set temperature

<When you want to lower the room temperature>

- Press the [TEMP. (\(\downarrow\))] button 3.

<When you want to raise the room temperature>

- Press the [TEMP. (\(\uparrow\))] button 3.
  - The set temperature changes 1 °C each time the button is pressed.
  - The set temperature is displayed at 3.
  - The following specified temperatures can be set:

<table>
<thead>
<tr>
<th>Cool/dry operation</th>
<th>Heat operation</th>
<th>Auto operation</th>
<th>Fan</th>
</tr>
</thead>
<tbody>
<tr>
<td>19(14) to 30 °C</td>
<td>17 to 28 °C</td>
<td>19 to 28 °C</td>
<td>Cannot be set.</td>
</tr>
</tbody>
</table>

**Room temperature display**

During operation, the intake temperature is displayed at 4.

**NOTES**

- The display range is 8 to 39 °C. When this range is exceeded, the room temperature display flashes at 8 °C or 39 °C.
- When multiple indoor units are controlled, the contents of the master indoor unit are displayed on the remote controller.
- The room temperature sensor position can be selected from “INDOOR UNIT” and “REMOTE CONTROLLER”. The initial setting is “INDOOR UNIT”. When you want to change the room temperature sensor position to “REMOTE CONTROLLER”, consult your dealer.
- When “no room temperature display” was selected by remote controller function selection, the room temperature is not displayed.
(2) Wind speed and wind direction adjustment and fan operation

When you want to change the wind speed
■ While the air conditioner is operating, press the [Wind speed] button ⑤.
  - Each time the button is pressed, the setting changes as shown below.
  - The wind speed is displayed at ④.
  - The following wind speeds can be selected:

<table>
<thead>
<tr>
<th>Wind speed</th>
<th>Remote controller display</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-speed model</td>
<td><img src="#" alt="Wind Speed Display" /></td>
</tr>
<tr>
<td>3-speed model</td>
<td><img src="#" alt="Wind Speed Display" /></td>
</tr>
<tr>
<td>2-speed model</td>
<td><img src="#" alt="Wind Speed Display" /></td>
</tr>
</tbody>
</table>

* The wind speeds that can be selected depend on the model.

NOTES
- In cases such as the following, the liquid crystal display and unit wind speed are different.
  1. When "HEAT STAND BY" or "DEFROSTING" is displayed.
  2. Immediately after heating operation (while waiting for mode selection).
  3. When the room temperature is higher than the set temperature in the heating mode.
  4. Dry operation
- For 3-speed models, a central controller wind speed display and the remote controller wind speed display may be different.

Fan operation
<When operating fan interlocked with indoor unit>
When the indoor unit is operated, the fan is automatically operated also.
Fan operation is displayed at ⑦.

<When operating fan only while indoor unit stopped>
■ While the air conditioner is stopped, press the [Ventilation] button ⑦.
The ON/OFF lamp ① lights and fan operation is displayed at ⑦.

NOTES
- Depending on the indoor unit and fan model, the indoor unit may operate even when only the fan was operated.
- When "NOT AVAILABLE" is displayed when the [Ventilation] button ⑦ was pressed, the fan is not interlocked.

(3) How to operate the timer
There are the following three timer modes. Select one of them.

1) 1 day timer mode
   In this mode, the ON and OFF timers (10-minute units) can each be set to one time within 24 hours.
   This mode has the following three setting methods:
   - ON timer operation: Timer only starts the air conditioner.
   - OFF timer operation: Timer only stops the air conditioner.
   - ON/OFF timer operation: Timer both starts and stops the air conditioner.

2) Daily timer mode
   Operation of this mode is the same as that of the 1 day timer mode. However, timer operation can be set to the same time each day in accordance with the set ON/OFF timer time. (ON/OFF time each 1 time/daily)

3) Auto off timer mode
   The OFF timer can be easily set in 30-minute units. (30 minutes to 4 hours range) When the remaining time reaches 0:00, the air conditioner stops.
   When the Auto off timer mode is selected, the next time the air conditioner is started, the OFF timer operates automatically so that the timer can be used to turn off the air conditioner if you should forget.

NOTE

When ON/OFF operation from the central controller, etc. was restricted when timer operation was set, the set ON/OFF timer is not executed. After the restriction is removed, timer operation is performed at the ON/OFF time.
When ON/OFF operation was restricted during AUTO OFF timer operation, the remaining time at the point operation was restricted is memorized and the air conditioner is stopped after the memorized remaining time from the time the restriction was removed.
When setting the current time
- Press the [Time selection] button (1) and display "CLOCK".
  - Each time the button is pressed, the time is switched as shown below.

  ![CLOCK ON OFF REMAINDER No display]

- Each time the [Time selection (△)] button (2) is pressed, the time advances one minute and each time the [Time selection (◇)] button (2) is pressed, the time returns one minute.
- When the button is held down, the time advances or returns continuously. The time changes in 1 minute units → 10 minutes units → 1 hour units order.
- About 10 seconds after the end of setting, the remote controller display goes off.
  - When a power failure occurs, the current time is reset. Reset the clock.

When performing ON timer operation (1 day timer mode/daily timer mode)
- Press the [Time selection] button (1) and check "Current time (CLOCK)" and display "Starting time (ON)".
- Set the ON time by pressing the [Time selection (△) or (◇)] button (2).
  - "-- : --" display is displayed between 23 : 50 and 0 : 00.
- Press the [Timer selection] button (3) and set the display to "DAILY" (1 day timer mode) or "DAILY + DAILY" (daily timer mode).
  - Each time the button is pressed, the timer mode is switched as shown below.

  ![Off DAILY AUTO OFF]

  - The Auto off timer mode is skipped at the OFF window.

When performing OFF timer operation (1 day timer mode/daily timer mode)
- Press the [Time selection] button (1) and check "Current time (CLOCK)" and set the display to "Ending time (OFF)".
- Set the OFF time by pressing the [Time selection (△) or (◇)] button (2).
- Set the ON time to "-- : --" display.
  - "-- : --" display is displayed between 2 : 40 and 0 : 00.
- Press the [Timer selection] button (3) and set the display to "DAILY" (1 day timer mode) or "DAILY + DAILY" (daily timer mode).

When performing ON/OFF timer operation (1 day timer mode/daily timer mode)
- See the setting when performing ON timer and OFF timer operation and check "Current time (CLOCK)" and set both the ON time and OFF time.
- Press the [Timer selection] button (3) and set the display to "DAILY + DAILY" (daily timer mode).

When performing AUTO OFF timer operation (AUTO OFF timer mode)
- The Auto off timer can only be set while the air conditioner is operating.
- Press the [Timer selection] button (3) and set the display to "AUTO OFF" (Auto off timer mode).
- Set the desired remaining time by pressing the [Time selection (△) or (◇)] button (2). (30 minutes units, 30 minutes to 4 hours)
  - After remaining time setting, the timer automatically starts.

When releasing timer operation
- Press the [Timer selection] button (3) and turn off the "TIMER" display.

  ![Off DAILY AUTO OFF]

  - The Auto off timer mode is skipped at the OFF window.
(4) Other displays and flashing

- **“CENTRALLY CONTROLLED” display** –
  - Displayed when operation is controlled by central controller, etc.
  - Restricted operations are shown below.
  - ON/OFF (including timer operation)
  - Operation mode
  - Set temperature

**NOTE**
May also be individually restricted.

- **“FILTER” flashing** –
  - Indicates that the filter needs cleaning.
  - Clean the filter.
  - When resetting “FILTER” display
  - When the [FILTER] button is pressed two times successively after cleaning the filter, the display goes off and is reset.

- **“ERROR CODE” flashing** –
  - When both the “ON” lamp and “ERROR CODE” flash, trouble occurred in the air conditioner and the air conditioner stops. Jot down the unit number and error code and turn off the air conditioner power and consult your dealer.
  - When only “ERROR CODE” flashes (ON lamp remains a steady light)
  - The air conditioner continues to operate, but there is the possibility of trouble occurring. Jot down the error code and consult your dealer.

(5) How to select the remote controller functions

In the remote controller function selection mode, three functions can be selected and changed. Select and change them as required.

1) Operation mode display selection mode
   - **(Automatic mode cool/heat display selection)**
     When the AUTO operation mode was set by remote controller, the indoor unit is judged from the room temperature and the cooling or heating operation is performed automatically. In this case, “AUTO” “COOL” or “AUTO” “HEAT” is displayed at the remote controller. However, “AUTO” can be displayed alone without the “COOL” or “HEAT” display.

2) Room temperature display selection mode
   - **(Room temperature display/no display selection)**
     Normally, the intake temperature is displayed at the remote controller, but setting can be performed so that it is not displayed.

**OPERATION MODE DISPLAY SELECTION MODE (When you want to change the AUTO mode display)**

- This setting is unavailable when the controller is connected to an air conditioner without AUTO mode.
- “AUTO” “COOL/HEAT” flashes and “ON” or “OFF” lights. Each time the [Time selection (△) or (▼)] button is pressed in this state, the “ON” and “OFF” display is switched.

- When “ON” was selected, “AUTO” “COOL” or “AUTO” “HEAT” is displayed during AUTO mode operation.
- When “OFF” was selected, only “AUTO” is displayed during AUTO mode operation.
ROOM TEMPERATURE DISPLAY SELECTION MODE (When you want to change room temperature display/no display)

- “88 °C” flashes at the room temperature display and “ON” or “OFF” lights. Each time the [Time selection (△) or (▼)] button ① is pressed in this state, the “ON” and “OFF” display is switched.

• When “ON” was selected, the room temperature is continuously displayed in the ON window.
• When “OFF” was selected, the room temperature is not displayed in the ON window.

3. At the end of selection of each function, release the remote controller function selection mode and display the OFF window by pressing the [CHECK] and [Mode selection] buttons ① at the same time for two seconds.

4 Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>120 (H) × 130 (W) × 19 (D) mm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.2 kg</td>
</tr>
<tr>
<td>Power requirement</td>
<td>DC30 V Power supplied from M-NET transmission line (Normally, power is received from the outdoor unit over the indoor/outdoor unit M-NET transmission line.)</td>
</tr>
<tr>
<td>Power consumption</td>
<td>0.5 W</td>
</tr>
<tr>
<td>Environmental conditions</td>
<td>Temperature 0 to 40 °C, humidity 30 to 90 % RH (No condensation)</td>
</tr>
<tr>
<td>Material</td>
<td>PS</td>
</tr>
</tbody>
</table>