Air-Conditioners
Indoor unit
PEA-RP·EA

OPERATION MANUAL
For safe and correct use, please read this operation manual thoroughly before operating the air-conditioner unit.

English
1. Safety Precautions

Before installing the unit, make sure you read all the "Safety Precautions".

The “Safety Precautions” provide very important points regarding safety. Make sure you follow them.

Please report to or take consent by the supply authority before connection to the system.

Symbols used in the text

⚠️ Warning:
- Describes precautions that should be observed to prevent danger of injury or death to the user.

⚠️ Caution:
- Describes precautions that should be observed to prevent damage to the unit.

Symbols used in the illustrations

**: Indicates a part which must be grounded.

⚠️ Warning:
- The unit must not be installed by the user. Ask the dealer or an authorized company to install the unit. If the unit is installed improperly, water leakage, electric shock or fire may result.
- Do not stand on, or place any items on the unit.
- Do not splash water over the unit and do not touch the unit with wet hands. An electric shock may result.
- Do not spray combustible gas close to the unit. Fire may result.
- Do not place a gas heater or any other open-flame appliance where it will be exposed to the air discharged from the unit. Incomplete combustion may result.
- Do not remove the front panel or the fan guard from the outdoor unit when it is running.

⚠️ Caution:
- Do not use any sharp object to push the buttons, as this may damage the remote controller.
- Never block or cover the indoor or outdoor unit’s intakes or outlets.

Disposing of the unit

When you need to dispose of the unit, consult your dealer.

2. Parts Names

### Indoor Unit

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### Outdoor Unit

- Power
- Service Panel
- Ref. Pipes
- Indoor-Outdoor Connection-Outdoor Connection wire
- Earth

- Ceiling Concealed

- PEA-RP·EA

2. Parts Names

### Display Section

#### Wired Remote-Controller

For purposes of this explanation, all parts of the display are shown as lit. During actual operation, only the relevant items will be lit.

**Day-of-Week**
- Shows the current day of the week.

**Time/Timer Display**
- Shows the current time, unless the simple or Auto Off timer is set. If the simple or Auto Off timer is set, shows the time remaining.

**“Sensor” indication**
- Displayed when the remote controller sensor is used.

**“Locked” indicator**
- Indicates that remote controller buttons have been locked.

**Clean The Filter” indicator**
- Comes on when it is time to clean the filter.

**Timer indicators**
- The indicator comes on if the corresponding timer is set.

**Room Temperature display**
- Shows the room temperature. The room temperature display range is 8–39°C. The display flashes if the temperature is less than 8°C or 39°C or more.

**Louver display**
- Indicates the action of the swing louver. Does not appear if the louver is stationary.

**(Power On indicator)**
- Indicates that the power is on.

**Operation Section**

**Set Temperature buttons**
- Down
- Up

**Timer Menu button** (Monitor/Set button)

**Mode button** (Return button)

**Set Time buttons**
- Back
- Ahead

**Timer On/Off button** (Set Day button)

**Opening the door.**

**Note:**
- *PLEASE WAIT* message
  - This message is displayed for approximately 3 minutes when power is supplied to the indoor unit or when the unit is recovering from a power failure.
- *NOT AVAILABLE* message
  - This message is displayed if a button is pressed to operate a function that the indoor unit does not have.

If a single remote controller is used to simultaneously operate multiple indoor units that are different models, this message will not be displayed if any of the indoor units is equipped with the function.
3. Screen Configuration

<Screen Types>
For details on setting the language for the remote controller display, refer to section 8. Function Selection.
The initial language setting is English.
- Function Selection of remote controller:
  - Set the functions and ranges available to the remote controller (timer functions, operating restrictions, etc.)
- Set Day/Time:
  - Set the current day of the week or time.
- Standard Control Screens:
  - View and set the air conditioning system’s operating status
- Timer Monitor:
  - View the currently set timer (weekly timer, simple timer, or Auto Off timer)
- Timer Setup:
  - Set the operation of any of the timers (weekly timer, simple timer, or Auto Off timer).

<How to change the screen>
- A: Hold down both the Mode button and the Timer On/Off button for 2 seconds.
- B: Press the Timer Menu button.
- C: Press the Mode (Return) button.
- D: Press either of the Set Time buttons ( or ).

4. Setting the Day of the Week and Time

5. Operation

5.1. Turning ON/OFF

<To Start Operation>
- Press the ON/OFF button 1.
  - The ON lamp 1 and the display area come on.
  - The day and time will not appear if clock use has been disabled at Function Selection of remote controller.

<To Stop Operation>
- Press the ON/OFF button 1 again.
  - The ON lamp 1 and the display area go dark.
  - Even if you press the ON/OFF button immediately after shutting down the operation is progress, the air conditioner will not start for about three minutes.
  - This is to prevent the internal components from being damaged.
5. Operation

5.2. Mode select

- Press the operation mode (Cooling mode, Drying mode, Fan mode, Heating mode, Automatic (cooling/heating) mode) button and select the operation mode.

Information for multi system air conditioner (Outdoor unit: MXZ series)

- Multi system air conditioner (Outdoor unit: MXZ series) can connect two or more indoor units with one outdoor unit. According to the capacity, two or more units can operate simultaneously.
  - When you try to operate two or more indoor units with one outdoor unit simultaneously, one for the cooling and the other for heating, the operation mode of the indoor unit that operates earlier is selected. The other indoor units that will start the operation later cannot operate, indicating an operation state in flashing. In this case, please set all the indoor units to the same operation mode.
  - There might be a case that the indoor unit, which is operating in (AUTO) mode, cannot change over to the operating mode (COOL ↔ HEAT) and becomes a state of standby.
  - When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. about 15 minutes) to blow out the warm air.
  - In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

Automatic operation

- According to a set temperature, cooling operation starts if the room temperature is too hot and heating operation starts if the room temperature is too cold.
- During automatic operation, if the room temperature changes and remains 2 °C or more above the set temperature for 15 minutes, the air conditioner switches to cooling mode. In the same way, if the room temperature remains 2 °C or more below the set temperature for 15 minutes, the air conditioner switches to heating mode.
- Because the room temperature is automatically adjusted in order to maintain a fixed effective temperature, cooling operation is performed a few degrees warmer and heating operation is performed a few degrees cooler than the set room temperature once the temperature is reached (automatic energy-saving operation).

5.3. Temperature setting

- To decrease the room temperature:
  - Press the operation mode (Cooling mode, Drying mode, Fan mode, Heating mode, Automatic (cooling/heating) mode) button and select the operation mode.
  - The selected temperature is displayed.

- To increase the room temperature:
  - Press the operation mode (Cooling mode, Drying mode, Fan mode, Heating mode, Automatic (cooling/heating) mode) button and select the operation mode.
  - The selected temperature is displayed.

  - Available temperature ranges are as follows:
    - Cooling/Drying: 19 - 30 °C
    - Heating: 17 - 28 °C
    - Automatic: 19 - 28 °C
  - The display flashes either 8 °C - 39 °C to inform you if the room temperature is lower or higher than the displayed temperature.

5.4. Fan speed setting

- Press the Fan Speed button as many times as necessary while the system is running.
  - Each press changes the force. The currently selected speed is shown at 1.
  - The change sequence, and the available settings, are as follows.

5.5. Ventilation

- For LOISSNAY combination

5.5.1. For Wired Remote-controller

- To run the ventilator together with the indoor unit:
  - The Vent indication appears on the screen (at 1). The ventilator will now automatically operate whenever the indoor unit is running.

- To run the ventilator independently:
  - Press the Mode button until appears on the display. This will cause the ventilator to start.

- To change the ventilator force:
  - Press the Ventilation button as necessary.
  - Each press toggles the setting, as shown below.

Note:

- The number of available fan speeds depends on the type of unit connected.
- Note also that some units do not provide an “Auto” setting.
- In the following cases, the actual fan speed generated by the unit will differ from the speed shown the remote controller display.
  1. White the display is showing “STAND BY” or “DEFROST”.
  2. When the temperature of the heat exchanger is low in the heating mode. (e.g. immediately after heating operation starts)
  3. In HEAT mode, when room temperature is higher than the temperature setting.
  4. When the unit is in DRY mode.
6. Timer

6.1. For Wired Remote-controller
You can use Function Selection of remote controller to select which of three types of timer to use: ① Weekly timer, ② Simple timer, or ③ Auto Off timer.

6.1.1. Weekly Timer

The weekly timer can be used to set up to eight operations for each day of the week.

• Each operation may consist of any of the following: ON/OFF time together with a temperature setting, or ON/OFF time only, or temperature setting only.

• When the current time reaches a time set at this timer, the air conditioner carries out the action set by the timer.

Time setting resolution for this timer is 1 minute.

Note:

1. Weekly Timer/Simple Timer/Auto Off Timer cannot be used at the same time.

2. The weekly timer will not operate when any of the following conditions is in effect.

The timer feature is off; the system is in an malfunction state; a test run is in progress; the remote controller is undergoing self-check or remote controller check; the user is in the process of setting a function; the user is in the process of setting the timer; the air conditioner is in the process of stopping the current day of the week or time; the system is under central control. (Specifically, the system will not carry out operations (unit on, unit off, or temperature setting) that are prohibited during these conditions.)

<How to Set the Weekly Timer>

1. Be sure that you are at a standard control screen, and that the weekly timer indicator is shown in the display.

2. Press the Timer Menu button, so that the “Set Up” appears on the screen (at ).

(Note that each press of the button toggles the display between “Set Up” and “Monitor.”)

3. Press the Timer On/Off (Set Day) button to set the day. Each press advances the display at the next setting, in the following sequence: “Sun Mon Tues Wed Thurs Fri Sat” → “Sun” → “Mon” → “Tues” → “Wed” → “Thurs” → “Fri” → “Sat” → “Sun Mon Tues Wed Thurs Fri Sat”...

4. Press the Timer (Set Operation) button or to select the desired operation number (1 to 8).

* Your inputs at Steps 3 and 4 will select one of the cells from the matrix illustrated below.

(The remote-controller display at left shows how the display would appear when setting Operation 1 for Sunday to the values indicated below.)

<Setting the Weekly Timer>

By setting the day to “Sun Mon Tues Wed Thurs Fri Sat”, you can set the same operation to be carried out at the same time every day.

(Example: Operation 2 above, which is the same for all days of the week.)

5. Press the appropriate Set Time button as necessary to set the desired time (at ).

* As you hold the button down, the time first increments in minute intervals, then in ten-minute intervals, and then in one-hour intervals.

6. Press the ON/OFF button to select the desired operation (ON or OFF), at .

* Each press changes the next setting, in the following sequence: No display (no setting) → “ON” → “OFF”

7. Press the appropriate Set Temperature button to set the desired temperature (at ).

* Each press changes the setting, in the following sequence: No display (no setting) → 24 → 23 → 22 → 21 → 20 → 19 → 18 → 17 → 16 → 15 → 14 → 13 → 12 → 11 → 10 → 9 → 8 → 7 → 6 → 5 → 4 → 3 → 2 → 1 → 0 → No display.

(Available range: The range for the setting is 12 °C to 30 °C. The actual range over which the temperature can be controlled, however, will vary according to the type of the connected unit.)

8. After making the appropriate settings at Steps 5, 6 and 7, press the Filter button to lock in the values.

To clear the currently set values for the selected operation, press and quickly release the Check (Clear) button.

* The displayed time setting will change to “—” — “—”, and the On/Off and temperature settings will all disappear.

(To clear all weekly timer settings at once, hold down the Check (Clear) button for two seconds or more. The display will begin flashing, indicating that all settings have been cleared.)

Note:

Your new entries will be cancelled if you press the Mode (Return) button before pressing the Filter button.

If you have set two or more different operations for exactly the same time, only the operation with the highest Operation No. will be carried out.

9. Repeat Steps 3 to 8 as necessary to fill as many of the available cells as you wish.

10. Press the mode (Return) button to return to the standard control screen and complete the setting procedure.

11. To activate the timer, press the Timer On/Off button, so that the “Timer Off” indication disappears from the screen. Be sure that the “Timer Off” indication is no longer displayed.

If there are no timer settings, the “Timer Off” indication will flash on the screen.

<How to View the Weekly Timer Settings>

1. Be sure that the weekly timer indicator is visible on the screen (at ).

2. Press the Timer Menu button so that “Monitor” is indicated on the screen (at ).

3. Press the Timer On/Off (Set Day) button to select the day you wish to view.

4. Press the or Operation button or as necessary to change the timer operation shown on the display (at ).

* Each press will advance to the next timer operation, in order of time setting.

5. To close the monitor and return to the standard control screen, press the Mode (Return) button.
6. Timer

〈To Turn Off the Weekly Timer〉
Press the Timer On/Off button ① so that "Timer Off" appears at ③.

〈To Turn On the Weekly Timer〉
Press the Timer On/Off button ① so that the "Timer On" indication (at ③) goes dark.

6.1.2. Simple Timer
You can set the simple timer in any of three ways.
- Start time only:
  - The air conditioner starts when the set time has elapsed.
- Stop time only:
  - The air conditioner stops when the set time has elapsed.
- Start & stop times:
  - The air conditioner starts and stops at the respective elapsed times.

〈How to Set the Simple Timer〉

1. Be sure that you are at a standard control screen, and that the simple timer indicator is visible on the screen (at ③). When something other than the Simple Timer is displayed, set it to SIMPLE TIMER using the function selection of remote controller (see 8.4 [3] Simple Timer function setting.
2. Press the Timer Menu button ③, so that the "Set Up" appears on the screen (at ③). (Note that each press of the button toggles the display between "Set Up" and "Monitor").
3. Press the ON/OFF button ① to display the current ON or OFF simple timer setting. Press the button once to display the time remaining to ON, and then again to display the time remaining to OFF. (The ON/OFF indication appears at ③.)
   - "ON" time:
     - The air conditioner will start operation when the specified number of hours has elapsed.
   - "OFF" time:
     - The air conditioner will stop operation when the specified number of hours has elapsed.

4. With "ON" or "OFF" showing at ③, press the appropriate Set Time button ④ as necessary to set the hours to ON (if "ON" is displayed) or the hours to OFF (if "OFF" is displayed) at ③. Available Range: 1 to 72 hours
5. To set both the ON and OFF times, repeat Steps 3 and 4.
   - Note that ON and OFF times cannot be set to the same value.
6. To clear the current ON or OFF setting: Display the ON or OFF setting (see step 3) and then press the Check (Clear) button ⑤ so that the time setting clears to "—" at ③. (If you want to use only an ON setting or only an OFF setting, be sure that the setting you do not wish to use is shown as "—")
7. After completing steps 3 to 6 above, press the Filter ⑥ button ⑦ to lock in the value.

Note:
Your new settings will be cancelled if you press the Mode (Return) button ② before pressing the Filter ⑥ button ⑦.

8. Press the Mode (Return) button ② to return to the standard control screen.
9. Press the Timer On/Off button ① to start the timer countdown. When the timer is running, the timer value is visible on the display. Be sure that the timer value is visible and appropriate.

〈Viewing the Current Simple Timer Settings〉

1. Be sure that the simple timer indicator is visible on the screen (at ③).
2. Press the Timer Menu button ③, so that the "Monitor" appears on the screen (at ③).
   - If the ON or OFF simple timer is running, the current timer value will appear at ③.
   - If ON and OFF values have both been set, the two values appear alternately.
3. Press the Mode (Return) button ② to close the monitor display and return to the standard control screen.

〈To Turn Off the Simple Timer〉
Press the Timer On/Off button ① so that the timer setting no longer appears on the screen (at ③).

〈To Turn On the Simple Timer〉
Press the Timer On/Off button ① so that the timer setting becomes visible at ③.
6. Timer

Examples
If ON and OFF times have both been set at the simple timer, operation and display are as indicated below.

Example 1:
Start the timer, with ON time set sooner than OFF time
ON Setting: 3 hours
OFF Setting: 7 hours

Example 2:
Start the timer, with OFF time is sooner than ON time
ON Setting: 5 hours
OFF Setting: 2 hours

6.1.3. Auto Off Timer
This timer begins countdown when the air conditioner starts, and shuts the air conditioner off when the set time has elapsed.

Note:
1. Weekly Timer/Simple Timer/Auto Off Timer cannot be used at the same time.
2. Hold down the Timer Menu button for 3 seconds, so that the “Set Up” appears on the screen (at 3).
   (Note that each press of the button toggles the display between “Set Up” and “Monitor”.
3. Press the appropriate Set Time button as necessary to set the OFF time (at 3).
4. Press the Filter button to lock in the setting.

Note:
Your entry will be cancelled if you press the Mode (Return) button before pressing the Filter button.

5. Press the Mode (Return) button to complete the setting procedure and return to the standard control screen.

6. If the air conditioner is already running, the timer starts countdown immediately. Be sure to check that the timer setting appears correctly on the display.

<Checking the Current Auto Off Timer Setting>

1. Be sure that the “Auto Off” is visible on the screen (at 3).
2. Hold down the Timer Menu button for 3 seconds, so that “Monitor” is indicated on the screen (at 3).

3. To close the monitor and return to the standard control screen, press the Mode (Return) button.

<To Turn Off the Auto Off Timer…>

Hold down the Timer On/Off button for 3 seconds, so that “Timer Off” appears (at 3) and the timer value (at 3) disappears.

Alternatively, turn off the air conditioner itself. The timer value (at 3) will disappear from the screen.

<To Turn On the Auto Off Timer…>

Hold down the Timer On/Off button for 3 seconds. The “Timer Off” indication disappears (at 3), and the timer setting comes on the display (at 3). Alternatively, turn on the air conditioner. The timer value will appear at 3.
7. Other Functions

7.1. Locking the Remote Controller Buttons (Operation function limit controller)

If you wish, you can lock the remote controller buttons. You can use the Function Selection of remote controller to select which type of lock to use. (For information about selecting the lock type, see section 8, item [4]–2 (1)). Specifically, you can use either of the following two lock types.

1. Lock All Buttons:
   Locks all of the buttons on the remote controller.
2. Lock All Except ON/OFF:
   Locks all buttons other than the ON/OFF button.

Note:
The “Locked” indicator appears on the screen to indicate that buttons are currently locked.

-How to Lock the Buttons-
1. While holding down the Filter button ④, press and hold down the ON/OFF button ① for 2 seconds. The “Locked” indication appears on the screen (at ④), indicating that the lock is now engaged.
   * If locking has been disabled in Function Selection of remote controller, the screen will display the “Not Available” message when you press the buttons as described above.

-How to Unlock the Buttons-
1. While holding down the Filter button ④, press and hold down the ON/OFF button ① for 2 seconds—so that the “Locked” indication disappears from the screen (at ④).

7.2. Error Codes indication

-ON lamp (Flashing)-
1. If only the error code is flashing (while the ON lamp remains lit): Operation is continuing, but there may be a problem with the system. In this case, you should note down the error code and then call your dealer or servicer for advice.

Error Code

When the Check button is pressed:

-If only the error code is flashing (while the ON lamp remains lit): Operation is continuing, but there may be a problem with the system. In this case, you should note down the error code and then call your dealer or servicer for advice.

* If you have entered contact number to be called in the event of a problem, push the Check button to display it on the screen. (You can set this up under Function Selection of remote controller. For information, refer to section 8.)
8. Function Selection

Function selection of remote controller
The setting of the following remote controller functions can be changed using the remote controller function selection mode. Change the setting when needed.

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8. Function Selection

Function selection flowchart
Setting language (English)

Hold down the button and press the button for 2 seconds.

1. Press the operation mode button.
2. Press the TIMER MENU button.
3. Press the TIMER ON/OFF button.

Remote controller function selection mode

Change Language

Function selection

Mode selection

Display mode setting

Normal display
(Display when the air condition is not running)

Operation lock setting is not used.
(Initial setting value)
Operation lock setting is except On/Off button.
Operation lock setting is All buttons.
The automatic mode is displayed when the operation mode is selected.
(Initial setting value)
The automatic mode is not displayed when the operation mode is selected.
The temperature range limit is not active.
(Initial setting value)
The temperature range can be changed on cooling/dry mode.
The temperature range can be changed on heating mode.
The temperature range can be changed on automatic mode.
The remote controller will be the main controller.
(Initial setting value)
The remote controller will be the sub controller.
The clock function can be used.
(Initial setting value)
The clock function can not be used.
Weekly timer can be used.
(Initial setting value)
Auto off timer can be used.
Simple timer can be used.
Timer mode can not be used.
The set contact numbers are not displayed in case of error.
(Initial setting value)
The set contact numbers are displayed in case of error.
The temperature unit °C is used.
(Initial setting value)
The temperature unit °F is used.
Room air temperature is displayed.
(Initial setting value)
Room air temperature is not displayed.
One of “Automatic cooling” and “Automatic heating” is displayed under the automatic mode is running.
(Initial setting value)
Only “Automatic” is displayed under the automatic mode.

Room air temperature is not displayed.

One of “Automatic cooling” and “Automatic heating” is displayed under the automatic mode is running.
(Initial setting value)
Only “Automatic” is displayed under the automatic mode.

Normal display
(Display when the air condition is not running)
8. Function Selection

[Detailed setting]

[4]-1. CHANGE LANGUAGE setting
The language that appears on the dot display can be selected.

• Press the [MENU] button ① to change the language.
  ① English (GB), ② German (D), ③ Spanish (E), ④ Russian (RU),
  ⑤ Italian (I), ⑥ Chinese (CH), ⑦ French (F), ⑧ Japanese (JP)
Refer to the dot display table.

[4]-2. Function limit

(1) Operation function limit setting (operation lock)
• To switch the setting, press the [① ON/OFF] button ③.
  ① no1: Operation lock setting is made on all buttons other than the
      [① ON/OFF] button.
  ② no2: Operation lock setting is made on all buttons.
• To switch the operation lock setting valid on the normal screen, it is
  necessary to press buttons (Press and hold down the [FILTER] and
  [① ON/OFF] buttons at the same time for two seconds.) on the
  normal screen after the above setting is made.

(2) Use of automatic mode setting
When the remote controller is connected to the unit that has automatic
operation mode, the following settings can be made.
• To switch the setting, press the [① ON/OFF] button ③.
  ① ON (Initial setting value): The automatic mode is displayed when the operation mode is
      selected.
  ② OFF: The automatic mode is not displayed when the operation mode is
      selected.

(3) Temperature range limit setting
    After this setting is made, the temperature can be changed within the
    set range.
• To switch the setting, press the [① ON/OFF] button ③.
  ① LIMIT TEMP COOL MODE:
      The temperature range can be changed on cooling/dry mode.
  ② LIMIT TEMP HEAT MODE:
      The temperature range can be changed on heating mode.
  ③ LIMIT TEMP AUTO MODE:
      The temperature range can be changed on automatic mode.
  ④ OFF (initial setting): The temperature range limit is not active.
    When the setting, other than OFF, is made, the temperature range
    limit setting on cooling, heating and automatic mode is made at the
    same time. However, the range cannot be limited when the set
    temperature range has not changed.
• To increase or decrease the temperature, press the [① TEMP] (△)
  or (△) button ③.
• To switch the upper limit setting and the lower limit setting, press the
  [①△] button ③. The selected setting will flash and the temperature
  can be set.
  Settable range
  Cooling/Dry mode:
    Lower limit: 19℃ ~ 30℃ Upper limit: 30℃ ~ 19℃
  Heating mode:
    Lower limit: 17℃ ~ 28℃ Upper limit: 28℃ ~ 17℃
  Automatic mode:
    Lower limit: 19℃ ~ 28℃ Upper limit: 28℃ ~ 19℃

[4]-3. Mode selection setting

(1) Remote controller main/sub setting
• To switch the setting, press the [① ON/OFF] button ③.
  ① Main: The controller will be the main controller.
  ② Sub: The controller will be the sub controller.

(2) Use of clock setting
• To switch the setting, press the [① ON/OFF] button ③.
  ① ON: The clock function can be used.
  ② OFF: The clock function cannot be used.

(3) Timer function setting
• To switch the setting, press the [① ON/OFF] button ③ (Choose one of
  the followings.).
  ① WEEKLY TIMER (initial setting value): The weekly timer can be used.
  ② AUTO OFF TIMER: The auto off timer can be used.
  ③ SIMPLE TIMER: The simple timer can be used.
  ④ TIMER MODE OFF: The timer mode cannot be used.
    When the use of clock setting is OFF, the ‘WEEKLY TIMER’ cannot
    be used.

(4) Contact number setting for error situation
• To switch the setting, press the [① ON/OFF] button ③.
  ① CALL OFF: The set contact numbers are not displayed in case of error.
  ② CALL: The set contact numbers are displayed in case of error.
       CALL: The contact number can be set when the display is as shown on
       the left.
• Setting the contact numbers
    To set the contact numbers, follow the following procedures.
    Move the flashing cursor to set numbers. Press the [① TEMP],
    (△) and (△) button ③ to move the cursor to the right (left). Press
    the [① CLOCK] (△) and (△) button ③ to set the numbers.

[4]-4. Display change setting

(1) Temperature display "C/F" setting
• To switch the setting, press the [① ON/OFF] button ③.
  ① °C: The temperature unit °C is used.
  ② °F: The temperature unit °F is used.

(2) Suction air temperature display setting
• To switch the setting, press the [① ON/OFF] button ③.
  ① ON: The suction air temperature is displayed.
  ② OFF: The suction air temperature is not displayed.

(3) Automatic cooling/heating display setting
• To switch the setting, press the [① ON/OFF] button ③.
  ① ON: One of “Automatic cooling” and “Automatic heating” is displayed
    under the automatic mode is running.
  ② OFF: Only “Automatic” is displayed under the automatic mode.
## 8. Function Selection

### Selecting language

<table>
<thead>
<tr>
<th>English</th>
<th>Germany</th>
<th>Spanish</th>
<th>Russian</th>
<th>Italy</th>
<th>Chinese</th>
<th>French</th>
<th>Japanese</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHANGE LANGUAGE</td>
<td>CHANGE LANGUAGE</td>
<td>CHANGE LANGUAGE</td>
<td>CHANGE LANGUAGE</td>
<td>CHANGE LANGUAGE</td>
<td>CHANGE LANGUAGE</td>
<td>CHANGE LANGUAGE</td>
<td>CHANGE LANGUAGE</td>
</tr>
</tbody>
</table>

### Selecting language

<table>
<thead>
<tr>
<th>Function selection</th>
<th>ENGLISH</th>
<th>DEUTSCH</th>
<th>ESPAÑOL</th>
<th>РУССКИЙ</th>
<th>ITALIANO</th>
<th>CHINO</th>
<th>FRANÇAIS</th>
<th>日本語</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAND BY</td>
<td>STAND BY</td>
<td>STAND BY</td>
<td>STAND BY</td>
<td>STAND BY</td>
<td>STAND BY</td>
<td>STAND BY</td>
<td>STAND BY</td>
<td>STAND BY</td>
</tr>
</tbody>
</table>

### Setting the day of the week and time

<table>
<thead>
<tr>
<th>TIME SET</th>
<th>WEEKLY</th>
<th>DAYTIME</th>
<th>AUTO</th>
<th>SIMPLE</th>
<th>CONTACT</th>
<th>CALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM / PM</td>
<td>ON / OFF</td>
<td>MONDAY</td>
<td>START TIME</td>
<td>END TIME</td>
<td>NUMBER</td>
<td></td>
</tr>
</tbody>
</table>

### Display change

<table>
<thead>
<tr>
<th>DISPLAY</th>
<th>TEMPERATURE</th>
<th>TIME</th>
<th>MODE</th>
<th>ERROR</th>
<th>HELP</th>
</tr>
</thead>
<tbody>
<tr>
<td>°C / °F</td>
<td>°C / °F</td>
<td>°C / °F</td>
<td>°C / °F</td>
<td>°C / °F</td>
<td>°C / °F</td>
</tr>
</tbody>
</table>

### Temperature display

<table>
<thead>
<tr>
<th>TEMPERATURE</th>
<th>°C</th>
<th>°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>°C</td>
<td>°F</td>
<td>°C</td>
</tr>
</tbody>
</table>

### Room air temperature display setting

<table>
<thead>
<tr>
<th>ROOM TEMP SELECT</th>
<th>ROOM TEMP AUTO</th>
<th>OUTSIDE TEMP SELECT</th>
<th>OUTSIDE TEMP AUTO</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEMP</td>
<td>TEMP</td>
<td>TEMP</td>
<td>TEMP</td>
</tr>
</tbody>
</table>

### Automatic cool/heating display setting

<table>
<thead>
<tr>
<th>AUTO COOL</th>
<th>AUTO HEAT</th>
<th>AUTO COOL</th>
<th>AUTO HEAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEMP</td>
<td>TEMP</td>
<td>TEMP</td>
<td>TEMP</td>
</tr>
</tbody>
</table>
9. Care and Cleaning

The indication is not available for wireless remote controller.

- 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.

Note:
- When two or more different types of indoor unit are controlled, the cleaning period differs with the type of filter. When the master unit cleaning period arrives, "FILTER" is displayed. When the filter display goes off, the cumulative time is reset.
- "FILTER" indicates the cleaning period when the air conditioner was used under general indoor air conditions by criteria time. Since the degree of dirtiness depends on the environmental conditions, clean the filter accordingly.
- The filter cleaning period cumulative time differs with the model.
- This indication is not available for wireless remote controller.

Cleaning the filters
- Clean the filters using a vacuum cleaner. If you do not have a vacuum cleaner, tap the filters against a solid object to knock off dirt and dust.
- If the filters are especially dirty, wash them in lukewarm water. Take care to rinse off any detergent thoroughly and allow the filters to dry completely before putting them back into the unit.

10. Trouble Shooting

<table>
<thead>
<tr>
<th>Having trouble?</th>
<th>Here is the solution. (Unit is operating normally.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air conditioner does not heat or cool well.</td>
<td>■ Clean the filter. (Airflow is reduced when the filter is dirty or clogged.)</td>
</tr>
<tr>
<td></td>
<td>■ Check the temperature adjustment and adjust the set temperature.</td>
</tr>
<tr>
<td></td>
<td>■ Make sure that there is plenty of space around the outdoor unit. Is the indoor unit air intake or outlet blocked?</td>
</tr>
<tr>
<td></td>
<td>■ Has a door or window been left open?</td>
</tr>
<tr>
<td>When heating operation starts, warm air does not blow from the indoor unit.</td>
<td>■ Warm air does not blow until the indoor unit has sufficiently warmed up.</td>
</tr>
<tr>
<td></td>
<td>■ When the outdoor temperature is low and the humidity is high, frost may form on the outdoor unit. If this occurs, the outdoor unit performs a defrosting operation. Normal operation should begin after approximately 10 minutes.</td>
</tr>
<tr>
<td>During heating mode, the air conditioner stops before the set room temperature is reached.</td>
<td>■ When the outdoor temperature is low and the humidity is high, frost may form on the outdoor unit. If this occurs, the outdoor unit performs a defrosting operation. Normal operation should begin after approximately 10 minutes.</td>
</tr>
<tr>
<td></td>
<td>■ If the indoor temperature and the humidity are high, this condition may occur when operation starts.</td>
</tr>
<tr>
<td></td>
<td>■ During defrosting mode, cool airflow may blow down and appear like mist.</td>
</tr>
<tr>
<td>A flowing water sound or occasional hissing sound is heard.</td>
<td>■ These sounds can be heard when refrigerant is flowing in the air conditioner or when the refrigerant flow is changing.</td>
</tr>
<tr>
<td>A cracking or creaking sound is heard.</td>
<td>■ These sounds can be heard when parts rub against each due to expansion and contraction from temperature changes.</td>
</tr>
<tr>
<td>The room has an unpleasant odor.</td>
<td>■ The indoor unit draws in air that contains gases produced from the walls, carpeting, and furniture as well as odors trapped in clothing, and then blows this air back into the room.</td>
</tr>
<tr>
<td>A white mist or vapor is emitted from the indoor unit.</td>
<td>■ If the indoor temperature and the humidity are high, this condition may occur when operation starts.</td>
</tr>
<tr>
<td></td>
<td>■ During defrosting mode, cool airflow may blow down and appear like a mist.</td>
</tr>
<tr>
<td>Water or vapor is emitted from the outdoor unit.</td>
<td>■ During cooling mode, water may form and drip from the cool pipes and joints.</td>
</tr>
<tr>
<td></td>
<td>■ During heating mode, water may form and drip from the heat exchanger.</td>
</tr>
<tr>
<td></td>
<td>■ During defrosting mode, water on the heat exchanger evaporates and water vapor may be emitted.</td>
</tr>
<tr>
<td>The operation indicator does not appear in the remote controller display.</td>
<td>■ During central control, &quot;FILTER&quot; appears in the remote controller display and air conditioner operation cannot be started or stopped using the remote controller.</td>
</tr>
<tr>
<td>■ appears in the remote controller display.</td>
<td>■ Turn on the power switch. &quot;FILTER&quot; will appear in the remote controller display.</td>
</tr>
<tr>
<td>When restarting the air conditioner soon after stopping it, it does not operate even though the ON/OFF button is pressed.</td>
<td>■ Wait approximately three minutes. (Operation has stopped to protect the air conditioner.)</td>
</tr>
</tbody>
</table>

Caution:
- Do not dry the filters in direct sunlight or by using a heat source, such as an electric heater: this may warp them.
- Do not wash the filters in hot water (above 50°C), as this may warp them.
- Make sure that the air filters are always installed. Operating the unit without air filters can cause malfunction.

Note:
- To make sure that there is plenty of space around the outdoor unit. Is the indoor unit air intake or outlet blocked?
- Has a door or window been left open?
- When the outdoor temperature is low and the humidity is high, frost may form on the outdoor unit. If this occurs, the outdoor unit performs a defrosting operation. Normal operation should begin after approximately 10 minutes.
- If the indoor temperature and the humidity are high, this condition may occur when operation starts.
- During defrosting mode, cool airflow may blow down and appear like a mist.
- Turn on the power switch. "FILTER" will appear in the remote controller display.
- Wait approximately three minutes. (Operation has stopped to protect the air conditioner.)
10. Trouble Shooting

<table>
<thead>
<tr>
<th>Having trouble?</th>
<th>Here is the solution. (Unit is operating normally.)</th>
</tr>
</thead>
</table>
| Air conditioner operates without the ON/OFF button being pressed. | Is the on timer set?  
Press the ON/OFF button to stop operation.  
Is the air conditioner connected to a central remote controller?  
Consult the concerned people who control the air conditioner.  
Does "*" appear in the remote controller display?  
Consult the concerned people who control the air conditioner.  
Has the auto recovery feature from power failures been set?  
Press the ON/OFF button to stop operation. |
| Air conditioner stops without the ON/OFF button being pressed. | Is the off timer set?  
Press the ON/OFF button to restart operation.  
Is the air conditioner connected to a central remote controller?  
Consult the concerned people who control the air conditioner.  
Does "*" appear in the remote controller display?  
Consult the concerned people who control the air conditioner. |
| Remote controller timer operation cannot be set. | Are timer settings invalid?  
If the timer can be set, "WEEKLY", "SIMPLE", or "AUTO OFF" appears in the remote controller display. |
| "PLEASE WAIT" appears in the remote controller display. | The initial settings are being performed. Wait approximately 3 minutes. |
| An error code appears in the remote controller display. | The protection devices have operated to protect the air conditioner.  
Do not attempt to repair this equipment by yourself.  
Turn off the power switch immediately and consult your dealer. Be sure to provide the dealer with the model name and information that appeared in the remote controller display. |
| Draining water or motor rotation sound is heard. | When cooling operation stops, the drain pump operates and then stops.  
Wait approximately 3 minutes. |
| Noise is louder than specifications. | The indoor operation sound level is affected by the acoustics of the particular room as shown in the following table and will be higher than the noise specification, which was measured in an echo-free room. |

<table>
<thead>
<tr>
<th>Location examples</th>
<th>Normal rooms</th>
<th>Low sound-absorbing rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broadcast studio, music room, etc.</td>
<td>3 to 7 dB</td>
<td>6 to 10 dB</td>
</tr>
<tr>
<td>Reception room, hotel lobby, etc.</td>
<td>6 to 10 dB</td>
<td>9 to 13 dB</td>
</tr>
</tbody>
</table>

11. Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>PEA-RP71EA</th>
<th>PEA-RP100EA</th>
<th>PEA-RP125EA</th>
<th>PEA-RP140EA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source (voltage &lt;V&gt;/Frequency &lt;Hz&gt;)</td>
<td>~/N 230/50</td>
<td>~/N 230/50</td>
<td>~/N 230/50</td>
<td>~/N 230/50</td>
</tr>
<tr>
<td>Rated Input (Indoor only) &lt;kW&gt;</td>
<td>0.39/0.39</td>
<td>0.44/0.44</td>
<td>0.65/0.65</td>
<td>1.08/1.08</td>
</tr>
<tr>
<td>Rated Current (Indoor only) &lt;A&gt;</td>
<td>1.66/1.66</td>
<td>1.87/1.87</td>
<td>2.76/2.76</td>
<td>4.55/4.55</td>
</tr>
<tr>
<td>HEATER &lt;kW&gt;</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Dimension (Height) &lt;mm&gt;</td>
<td>428</td>
<td>428</td>
<td>428</td>
<td>428</td>
</tr>
<tr>
<td>Dimension (Width) &lt;mm&gt;</td>
<td>785</td>
<td>1055</td>
<td>1255</td>
<td>1415</td>
</tr>
<tr>
<td>Dimension (Depth) &lt;mm&gt;</td>
<td>690</td>
<td>690</td>
<td>690</td>
<td>690</td>
</tr>
<tr>
<td>Fan airflow rate (Low-High) &lt;m³/min&gt;</td>
<td>22-27</td>
<td>27-34</td>
<td>34-42</td>
<td>48-60</td>
</tr>
<tr>
<td>External static pressure &lt;Pa&gt;</td>
<td>125</td>
<td>125</td>
<td>125</td>
<td>125</td>
</tr>
<tr>
<td>Noise level (Low-High) &lt;dB&gt;</td>
<td>52-55</td>
<td>54-58</td>
<td>51-55</td>
<td>51-55</td>
</tr>
<tr>
<td>Net weight &lt;kg&gt;</td>
<td>46</td>
<td>58</td>
<td>72</td>
<td>73</td>
</tr>
</tbody>
</table>

Operating range

<table>
<thead>
<tr>
<th>Indoor air intake temperature</th>
<th>Outdoor air intake temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cooling</strong></td>
<td><strong>Heating</strong></td>
</tr>
<tr>
<td>Maximum</td>
<td>Minimum</td>
</tr>
<tr>
<td>35 °C DB, 22.5 °C WB</td>
<td>19 °C DB, 15 °C WB</td>
</tr>
<tr>
<td>46 °C DB</td>
<td>21 °C DB, 15 °C WB</td>
</tr>
</tbody>
</table>

*1. If optional Air protect guide installed D.B. –15 °C.  
*2. For 100-250 models D.B. ~20 °C, W.B. ~20 °C.
Please be sure to put the contact address/telephone number on this manual before handing it to the customer.