

# MITSUBISHI ELECTRIC

## CITY MULTI Control System ME Remote Controller

PAR-F27MEA

### Instruction Book

#### 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 all can see them at any time.
- 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

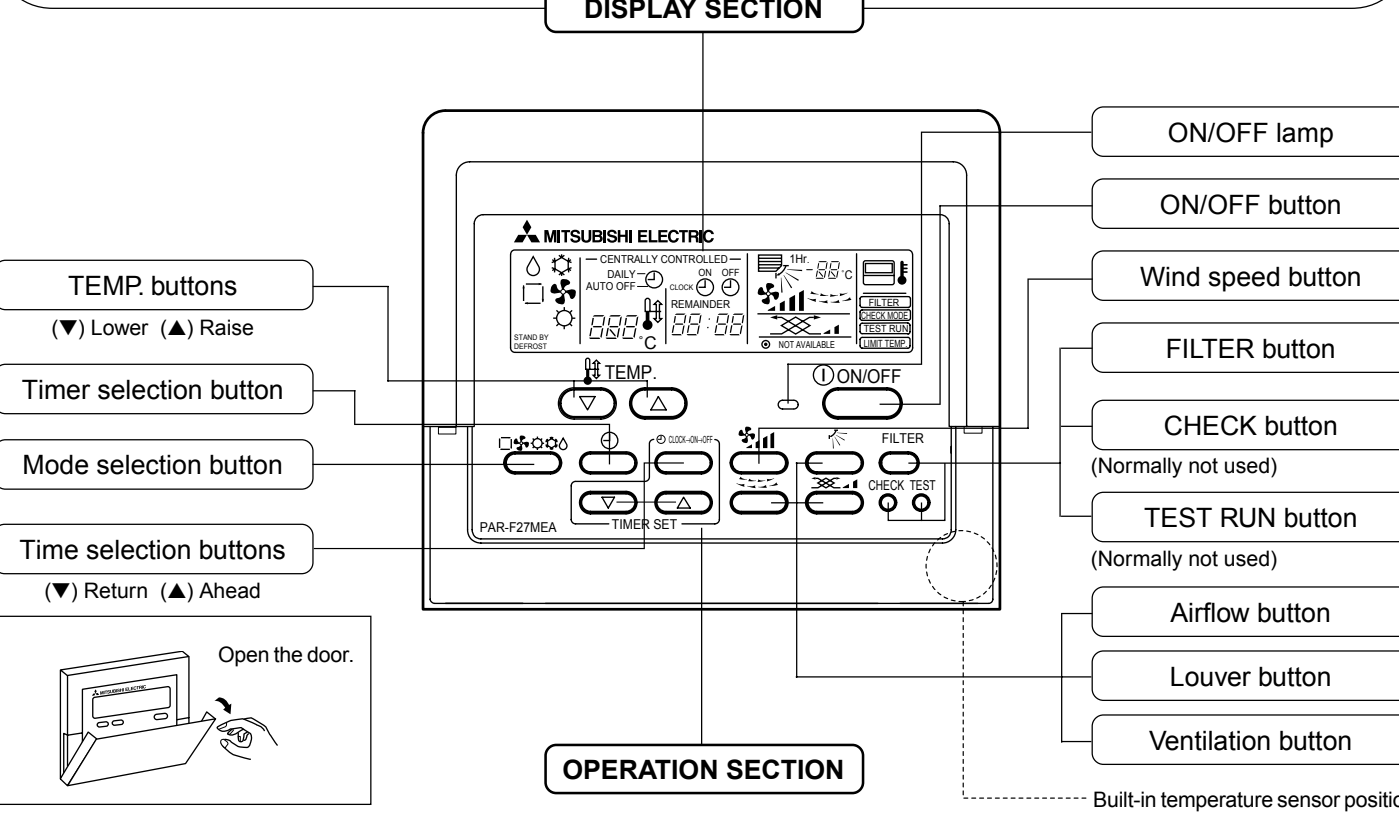
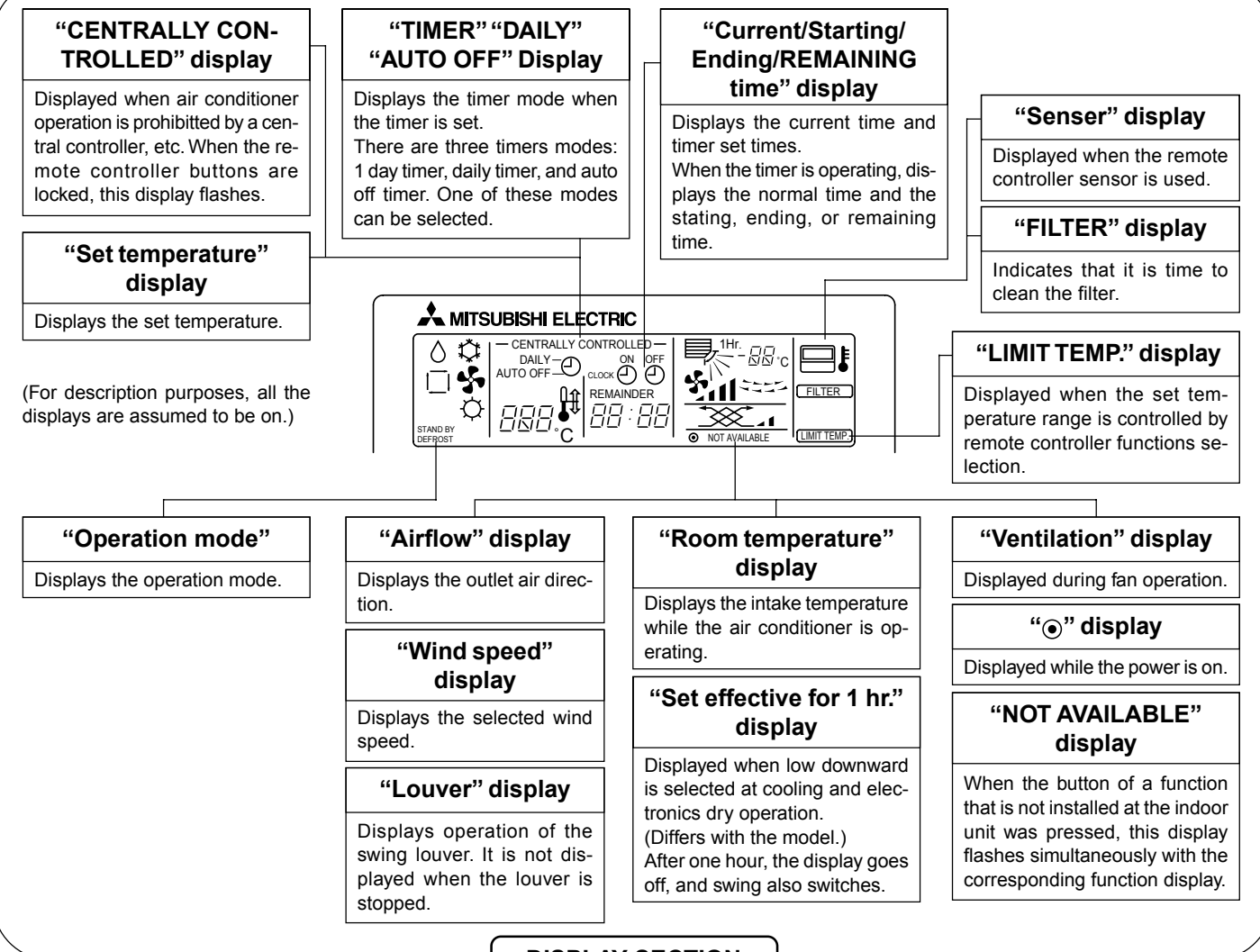
- The following two symbols are used to dangers that may be caused by incorrect use and their degree:

<b>WARNING</b>	This symbol denotes what could lead to serious injury or death if you misuse the PAR-F27MEA.
<b>CAUTION</b>	This symbol denotes what could lead to a personal injury or damage to your property if you misuse the PAR-F27MEA.

<b>WARNING</b>	
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.	Do not move and re-install the PAR-F27MEA yourself. Any deficiency caused by installation may result in an electric shock or fire. Ask your distributor or special vendor for moving and installation.
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.	To dispose of this product, consult your dealer.
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.	Never modify or repair the PAR-F27MEA by yourself. Any deficiency caused by your modification or repair may result in an electric shock or fire. Consult with your dealer about repairs.
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 immediately. If the controller continues to operate after a malfunction occurs, this may cause damage, electric shock or fire.	Stop the operation immediately and notify the your dealer if an error code is displayed or malfunction occurs. Fire or damage may cause if the controller is operated in this condition.

<b>CAUTION</b>	
Do not install in any place exposed to flammable gas leakage. Flammable gases accumulated around the body of PAR-F27MEA may cause an explosion.	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.
Do not wash with water. Doing so may cause an electric shock or a malfunction.	Do not press any control button using a sharp object. Doing so may cause an electric shock or a malfunction.
Do not touch any control button with your wet hands. Doing so may cause an electric shock or a malfunction.	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.
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.	Do not pull or twist the transmission line. It may cause a fire or malfunction.
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.	Do not dismantle the unit. It is dangerous to touch the internal circuit board. It may cause a fire or malfunction.
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.	

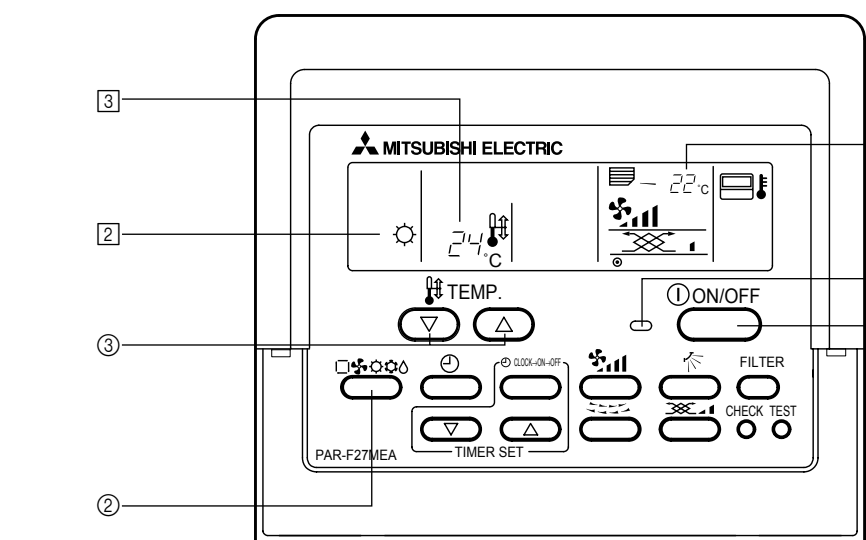
### 2 Part Names



NOTE  
When an operation button is pressed, if the indoor unit does not have that function, "NOT AVAILABLE" flashes.  
When one remote controller controls multiple indoor units, if the master indoor unit has the selected function, this message is not displayed.

### 3 How to Operate

#### (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.

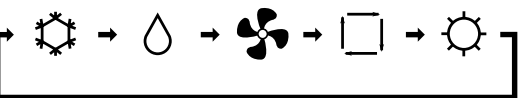
Remote controller settings	
Operation mode	Last operation mode
Temperature setting	Last set temperature
Wind speed	Last set wind speed
Airflow	Operation mode
	Last setting

#### When stopping operation

- Press the [ON/OFF] button (1).
- The ON lamp (1) and display go off.

#### When selecting the operation mode

- Press the [Mode selection] button (2) while the air conditioner is operating.
- The setting is switched each time the button is pressed.
- The operation mode is displayed at (2).



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. (▼)] button (2).

- When you want to raise the room temperature
- Press the [TEMP. (▲)] button (2).

- The set temperature changes 1 °C each time the button is pressed.
- The set temperature is displayed at (2).
- The following specified temperatures can be set:

Cool/dry operation	Heat operation	Auto operation	Fan
19(14) to 30 °C	17 to 28 °C	19 to 28 °C	Cannot be set.

#### NOTE

When "LIMIT TEMP." is displayed on the screen, the specified temperature range is limited. Therefore, the temperature range that can be changed becomes narrow.

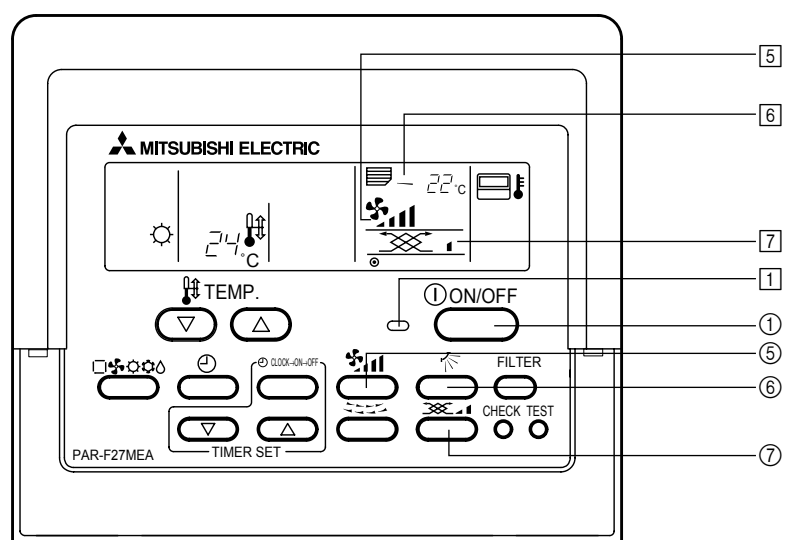
#### Room temperature display

During operation, the intake temperature is displayed at (2).

#### 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 (1).
- Each time the button is pressed, the setting changes as shown below.
- The wind speed is displayed at (1).
- The following wind speeds can be selected:

Wind speed	Remote controller display
4-speed model	(Low) (Mid1) (Mid2) (High)
3-speed model	(Mid1) (Mid2) (High)
2-speed model	(Mid1) (High)

\* 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 STANDBY" 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 (2).
- When operating fan only while indoor unit stopped: When the air conditioner is stopped, press the [Ventilation] button (2). The ON/OFF lamp (1) lights and fan operation is displayed at (2).

#### 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 (2) was pressed, the fan is not interlocked.

#### When you want to change the wind direction

- While the air conditioner is operating, press the [Airflow] button (2).
- Each time the button is pressed, the setting changes as shown below.
- The wind direction is displayed at (2).
- The following wind directions can be selected:

Display	Setting 1 (horizontal F)	Setting 2 (horizontal F)	Setting 3 (horizontal F)	Setting 4 (horizontal F)
Operation mode	Swing	Swing	Swing	Swing
Wind Speed	High/Mid1	High/Mid1	High/Mid1	High/Mid1
Heat/Fan	Swing	Horizontal outlet	Downward 45°	Downward 60°
Cool	Swing	Horizontal outlet	Downward 45°	Downward 60°
Dry	Not settable	Not settable	Not settable	Not settable
Airflow setting when operation mode was changed	Cool Dry Fan operation	Cool Dry Fan operation	Cool Dry Fan operation	Heating operation

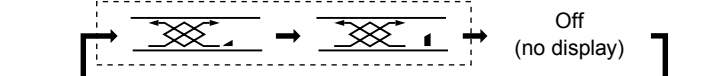
- \* After one hour, automatically returns to the horizontal position.
- During swing operation, remote controller display and airflow vane position should not be synchronized.
- There may not be an airflow function, depending on the model.

#### NOTE

- In cases such as the following, the liquid crystal display and unit airflow may be different:
- 1. When "HEAT STANDBY" or "DEFROSTING" is displayed
- 2. Immediately after heating operation (Waiting for mode selection)
- 3. When the room temperature is higher than the set temperature in the HEAT mode

#### When you want to change the fan wind speed

- Press the [Ventilation] button (2).
- Each time the button is pressed, the wind speed is changed as shown below.



#### (3) How to operate the timer

There are the following three timer modes. Select one of them.

- 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 timer 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.

