

Mr. SLIM

# Air-Conditioners

Indoor unit

PSA-RP-KA

## OPERATION MANUAL

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

FOR USER

English

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## Note



Fig. 1

This symbol mark is for EU countries only.

This symbol mark is according to the directive 2012/19/EU Article 14 Information for users and Annex IX, and/or to the directive 2006/66/EC Article 20 Information for end-users and Annex II.

Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and/or reused. This symbol means that electrical and electronic equipment, batteries and accumulators, at their end-of-life, should be disposed of separately from your household waste. If a chemical symbol is printed beneath the symbol (Fig. 1), this chemical symbol means that the battery or accumulator contains a heavy metal at a certain concentration.

This will be indicated as follows: Hg: mercury (0,0005%), Cd: cadmium (0,002%), Pb: lead (0,004%)

In the European Union there are separate collection systems for used electrical and electronic products, batteries and accumulators.

Please, dispose of this equipment, batteries and accumulators correctly at your local community waste collection/recycling centre.

Please, help us to conserve the environment we live in!

## Note:

The phrase "Wired remote controller" in this operation manual refers only to the PAR-21MAA.

If you need any information for the PAR-30MAA, please refer to the instruction book included in PAR-30MAA box.

## 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:

- There appliances are not accessible to the general public.
- 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.
- When you notice exceptionally abnormal noise or vibration, stop operation, turn off the power switch, and contact your dealer.
- Never insert fingers, sticks etc. into the intakes or outlets.
- If you detect odd smells, stop using the unit, turn off the power switch and consult your dealer. Otherwise, a breakdown, electric shock or fire may result.
- This air conditioner is NOT intended for use by children or infirm persons without supervision.
- Young children must be supervised to ensure that they do not play with the air conditioner.
- If the refrigeration gas blows out or leaks, stop the operation of the air conditioner, thoroughly ventilate the room, and contact your dealer.
- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliances.
- When installing or relocating, or servicing the air conditioner, use only the specified refrigerant (R410A) to charge the refrigerant lines. Do not mix it with any other refrigerant and do not allow air to remain in the lines.  
If air is mixed with the refrigerant, then it can be the cause of abnormal high pressure in the refrigerant line, and may result in an explosion and other hazards.  
The use of any refrigerant other than that specified for the system will cause mechanical failure or system malfunction or unit breakdown. In the worst case, this could lead to a serious impediment to securing product safety.

#### ⚠ 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

### ■ Wired Remote-Controller

#### Display Section

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

#### Identifies the current operation

Shows the operating mode, etc.  
\* Multi language display is supported.

#### "Centrally Controlled" indicator

Indicates that operation of the remote controller has been prohibited by a master controller.

#### "Timer is Off" indicator

Indicates that the timer is off.

#### Temperature Setting

Shows the target temperature.

#### 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.


#### Fan Speed indicator

Shows the selected fan speed.

#### Ventilation indicator

Appears when the unit is running in Ventilation mode.

#### Up/Down Air Direction indicator

The indicator  shows the direction of the outgoing airflow.

#### Room Temperature display

Shows the room temperature. The room temperature display range is 8 - 39 °C. The display blinks if the temperature is less than 8 °C or 39 °C or more.

#### "One Hour Only" indicator

Displayed if the airflow is set to low and downward during COOL or DRY mode. (Operation varies according to model.)  
The indicator goes off after 1 hour when the airflow direction also changes.

#### 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)

ON/OFF button


Fan Speed button


Filter  button  
(<Enter> button)


Test Run button


Check button (Clear button)

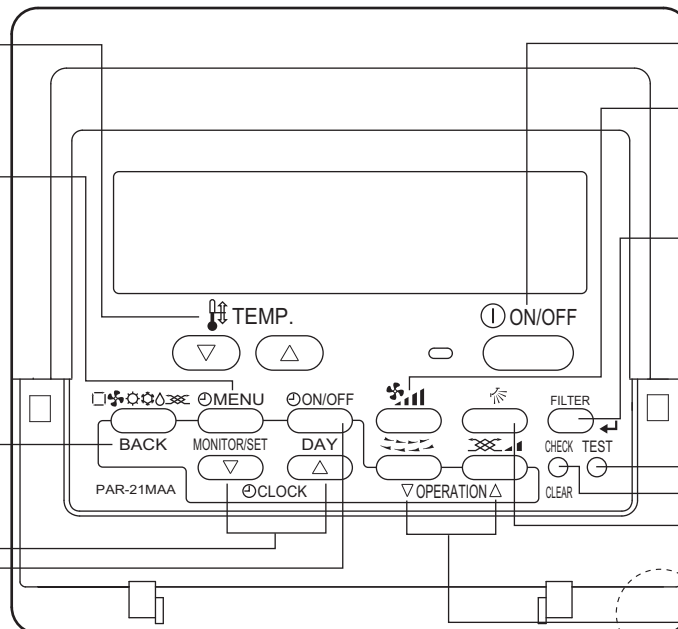
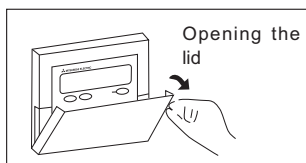
Airflow Up/Down button

Louver button  
( Operation button)

 To return operation number

Ventilation button  
( Operation button)

 To go to next operation number



Built-in temperature sensor

#### Note:

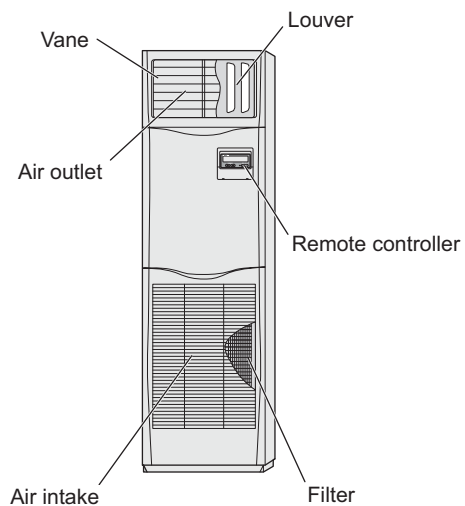
- "PLEASE WAIT" message  
This message is displayed for approximately 3 minutes when power is supplied to the indoor unit or when the unit is recovering from a power failure.
- "NOT AVAILABLE" message  
This message is displayed if a button is pressed to operate a function that the indoor unit does not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

## 2. Parts Names

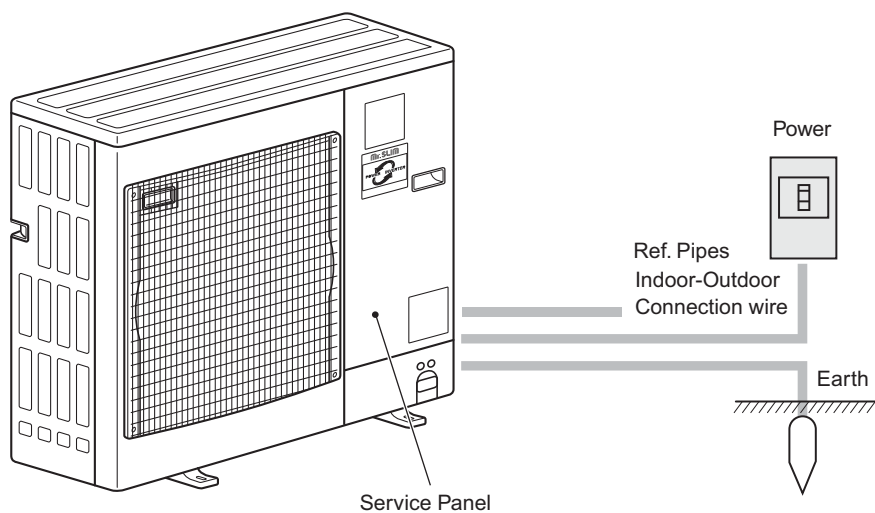
### ■ Indoor Unit

	PSA-RP-KA
Fan speed	3 speeds + Auto
Vane	Manual
Louver	Auto with swing
Filter	Long-life
Filter cleaning indication	2,500 hr

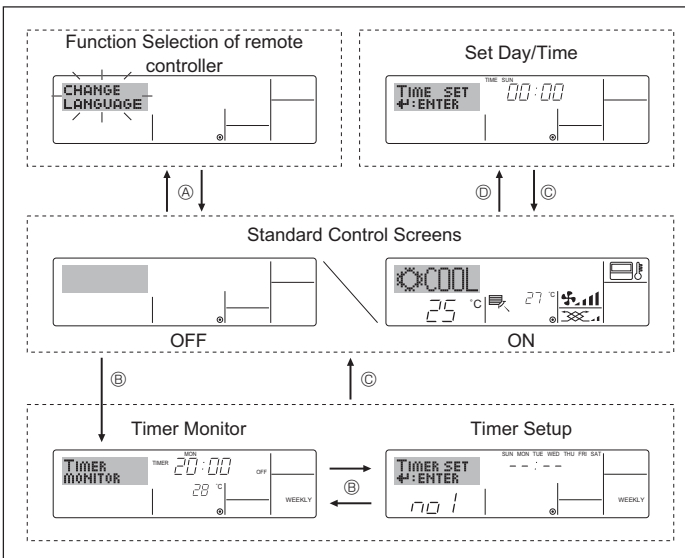
### ■ PSA-RP-KA Floor Standing



### ■ Outdoor unit



### 3. Screen Configuration



#### <Screen Types>

For details on setting the language for the remote controller display, refer to section 8. Function Selection.

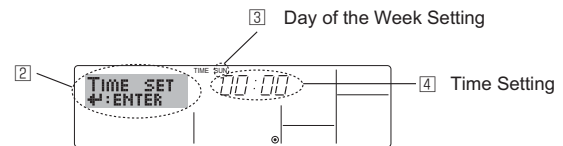
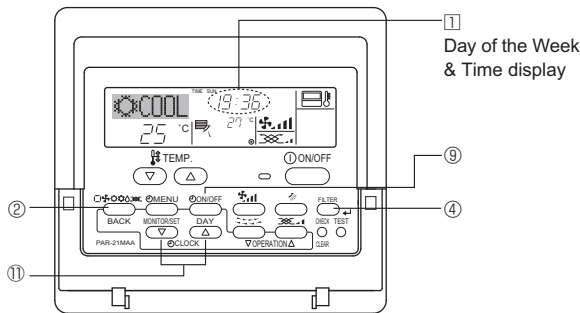
The initial language setting is English.

- **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>

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

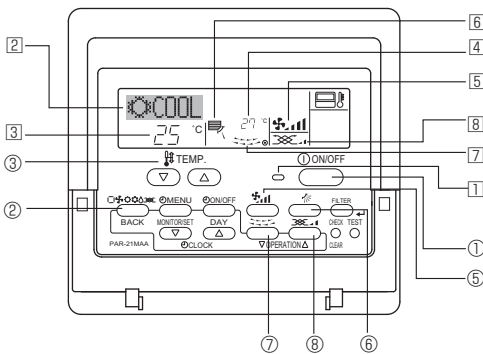
### 4. Setting the Day of the Week and Time



**Note:**  
The day and time will not appear if clock use has been disabled at Function Selection of remote controller.

1. Press the ▾ or ▴ Set Time button ① to show display ②.
2. Press the Timer On/Off (Set Day) button ⑨ to set the day.
  - \* Each press advances the day shown at ③ :  
Sun → Mon → ... → Fri → Sat.
3. Press the appropriate Set Time button ⑩ as necessary to set the time.
  - \* As you hold the button down, the time (at ④) will increment first in one-minute intervals, then in ten-minute intervals, and then in 1-hour intervals.
4. After making the appropriate settings at Steps 2 and 3, press the Filter button ④ to lock in the values.

### 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.

##### <To Stop Operation>

- Press the ON/OFF button ① again.
  - The ON lamp ① and the display area go dark.

**Note:**  
Even if you press the ON/OFF button immediately after shutting down the operation is progress, the air conditioner will not start for about 3 minutes. This is to prevent the internal components from being damaged.

## 5. Operation

### 5.2. Mode select

■ Press the operation mode (□❄️🌀🔥🕒) button ② and select the operation mode ②.

- ❄️ Cooling mode
- 🕒 Drying mode
- 🌀 Fan mode
- 🔥 Heating mode <Only heat pump type>
- Automatic (cooling/heating) mode <Only heat pump type>
- 🌀 Ventilation mode

Only indicated on the following condition  
Wired remote controller used  
LOSSNAY connected

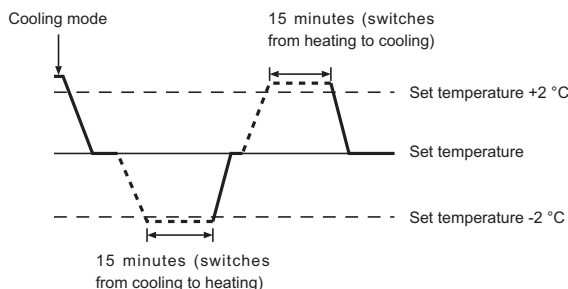
### Information for multi system air conditioner (Outdoor unit: MXZ series)

► Multi system air conditioner (Outdoor unit: MXZ series) can connect two or more indoor units with one outdoor unit. According to the capacity, 2 or more units can operate simultaneously.

- When you try to operate 2 or more indoor units with 1 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 blinking.  
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 ▼ button ③ to set the desired temperature.  
The selected temperature is displayed ③.

► To increase the room temperature:

Press ▲ button ③ to set the desired temperature.  
The selected temperature is displayed ③.

- Available temperature ranges are as follows:  
Cooling/Drying: 19 - 30 °C  
Heating: 17 - 28 °C  
Automatic: 19 - 28 °C
- The display blinks 8 °C or 39 °C to inform you if the room temperature is lower or higher than the displayed temperature.  
(This display does not appear on the wireless remote controller.)

### 5.4. Fan speed setting

■ Press the Fan Speed button ⑤ as many times as necessary while the system is running.

- Each press changes the force. The currently selected speed is shown at ⑤.
- The change sequence, and the available settings, are as follows.



#### Note:

- The number of available fan speeds depends on the type of unit connected.
- In the following cases, the actual fan speed generated by the unit will differ from the speed shown the remote controller display.
  1. While 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.

## 5. Operation

### 5.5. Airflow direction setting

#### <[Manual] To Change the Airflow's Up/Down Direction>

\* The Airflow Up/Down button ⑥ cannot be used.

#### ■ PSA-RP•KA

Hold both ends of the vanes and move them to the desired position. Normally, set the vanes to the horizontal or upward airflow direction for cooling or drying mode, and set the vanes to the downward airflow direction for heating mode.

\* When the airflow direction is adjusted, the uppermost and lowermost vanes do not move together with the other vanes.



#### <To Change the Right/Left Air Direction>

■ Press the louver button ⑦ as necessary.

- The louver image ⑦ appears. Each press of the button switches the setting as follows.

(ON) (OFF)

Wired remote controller

→ No display ← During swing operation, the arrow display move to the left and right.  
(Stop)

Wireless remote controller

→ No display ← During swing operation, the arrow display move to the left and right.  
(Stop)

**⚠ Caution:**  
To prevent falls, maintain a stable footing when operating the unit.

### 5.6. Ventilation

#### ▶ For LOSSNAY combination

##### 5.6.1. For Wired Remote-controller

- To run the ventilator together with the indoor unit:
  - Press the ON/OFF button ①.
    - The Vent indication appears on the screen (at ⑧). The ventilator will now automatically operate whenever the indoor unit is running.
- To run the ventilator only when the indoor unit is off:
  - Press the Mode button ② until appears on the display. This will cause the ventilator to start.
- To change the ventilator force:
  - Press the Ventilation button ③ as necessary.
    - Each press toggles the setting as shown below.



#### Note:

- With some model configurations, the fan on the indoor unit may come on even when you set the ventilator to run independently.

## 6. Timer

### 6.1. For Wired Remote-controller

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

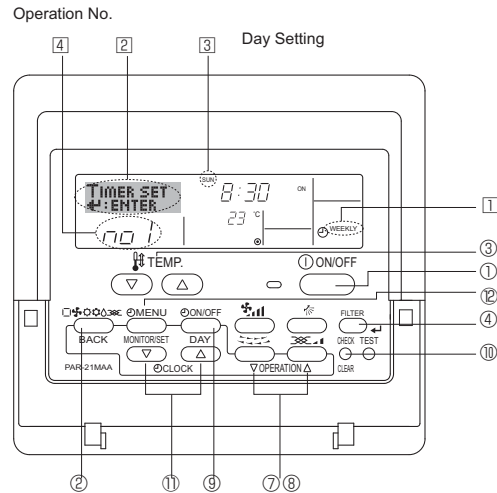
#### 6.1.1. Weekly Timer

- The weekly timer can be used to set up to 8 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:

- Weekly Timer/Simple Timer/Auto Off Timer cannot be used at the same time.
- The weekly timer will not operate when any of the following conditions is in effect.
 

The timer feature is off; the system is in a 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 user is in the process of setting 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>

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



## 6. Timer

- Press the Timer Menu button ②, so that the "Set Up" appears on the screen (at ②). (Note that each press of the button toggles the display between "Set Up" and "Monitor".)
- Press the Timer On/Off (Set Day) button ③ to set the day. Each press advances the display at ③ to the next setting, in the following sequence: "Sun Mon Tues Wed Thurs Fri Sat" → "Sun" → ... → "Fri" → "Sat" → "Sun Mon Tues Wed Thurs Fri Sat"...
- Press the ∇ or ∆ Operation button (⑦ or ⑧) as necessary to select the appropriate operation number (1 to 8) ④.
  - 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.)

### Setup Matrix

Op No.	Sunday	Monday	...	Saturday
No. 1	• 8:30 • ON • 23 °C			
No. 2	• 10:00 • OFF	• 10:00 • OFF	• 10:00 • OFF	• 10:00 • OFF
...				
No. 8				

<Operation 1 settings for Sunday>  
Start the air conditioner at 8:30, with the temperature set to 23 °C.

<Operation 2 settings for every day>  
Turn off the air conditioner at 10:00.

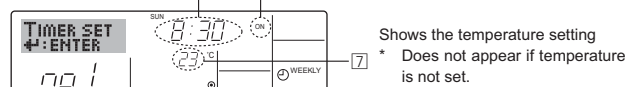
### Note:

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.)

### <Setting the Weekly Timer>

Shows the time setting

Shows the selected operation (ON or OFF)  
\* Does not appear if operation is not set.



- Press the appropriate Set Time button ⑤ as necessary to set the desired time (at ⑤).
  - As you hold the button down, the time first increments in minute intervals, then in 10-minute intervals, and then in 1-hour intervals.
- Press the ON/OFF button ① to select the desired operation (ON or OFF), at ⑥.
  - Each press changes the next setting, in the following sequence: No display (no setting) → "ON" → "OFF"
- Press the appropriate Set Temperature button ③ to set the desired temperature (at ⑦).
  - Each press changes the setting, in the following sequence: No display (no setting) ↔ 24 ↔ 25 ↔ ... ↔ 29 ↔ 30 ↔ 12 ↔ ... ↔ 23 ↔ 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.)
- After making the appropriate settings at Steps 5, 6 and 7, press the Filter ↵ button ④ to lock in the values.
  - To clear the currently set values for the selected operation, press and quickly release the Check (Clear) button ⑩ once.
  - 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 ⑩ for 2 seconds or more. The display will begin blinking, indicating that all settings have been cleared.)

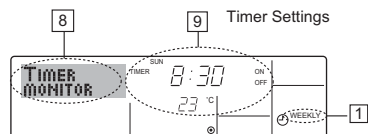
### Note:

Your new entries will be cancelled if you press the Mode (Return) button ② before pressing the Filter ↵ button ④.

If you have set 2 or more different operations for exactly the same time, only the operation with the highest Operation No. will be carried out.

- Repeat Steps 3 to 8 as necessary to fill as many of the available cells as you wish.
- Press the mode (Return) button ② to return to the standard control screen and complete the setting procedure.
- To activate the timer, press the Timer On/Off button ③, 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 blink on the screen.

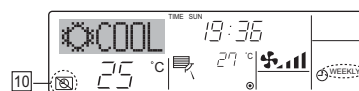
### <How to View the Weekly Timer Settings>



- Be sure that the weekly timer indicator is visible on the screen (at ①).
- Press the Timer Menu button ② so that "Monitor" is indicated on the screen (at ②).
- Press the Timer On/Off (Set Day) button ③ as necessary to select the day you wish to view.
- Press the ∇ or ∆ Operation button (⑦ or ⑧) as necessary to change the timer operation shown on the display (at ⑨).
  - Each press will advance to the next timer operation, in order of time setting.
- To close the monitor and return to the standard control screen, press the Mode (Return) button ②.

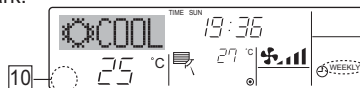
### <To Turn Off the Weekly Timer>

Press the Timer On/Off button ③ so that "Timer Off" appears at ⑩.



### <To Turn On the Weekly Timer>

Press the Timer On/Off button ③ so that the "Timer Off" indication (at ⑩) goes dark.



## 6.1.2. Simple Timer

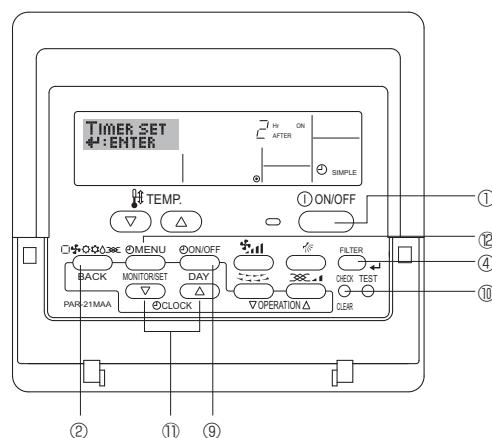
- You can set the simple timer in any of 3 ways.

- 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.

- The simple timer (start and stop) can be set only once within a 72-hour period.  
The time setting is made in hour increments.

### Note:

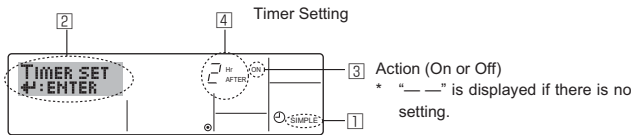
- Weekly Timer/Simple Timer/Auto Off Timer cannot be used at the same time.
- The simple timer will not operate when any of the following conditions is in effect.  
The timer is off; the system is in malfunction state; a test run is in progress; the remote controller is undergoing self-check or remote controller check; the user is in the process of selecting a function; the user is in the process of setting the timer; the system is under central control. (Under these conditions, On/Off operation is prohibited.)





## 6. Timer

### <How to Set the Simple Timer>



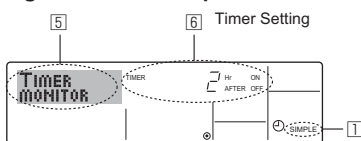
1. Be sure that you are at a standard control screen, and that the simple timer indicator is visible in the display (at ①).  
When something other than the Simple Timer is displayed, set it to SIMPLE TIMER using the function selection of remote controller (see 8.[3] (3) timer function setting).
2. Press the Timer Menu button ②, so that the "Set Up" appears on the screen (at ②). (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" timer:  
The air conditioner will start operation when the specified number of hours has elapsed.
  - "OFF" timer:  
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 ④.
  - 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 ④. (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 ← button ④ to lock in the value.

#### Note:

Your new settings will be cancelled if you press the Mode (Return) button ② before pressing the Filter ← button ④.

8. Press the Mode (Return) button ② to return to the standard control screen.
9. Press the Timer On/Off button ⑨ 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.**

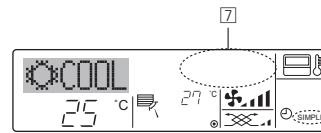
### <Viewing the Current Simple Timer Settings>



1. Be sure that the simple timer indicator is visible on the screen (at ⑤).
2. Press the Timer Menu button ⑥, so that the "Monitor" appears on the screen (at ⑤).
  - If the ON or OFF simple timer is running, the current timer value will appear at ⑥.
  - 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.

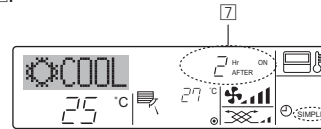
### <To Turn Off the Simple Timer...>

Press the Timer On/Off button ⑨ so that the timer setting no longer appears on the screen (at ⑦).



### <To Turn On the Simple Timer...>

Press the Timer On/Off button ⑨ so that the timer setting becomes visible at ⑦.



### Examples

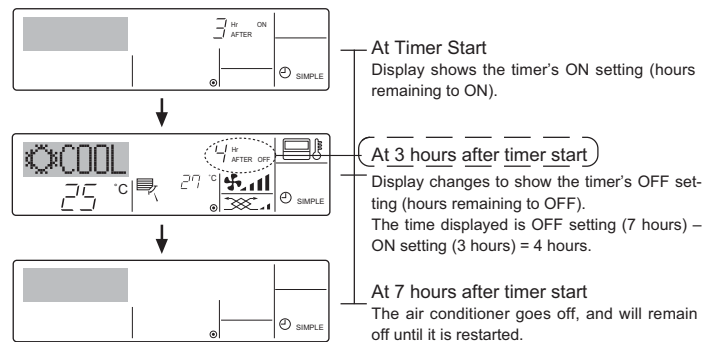
If ON and OFF times have both been set at the simple timer, operation and display are as indicated below.

#### Example 1:

Start the timer with ON time set earlier than OFF time

ON Setting: 3 hours

OFF Setting: 7 hours

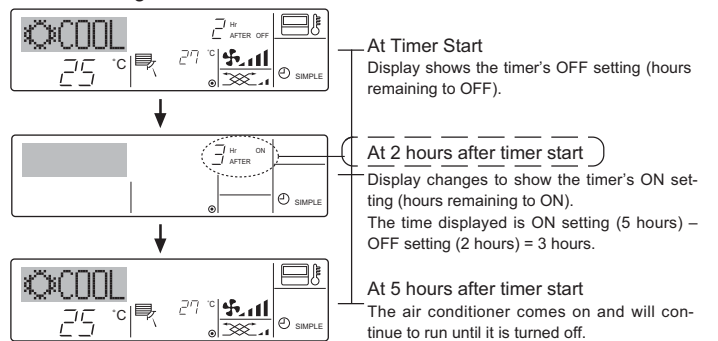


#### Example 2:

Start the timer with OFF time set earlier than ON time

ON Setting: 5 hours

OFF Setting: 2 hours



## 6. Timer

### 6.1.3. Auto Off Timer

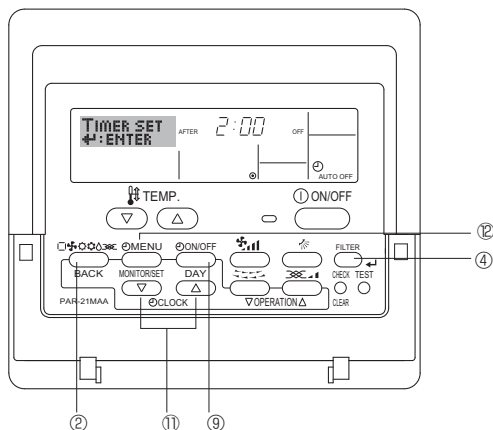
■ This timer begins countdown when the air conditioner starts and shuts the air conditioner off when the set time has elapsed.

■ Available settings run from 30 minutes to 4 hours in 30-minute intervals.

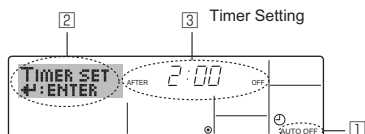
**Note:**

- \*1. Weekly Timer/Simple Timer/Auto Off Timer cannot be used at the same time.
- \*2. The Auto Off timer will not operate when any of the following conditions is in effect.

The timer is off; the system is in 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 selecting a function; the user is in the process of setting the timer; the system is under central control. (Under these conditions, On/Off operation is prohibited.)



#### <How to Set the Auto Off Timer>



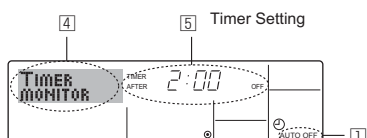
1. Be sure that you are at a standard control screen, and that the Auto Off timer indicator is visible in the display (at 1).  
When something other than the Auto Off Timer is displayed, set it to AUTO OFF TIMER using the function selection of remote controller (see 8.[4]-3 (3) timer function setting).
2. Hold down the Timer Menu button 2 for **3 seconds** so that the "Set Up" appears on the screen (at 2).  
(Note that each press of the button toggles the display between "Set Up" and "Monitor".)
3. Press the appropriate Set Time button 11 as necessary to set the OFF time (at 3).
4. Press the Filter ← button 4 to lock in the setting.

**Note:**

Your entry will be cancelled if you press the Mode (Return) button 2 before pressing the Filter ← button 4.

5. Press the Mode (Return) button 2 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.**

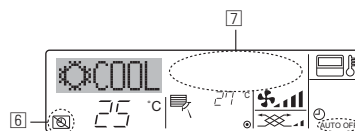
#### <Checking the Current Auto Off Timer Setting>



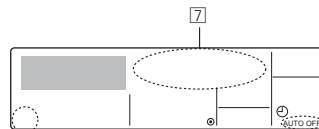
1. Be sure that the "Auto Off" is visible on the screen (at 1).
2. Hold down the Timer Menu button 2 for **3 seconds** so that "Monitor" is indicated on the screen (at 4).
  - The timer remaining to shutdown appears at 5.
3. To close the monitor and return to the standard control screen, press the Mode (Return) button 2.

#### <To Turn Off the Auto Off Timer...>

- Hold down the Timer On/Off button 9 for **3 seconds** so that "Timer Off" appears (at 6) and the timer value (at 7) disappears.

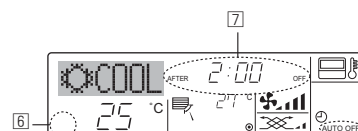


- Alternatively, turn off the air conditioner itself. The timer value (at 7) will disappear from the screen.



#### <To Turn On the Auto Off Timer...>

- Hold down the Timer On/Off button 9 for **3 seconds**. The "Timer Off" indication disappears (at 6), and the timer setting comes on the display (at 7).
- Alternatively, turn on the air conditioner. The timer value will appear at 7.



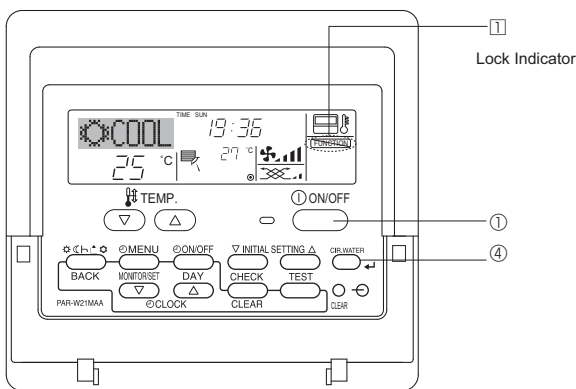
## 7. Other Functions

### 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 [2] (1)). Specifically, you can use either of the following 2 lock types.

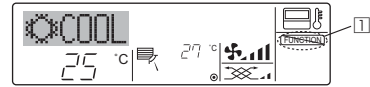
- ① Lock All Buttons:  
Locks all of the buttons on the remote controller.
- ② Lock All Except ON/OFF:  
Locks all buttons other than the ON/OFF button.

**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 ①), 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.



- If you press a locked button, the “Locked” indication (at ①) will blink on the display.

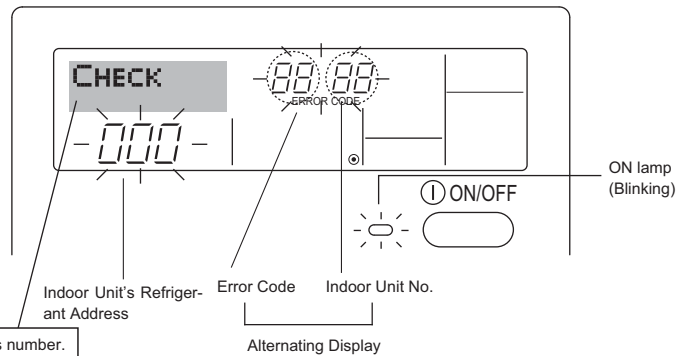


#### <How to Unlock the Buttons>

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 ①).



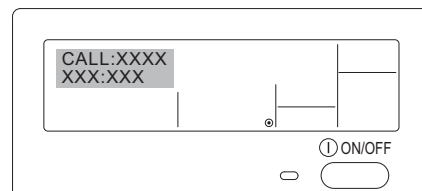
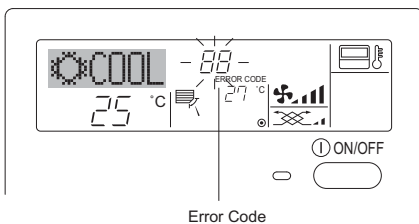
### 7.2. Error Codes indication



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

- If the ON lamp and error code are both blinking: This means that the air conditioner is out of order and operation has been stopped (and cannot resume). Take note of the indicated unit number and error code, then switch off the power to the air conditioner and call your dealer or servicer.

When the Check button is pressed:



- If only the error code is blinking (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

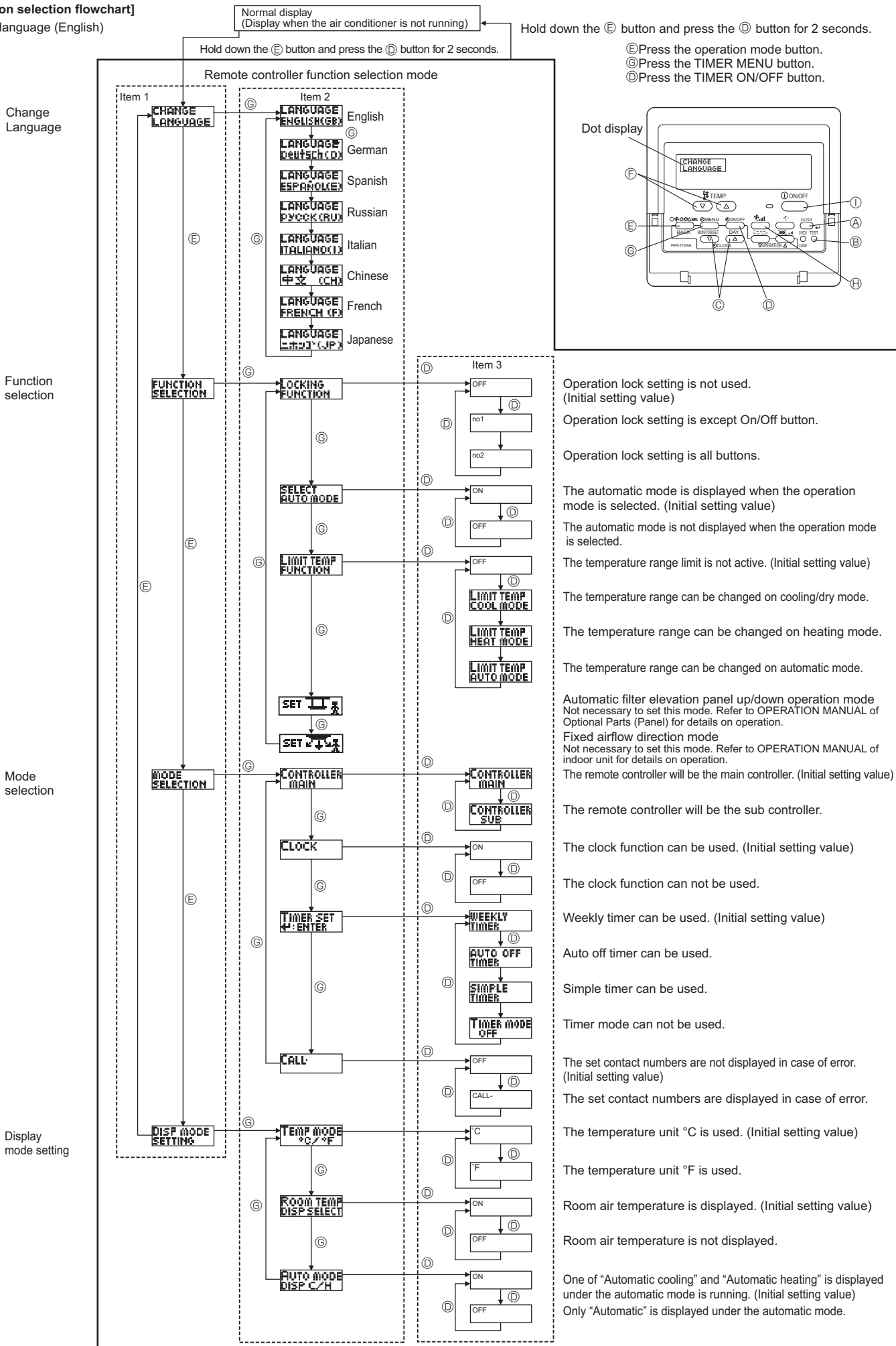
### Function selection of remote controller

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

Item 1	Item 2	Item 3 (Setting content)
1. Change Language ("CHANGE LANGUAGE")	Language setting to display	<ul style="list-style-type: none"> <li>• Display in multiple languages is possible</li> </ul>
2. Function limit ("FUNCTION SELECTION")	(1) Operation function limit setting (operation lock) ("LOCKING FUNCTION")	<ul style="list-style-type: none"> <li>• Setting the range of operation limit (operation lock)</li> </ul>
	(2) Use of automatic mode setting ("SELECT AUTO MODE")	<ul style="list-style-type: none"> <li>• Setting the use or non-use of "automatic" operation mode</li> </ul>
	(3) Temperature range limit setting ("LIMIT TEMP FUNCTION")	<ul style="list-style-type: none"> <li>• Setting the temperature adjustable range (maximum, minimum)</li> </ul>
3. Mode selection ("MODE SELECTION")	(1) Remote controller main/sub setting ("CONTROLLER MAIN/SUB")	<ul style="list-style-type: none"> <li>• Selecting main or sub remote controller</li> <li>* When 2 remote controllers are connected to 1 group, 1 controller must be set to sub.</li> </ul>
	(2) Use of clock setting ("CLOCK")	<ul style="list-style-type: none"> <li>• Setting the use or non-use of clock function</li> </ul>
	(3) Timer function setting ("WEEKLY TIMER")	<ul style="list-style-type: none"> <li>• Setting the timer type</li> </ul>
	(4) Contact number setting for error situation ("CALL.")	<ul style="list-style-type: none"> <li>• Contact number display in case of error</li> <li>• Setting the telephone number</li> </ul>
4. Display change ("DISP MODE SETTING")	(1) Temperature display °C/°F setting ("TEMP MODE °C/°F")	<ul style="list-style-type: none"> <li>• Setting the temperature unit (°C or °F) to display</li> </ul>
	(2) Room air temperature display setting ("ROOM TEMP DISP SELECT")	<ul style="list-style-type: none"> <li>• Setting the use or non-use of the display of indoor (suction) air temperature</li> </ul>
	(3) Automatic cooling/heating display setting ("AUTO MODE DISP C/H")	<ul style="list-style-type: none"> <li>• Setting the use or non-use of the display of "Cooling" or "Heating" display during operation with automatic mode</li> </ul>

# 8. Function Selection

[Function selection flowchart]  
Setting language (English)



## 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 ⑥ 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 [ ⊖ ON/OFF] button ⑥.
  - ① no1: Operation lock setting is made on all buttons other than the [ ⊖ ON/OFF] button ⑥.
  - ② no2: Operation lock setting is made on all buttons.
  - ③ OFF (Initial setting value): Operation lock setting is not made.
- \* To make the operation lock setting valid on the normal screen, it is necessary to press buttons (Press and hold down the [FILTER] ④ and [ ⊖ ON/OFF] buttons ⑥ at the same time for 2 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 [ ⊖ ON/OFF] button ⑥.
  - 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 [ ⊖ ON/OFF] button ⑥.
  - 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 [ ⬇️ TEMP. (▽) or (△)] button ⑤.
- To switch the upper limit setting and the lower limit setting, press the [ ⊕, ⊖] button ④. The selected setting will blink and the temperature can be set.
- Settable range

Cooling/Dry mode:	
Lower limit:19°C - 30°C	Upper limit:30°C - 19°C
Heating mode:	
Lower limit:17°C - 28°C	Upper limit:28°C - 17°C
Automatic mode:	
Lower limit:19°C - 28°C	Upper limit:28°C - 19°C

#### [4]-3 Mode selection setting

##### (1) Remote controller main/sub setting

- To switch the setting, press the [ ⊖ ON/OFF] button ⑥.
  - 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 [ ⊖ ON/OFF] button ⑥.
  - 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 [ ⊖ ON/OFF] button ⑥ (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 [ ⊖ ON/OFF] button ⑥.
  - 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 above.
- Setting the contact numbers  
To set the contact numbers, follow the following procedures.  
Move the blinking cursor to set numbers. Press the [ ⬇️ TEMP. (▽) and (△)] button ⑤ to move the cursor to the right (left). Press the [ ⊖ CLOCK (▽) and (△)] button ⑥ to set the numbers.

#### [4]-4 Display change setting

##### (1) Temperature display °C/°F setting

- To switch the setting, press the [ ⊖ ON/OFF] button ⑥.
  - ① °C: The temperature unit °C is used.
  - ② °F: The temperature unit °F is used.

##### (2) Room air temperature display setting

- To switch the setting, press the [ ⊖ ON/OFF] button ⑥.
  - ① ON: The room air temperature is displayed.
  - ② OFF: The room air temperature is not displayed.

##### (3) Automatic cooling/heating display setting

- To switch the setting, press the [ ⊖ ON/OFF] button ⑥.
  - ① ON:  
One of "Automatic cooling" or "Automatic heating" is displayed under the automatic mode is running.
  - ② OFF:  
Only "Automatic" is displayed under the automatic mode.



## 8. Function Selection

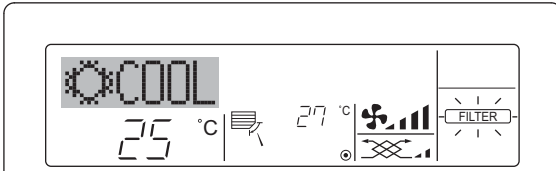
[Dot display table]

Selecting language	English	German	Spanish	Russian	Italian	Chinese	French	Japanese	
Waiting for start-up	PLEASE WAIT	←	←	←	←	←	←	←	
Operation mode	Cool	COOL	Kühlen	FRÍO	Холод	COOL	制冷	FROID	冷房
	Dry	DRY	Trocknen	DESHUMIDIFICACIÓN	Сушка	DRY	除湿	DESHU	ドライ
	Heat	HEAT	Heizen	CALOR	Тепло	HEAT	制热	CHAUD	暖房
	Auto	AUTO	AUTO	AUTO MÁTICO	АВТО	AUTO	自动	AUTO	自動
	Auto(Cool)	COOL	Kühlen	FRÍO	Холод	COOL	制冷	FROID	冷房
	Auto(Heat)	HEAT	Heizen	CALOR	Тепло	HEAT	制热	CHAUD	暖房
	Fan	FAN	Lüfter	VENTILACIÓN	ВЕНТ	VENTILAZIONE	送风	VENTILATION	送風
	Ventilation	VENTILATION	Gebälsebetrieb	VENTILACIÓN	ВЕНТИЛЯЦИЯ	ARIA ESTERNA	换气	VENTILATION	換気
	Stand by (Hot adjust)	STAND BY	STAND BY	CALENTANDO	ОБОГРЕВ: ПАУЗА	STAND BY	准备中	PRE CHAUFFAGE	準備中
Defrost	DEFROST	Abtauen	DESCONGE-LACIÓN	ОТТАВЛИВАНИЕ	SPRINAMENTO	除霜中	DEGIVRAGE	霜取中	
Set temperature	SET TEMP	TEMP einstellen	TEMP. CONSIGNA	ЦЕЛЕВАЯ ТЕМПЕРАТУРА	IMPOSTAZIONE TEMPERATURA	设定温度	REGLAGE TEMPERATURE	設定温度	
Fan speed	FAN SPEED	Lüftergeschwindigkeit	VELOCIDAD VENTILADOR	СКОРОСТЬ ВЕНТИЛЯТОРА	VELOCITA' VENTILATORE	风速	VITESSE DE VENTILATION	風速	
Not use button	NOT AVAILABLE	Nicht Verfügbar	NO DISPONIBLE	НЕ ДОСТУПНО	NON DISPONIBILE	无效按钮	NON DISPONIBILE	無効ボタン	
Check (Error)	CHECK	Prüfen	COMPROBAR	ПРОВЕРКА	CHECK	检查	CONTROLE	点検	
Test run	TEST RUN	Testbetrieb	TEST FUNCIONAMIENTO	ТЕСТОВЫЙ ЗАПУСК	TEST RUN	试运行	TEST	試運転	
Self check	SELF CHECK	Selbst-diagnose	AUTO REVISIÓN	САМОДИАГНОСТИКА	SELF CHECK	自我诊断	AUTO CONTROLE	自己診断	
Unit function selection	FUNCTION SELECTION	Funktion AUSWAHL	SELECCIÓN DE FUNCIÓN	ВЫБОР ФУНКЦИИ	SELEZIONE FUNZIONI	功能选择	SELECTION FONCTIONS	メニュー選択	
Setting of ventilation	SETTING OF VENTILATION	Lüfterstufen wählen	CONFIG. VENTILACIÓN	НАСТРОЙКА ВЕНТУСТАНА.	IMPOSTAZIONE ARIA ESTERNA	换气设定	SELECTION VENTILATION	換気設定	

Selecting language	English	German	Spanish	Russian	Italian	Chinese	French	Japanese
CHANGE LANGUAGE	CHANGE LANGUAGE	←	←	←	←	←	←	←
Function selection	FUNCTION SELECTION	Funktion auswählen	SELECCIÓN DE FUNCIONES	ВЫБОР ФУНКЦИИ	SELEZIONE FUNZIONI	功能限制	SELECTION FONCTIONS	メニュー制限
Operation function limit setting	LOCKING FUNCTION	Sperre - Funktion	FUNCIÓN BLOQUEADA	ФУНКЦИЯ БЛОКИРОВКИ	BLOCCO FUNZIONI	操作限制	BLOCCAGE FONCTIONS	操作権限
Use of automatic mode setting	SELECT AUTO MODE	Auswahl AUTO Betrieb	SELECCIÓN MODO AUTO	ВЫБОР РЕЖИМА АВТО	SELEZIONE MODO AUTO	自动模式	SELECTION DU MODO AUTO	自動モード
Temperature range limit setting	LIMIT TEMP FUNCTION	Limit Temp Funktion	LIMIT TEMP CONSIGNA	ОГРАНИЧЕНИЕ УЛТ.ТЕМПЕРАТ	LIMITAZIONE TEMPERATURA	温度限制	LIMITAZIONE TEMPERATURE	温度制限
Limit temperature cooling/day mode	LIMIT TEMP COOL MODE	Limit Kühl Temp	LIMIT TEMP MODO FRIO	ОГРАНИЧЕНИЕ ОХЛАЖДЕНИЯ	LIMITAZIONE MODO COOL	制冷范围	LIMITE TEMP MODO FROID	制冷房
Limit temperature heating mode	LIMIT TEMP HEAT MODE	Limit Heiz Temp	LIMIT TEMP MODO CALOR	ОГРАНИЧЕНИЕ ОБОГРЕВА	LIMITAZIONE MODO HEAT	制热范围	LIMITE TEMP MODO CHAUD	制热房
Limit temperature auto mode	LIMIT TEMP AUTO MODE	Limit Auto Temp	LIMIT TEMP MODO AUTO	ОГРАНИЧЕНИЕ РЕЖИМА АВТО	LIMITAZIONE MODO AUTO	自动范围	LIMITE TEMP MODO AUTO	制热自动
Mode selection	MODE SELECTION	Betriebsart wählen	SELECCIÓN DE MODO	ВЫБОР РЕЖИМА	SELEZIONE MODO	基本模式	SELECTION DU MODO	基本メニュー
Remote controller setting MAIN	CONTROLLER MAIN	Haupt Controller	CONTROL PRINCIPAL	ОСНОВНОЙ ПУЛЬТ	CONTROLLO MAIN	遥控主	TECOMMANDE MAITRE	リモコン 主機
Remote controller setting SUB	CONTROLLER SUB	Neben Controller	CONTROL SECUNDARIO	ДОПОЛНИТЕЛЬНЫЙ ПУЛЬТ	CONTROLLO SUB	遥控辅	TECOMMANDE ESCLAVE	リモコン 副機
Use of clock setting	CLOCK	Uhr	RELOJ	ЧАСЫ	OROLOGIO	时钟	AFFICHAGE HORLOGE	時計 ユニット
Setting the day of the week and time	TIME SET 4:ENTER	Uhr stellen 4:einstellen	CONFIG RELOJ 4:CONFIG	ЧАСЫ:УЛТ. 4:ВВОД	OROLOGIO 4:ENTER	时间 4:ENTER	HORLOGE 4:ENTRER	トケイセッテイ 4:カクタイ
Timer set	TIMER SET 4:ENTER	Zeitschaltuhr 4:einstellen	TEMPORIZA - DOR 4:CONFIG	ТАЙМЕР:УЛТ. 4:ВВОД	TIMER 4:ENTER	定时器 4:ENTER	PROG HORAIRE 4:ENTRER	タイマーセッテイ 4:カクタイ
Timer monitor	TIMER MONITOR	Uhrzeit Anzeige	VISUALIZAR TEMPORIZAD.	ПРОСМОТР ТАЙМЕРА	VISUALIZ TIMER	定时器状态	AFFICHAGE PROG HORAIRE	タイマーモニター
Weekly timer	WEEKLY TIMER	Wochenzeit schalt Uhr	TEMPORIZA - DOR SEMANAL	НЕДЕЛЬНЫЙ ТАЙМЕР	TIMER SETTIMANALE	每周定时器	PROG HEBDO MAIRAIRE	タイマー 週間
Timer mode off	TIMER MODE OFF	Zeitschaltuhr AUS	TEMPORIZA - DOR APAGADO	ТАЙМЕР ВЫКЛ.	TIMER OFF	定时器无效	PROG HORAIRE INACTIF	タイマー 無効
Auto off timer	AUTO OFF TIMER	Auto Zeit funktion AUS	APAGADO AUTOMÁTICO	АВТООТКЛЮЧ. ПО ТАЙМЕРУ	AUTO OFF TIMER	解除定时	PROG HORAIRE ARRET AUTO	タイマー解除時刻
Simple timer	SIMPLE TIMER	Einfache Zeitfunktion	TEMPORIZA - DOR SIMPLE	ПРОСТОЙ ТАЙМЕР	TIMER SEMPLIFICATO	简易定时器	PROG HORAIRE SIMPLIFIE	タイマー かんい
Contact number setting of error situation	CALL	←	←	←	←	←	←	←
Display change	DISP MODE SETTING	Anzeige Betriebsart	MOSTRAR MODO	НАСТРОЙКА МЕНЮ РЕЖИМА	IMPOSTAZIONE MODO DISPLAY	转换表示	AFFICHAGE SOUS MENU	表示切替
Temperature display °C/°F setting	TEMP MODE °C/°F	Wechsel °C/°F	TEMP GRADOS °C/°F	КАНН.ТЕМП. °C/°F	TEMPERATURA °C/°F	温度 °C/°F	TEMPERATURE °C/°F	温度 °C/°F
Room air temperature display setting	ROOM TEMP DISP SELECT	Room Temp gewährit	MOSTRAR TEMP.	ПОКАЗЫВАТЬ ТЕМП. В КОМН.	TEMPERATURA AMBIENTE	吸入温度	TEMPERATURE AMBIANTE	スィコモード 室温
Automatic cooling/heating display setting	AUTO MODE DISP C/H	Auto Betrieb C/H	MOSTRAR F/C EN AUTO	ИНА. Т/Х В РЕЖИМЕ АВТО	AUTO C/H	自动表示	AFFICHAGE AUTO F/C	自動 表示



## 9. Care and Cleaning



- Indicates that the filter needs cleaning.  
Ask authorized people to clean the filter.
- When resetting "FILTER" display  
When the [FILTER] button is pressed 2 times successively after cleaning the filter, the display goes off and is reset.

**Note:**

- When 2 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.

⚠ **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.

⚠ **Caution:**





- Before you start cleaning, stop operation and turn OFF the power supply.
- Indoor units are equipped with filters to remove the dust of sucked-in air. Clean the filters using the methods shown in the following sketches.

► **Filter removal**

⚠ **Caution:**

- In removing the filter, precautions must be taken to protect your eyes from dust. Also, if you have to climb up on a stool to do the job, be careful not to fall.
- When the filter is removed, do not touch the metallic parts inside the indoor unit, otherwise injury may result.

## 10. Trouble Shooting

Having trouble?	Here is the solution. (Unit is operating normally.)
Air conditioner does not heat or cool well.	<ul style="list-style-type: none"> <li>■ Clean the filter. (Airflow is reduced when the filter is dirty or clogged.)</li> <li>■ Check the temperature adjustment and adjust the set temperature.</li> <li>■ Make sure that there is plenty of space around the outdoor unit. Is the indoor unit air intake or outlet blocked?</li> <li>■ Has a door or window been left open?</li> </ul>
When heating operation starts, warm air does not blow from the indoor unit soon.	<ul style="list-style-type: none"> <li>■ Warm air does not blow until the indoor unit has sufficiently warmed up.</li> </ul>
During heating mode, the air conditioner stops before the set room temperature is reached.	<ul style="list-style-type: none"> <li>■ 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.</li> </ul>
Airflow direction changes during operation or airflow direction cannot be set.	<ul style="list-style-type: none"> <li>■ During cooling mode, the vanes automatically move to the horizontal (down) position after 1 hour when the down (horizontal) airflow direction is selected. This is to prevent water from forming and dripping from the vanes.</li> <li>■ During heating mode, the vanes automatically move to the horizontal airflow direction when the airflow temperature is low or during defrosting mode.</li> </ul>
When the airflow direction is changed, the vanes always move up and down past the set position before finally stopping at the position.	<ul style="list-style-type: none"> <li>■ When the airflow direction is changed, the vanes move to the set position after detecting the base position.</li> </ul>
A flowing water sound or occasional hissing sound is heard.	<ul style="list-style-type: none"> <li>■ These sounds can be heard when refrigerant is flowing in the air conditioner or when the refrigerant flow is changing.</li> </ul>
A cracking or creaking sound is heard.	<ul style="list-style-type: none"> <li>■ These sounds can be heard when parts rub against each due to expansion and contraction from temperature changes.</li> </ul>
The room has an unpleasant odor.	<ul style="list-style-type: none"> <li>■ 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.</li> </ul>
A white mist or vapor is emitted from the indoor unit.	<ul style="list-style-type: none"> <li>■ If the indoor temperature and the humidity are high, this condition may occur when operation starts.</li> <li>■ During defrosting mode, cool airflow may blow down and appear like a mist.</li> </ul>
Water or vapor is emitted from the outdoor unit.	<ul style="list-style-type: none"> <li>■ During cooling mode, water may form and drip from the cool pipes and joints.</li> <li>■ During heating mode, water may form and drip from the heat exchanger.</li> <li>■ During defrosting mode, water on the heat exchanger evaporates and water vapor may be emitted.</li> </ul>
The operation indicator does not appear in the remote controller display.	<ul style="list-style-type: none"> <li>■ Turn on the power switch. "●" will appear in the remote controller display.</li> </ul>
" 	<ul style="list-style-type: none"> <li>■ During central control, "</li></ul>
When restarting the air conditioner soon after stopping it, it does not operate even though the ON/OFF button is pressed.	<ul style="list-style-type: none"> <li>■ Wait approximately 3 minutes. (Operation has stopped to protect the air conditioner.)</li> </ul>
Air conditioner operates without the ON/OFF button being pressed.	<ul style="list-style-type: none"> <li>■ Is the on timer set? Press the ON/OFF button to stop operation.</li> <li>■ Is the air conditioner connected to a central remote controller? Consult the concerned people who control the air conditioner.</li> <li>■ Does "</li></ul>
Air conditioner stops without the ON/OFF button being pressed.	<ul style="list-style-type: none"> <li>■ Is the off timer set? Press the ON/OFF button to restart operation.</li> <li>■ Is the air conditioner connected to a central remote controller? Consult the concerned people who control the air conditioner.</li> <li>■ Does "</li></ul>
Remote controller timer operation cannot be set.	<ul style="list-style-type: none"> <li>■ Are timer settings invalid? If the timer can be set, <b>WEEKLY</b> , <b>SIMPLE</b> , or <b>AUTO OFF</b> appears in the remote controller display.</li> </ul>
"PLEASE WAIT" appears in the remote controller display.	<ul style="list-style-type: none"> <li>■ The initial settings are being performed. Wait approximately 3 minutes.</li> </ul>
An error code appears in the remote controller display.	<ul style="list-style-type: none"> <li>■ The protection devices have operated to protect the air conditioner.</li> <li>■ 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.</li> </ul>

## 10. Trouble Shooting

Having trouble?	Here is the solution. (Unit is operating normally.)												
Draining water or motor rotation sound is heard.	<ul style="list-style-type: none"> <li>When cooling operation stops, the drain pump operates and then stops. Wait approximately 3 minutes.</li> </ul>												
Noise is louder than specifications.	<ul style="list-style-type: none"> <li>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 anechoic room.</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>High sound absorbing rooms</th> <th>Normal rooms</th> <th>Low sound absorbing rooms</th> </tr> </thead> <tbody> <tr> <td>Location examples</td> <td>Broadcasting studio, music room, etc.</td> <td>Reception room, hotel lobby, etc.</td> <td>Office, hotel room</td> </tr> <tr> <td>Noise levels</td> <td>3 - 7 dB</td> <td>6 - 10 dB</td> <td>9 - 13 dB</td> </tr> </tbody> </table>		High sound absorbing rooms	Normal rooms	Low sound absorbing rooms	Location examples	Broadcasting studio, music room, etc.	Reception room, hotel lobby, etc.	Office, hotel room	Noise levels	3 - 7 dB	6 - 10 dB	9 - 13 dB
	High sound absorbing rooms	Normal rooms	Low sound absorbing rooms										
Location examples	Broadcasting studio, music room, etc.	Reception room, hotel lobby, etc.	Office, hotel room										
Noise levels	3 - 7 dB	6 - 10 dB	9 - 13 dB										
Nothing appears in the wireless remote controller display, the display is faint, or signals are not received by the indoor unit unless the remote controller is close.	<ul style="list-style-type: none"> <li>The batteries are low. Replace the batteries and press the Reset button.</li> <li>If nothing appears even after the batteries are replaced, make sure that the batteries are installed in the correct directions (+, -).</li> </ul>												
The operation lamp near the receiver for the wireless remote controller on the indoor unit is blinking.	<ul style="list-style-type: none"> <li>The self diagnosis function has 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.</li> </ul>												

## 11. Specifications

Model	PSA-RP71KA	PSA-RP100KA	PSA-RP125KA	PSA-RP140KA
Power source (voltage <V>/Frequency<Hz>)	~N 230/50			
Rated Input (Indoor only) <kW>	0.06/0.06	0.11/0.10	0.11/0.11	0.11/0.11
Rated Current (Indoor only) <A>	0.40/0.40	0.71/0.66	0.73/0.73	0.73/0.73
Dimension (Height) <mm>	1900			
Dimension (Width) <mm>	600			
Dimension (Depth) <mm>	360			
Fan airflow rate (Low-Middle-High) <m <sup>3</sup> /min>	20-22-24	25-28-30	25-28-31	25-28-31
Noise level (Low-Middle-High) <dB>	40-42-44	45-49-51	45-49-51	45-49-51
Net weight <kg>	46			48



EC DECLARATION OF CONFORMITY  
EG-KONFORMITÄTSEKHLÄRUNG  
DÉCLARATION DE CONFORMITÉ CE  
EG-CONFORMITEITSVERKLARING

DECLARACIÓN DE CONFORMIDAD CE  
DICHIARAZIONE DI CONFORMITÀ CE  
ΔΗΛΩΣΗ ΠΙΣΤΟΤΗΤΑΣ ΕΚ

DECLARAÇÃO DE CONFORMIDADE CE  
EU-OVERENSSTEMMELSESEKHLÆRING  
EG-DEKLARATION OM ÖVERENSSTÄMMELSE

EC UYGUNLUK BEYANI  
ДЕКЛАРАЦИЯ СООТВЕТСТВИЯ НОРМАМ ЕС

**mitsubishi electric corporation, shizuoka works**  
**18-1, oshika 3-chome, suruga-ku, shizuoka-city 422-8528, japan**

hereby declares under its sole responsibility that the air conditioners and heat pumps described below for use in residential, commercial and light-industrial environments:  
erklärt hiermit auf seine alleinige Verantwortung, dass die Klimaanlage und Wärmepumpen für das häusliche, kommerzielle und leicht-industrielle Umfeld wie unten beschrieben:  
déclare par la présente et sous sa propre responsabilité que les climatiseurs et les pompes à chaleur décrits ci-dessous, destinés à un usage dans des environnements résidentiels, commerciaux et d'industrie légère :  
verklaart hierbij onder eigen verantwoordelijkheid dat de voor residentiële, commerciële en licht-industriële omgevingen bestemde airconditioners en warmtepompen zoals onderstaand beschreven:  
por la presente declara bajo su única responsabilidad que los acondicionadores de aire y bombas de calor descritas a continuación para su uso en entornos residenciales, comerciales y de industria ligera:  
conferma con la presente, sotto la sua esclusiva responsabilità, che i condizionatori d'aria e le pompe di calore descritti di seguito e destinati all'utilizzo in ambienti residenziali, commerciali e semi-industriali:  
με το παρόν πιστοποιεί με αποκλειστική της ευθύνη ότι οι τα κλιματιστικά και οι αντλίες θέρμανσης που περιγράφονται παρακάτω για χρήση σε οικιακό, επαγγελματικό και ελαφριάς βιομηχανίας περιβάλλοντα:  
através da presente declara sob sua única responsabilidade que os aparelhos de ar condicionado e bombas de calor abaixo descritos para uso residencial, comercial e de indústria ligeira:  
erklærer hermed under eneansvar, at de herunder beskrevne airconditionanlæg og varmepumper til brug i privat boligbyggeri, erhvervsområder og inden for let industri:  
intyggar härmed att luftkonditioneringarna och varmepumparna som beskrivs nedan för användning i bostäder, kommersiella miljöer och lätta industriella miljöer:  
ev, ticaret ve hafif sanayi ortamlarında kullanım amaçlı üretilen ve aşağıda açıklanan klima ve ısıtma pompalarıyla ilgili aşağıdaki hususları yalnızca kendi sorumluluğunda beyan eder:  
настоящим заявляет и берет на себя исключительную ответственность за то, что кондиционеры и тепловые насосы, описанные ниже и предназначенные для эксплуатации в жилых помещениях, торговых залах и на предприятиях легкой промышленности:

**MITSUBISHI ELECTRIC, PSA-RP71KA\*, PSA-RP100KA\*, PSA-RP125KA\*, PSA-RP140KA\***  
\* : , , 1, 2, 3, ... , 9

Note: Its serial number is on the nameplate of the product.  
Hinweis: Die Seriennummer befindet sich auf dem Kennschild des Produkts.  
Remarque : Le numéro de série de l'appareil se trouve sur la plaque du produit.  
Opmerking: het serienummer staat op het naamplaatje van het product.  
Nota: El número de serie se encuentra en la placa que contiene el nombre del producto.  
Nota: il numero di serie si trova sulla targhetta del prodotto.  
Σημείωση: Ο σειριακός του αριθμός βρίσκεται στην πινακίδα ονόματος του προϊόντος.

Note: o número de série encontra-se na placa que contém o nome do produto.  
Bemærk: Serienummeret står på produktets fabriksskilt.  
Obs: Serienumret finns på produktens namnplåt.  
Not: Seri numarası ürünün isim plakasında yer alır.  
Примечание: серийный номер указан на паспортное табличке изделия.

Directives  
Richtlijnen  
Directives  
Richtlijnen  
Directives  
Direttive  
Οδηγίες

Directivas  
Direktiver  
Direktiv  
Direktifler  
Директивы

**2006/95/EC: Low Voltage**  
**2006/42/EC: Machinery**  
**2004/108/EC: Electromagnetic Compatibility**  
**2009/125/EC: Energy-related Products and Regulation (EU) No 206/2012**

Our authorized representative in EU, who is authorized to compile the technical file, is as follows.  
Unser autorisierter Vertreter in der EU, der ermächtigt ist die technischen Daten zu kompilieren, ist wie folgt.  
Notre représentant agréé dans L'UE, qui est autorisé à compiler le fichier technique, est le suivant.  
Onze geautoriseerde vertegenwoordiger in de EU, die gemachtigd is het technische bestand te compileren, is als volgt.  
Nuestro representante autorizado en la UE, que está autorizado para compilar el archivo técnico, es el siguiente.  
Il nostro rivenditore autorizzato nell'UE, responsabile della stesura della scheda tecnica, è il seguente.  
Ο εξουσιοδοτημένος αντιπρόσωπός μας στην ΕΕ, ο οποίος είναι εξουσιοδοτημένος να συντάξει τον τεχνικό φάκελο, είναι ο εξής.

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Vår EG-representant som är auktoriserad att sammanställa den tekniska filen är följande.  
Avrupa Birliği'nde bulunan ve teknik dosyayı düzenleme yetkisine sahip yetkili temsilcimiz aşağıda belirtilmiştir:  
Наш авторизованный представитель в ЕС, уполномоченный на составление технического файла, указан ниже.

**MITSUBISHI ELECTRIC EUROPE, B.V.**  
**HARMAN HOUSE, 1 GEORGE STREET, UXBRIDGE, MIDDLESEX UB8 1QQ, U.K.**  
**Yoji SAITO**  
**Product Marketing Director**

Issued: **20, Dec, 2012**  
CHINA

**Yasutaka MURAKAMI**  
**Manager, Quality Assurance Department**

## <ENGLISH>

English is original. The other languages versions are translation of the original.

### ⚠ CAUTION

- Refrigerant leakage may cause suffocation. Provide ventilation in accordance with EN378-1.
- Be sure to wrap insulation around the piping. Direct contact with the bare piping may result in burns or frostbite.
- Never put batteries in your mouth for any reason to avoid accidental ingestion.
- Battery ingestion may cause choking and/or poisoning.
- Install the unit on a rigid structure to prevent excessive operation sound or vibration.
- Noise measurement is carried out in accordance with JIS C9612, JIS B8616, ISO 5151(T1), and ISO 13523(T1).

## <DEUTSCH>

Das Original ist in Englisch. Die anderen Sprachversionen sind vom Original übersetzt.

### ⚠ VORSICHT

- Das Auslaufen von Kältemittel kann zu Erstickung führen. Sorgen Sie für Belüftung gemäß der Bestimmung EN378-1.
- Sicherstellen, dass die Rohrführung isoliert ist. Direkter Kontakt mit der blanken Rohrführung kann zu Verbrennungen oder Erfrierung führen.
- Nehmen Sie unter keinen Umständen Batterien in den Mund, um versehentliches Verschlucken zu vermeiden.
- Das Verschlucken von Batterien kann zu Erstickung und/oder Vergiftung führen.
- Installieren Sie das Gerät an einer stabilen Struktur, um übermäßige Betriebsgeräusche oder Vibration zu vermeiden.
- Geräuschmessungen werden gemäß der Bestimmungen JIS C9612, JIS B8616, ISO 5151(T1), und ISO 13523(T1) ausgeführt.

## <FRANÇAIS>

L'anglais est l'original. Les versions fournies dans d'autres langues sont des traductions de l'original.

### ⚠ PRECAUTION

- Une fuite de réfrigérant peut entraîner une asphyxie. Fournissez une ventilation adéquate en accord avec la norme EN378-1.
- Assurez-vous que la tuyauterie est enveloppée d'isolant. Un contact direct avec la tuyauterie nue peut entraîner des brûlures ou des engelures.
- Ne mettez jamais des piles dans la bouche pour quelque raison que ce soit pour éviter de les avaler par accident.
- Le fait d'ingérer des piles peut entraîner un étouffement et/ou un empoisonnement.
- Installez l'unité sur une structure rigide pour prévenir un bruit de fonctionnement et une vibration excessifs.
- Les mesures de niveau sonore ont été effectuées en accord avec les normes JIS C9612, JIS B8616, ISO 5151(T1) et ISO 13523(T1).

## <NEDERLANDS>

Het Engels is het origineel. De andere taalversies zijn vertalingen van het origineel.

### ⚠ VOORZICHTIG

- Het lekken van koelvloeistof kan verstikking veroorzaken. Zorg voor ventilatie in overeenstemming met EN378-1.
- Isoleer de leidingen met isolatiemateriaal. Direct contact met de onbedekte leidingen kan leiden tot brandwonden of bevriezing.
- Stop nooit batterijen in uw mond om inslikking te voorkomen.
- Het inslikken van batterijen kan verstikking of vergiftiging veroorzaken.
- Installeer het apparaat op een stabiele structuur om overmatig lawaai of trillingen te voorkomen.
- Geluidsmetingen worden uitgevoerd in overeenstemming met JIS C9612, JIS B8616, ISO 5151(T1), en ISO 13523(T1).

## <ESPAÑOL>

El idioma original del documento es el inglés. Las versiones en los demás idiomas son traducciones del original.

### ⚠ CUIDADO

- Las pérdidas de refrigerante pueden causar asfixia. Se debe proporcionar la ventilación determinada en EN378-1.
- Asegúrese de colocar el aislante alrededor de las tuberías. El contacto directo con la tubería puede ocasionar quemaduras o congelación.
- Para evitar una ingestión accidental, no coloque las pilas en su boca bajo ningún concepto.
- La ingestión de las pilas puede causar asfixia y/o envenenamiento.
- Coloque la unidad en una estructura rígida para evitar que se produzcan sonidos o vibraciones excesivos debidos a su funcionamiento.
- La medición de los ruidos se lleva a cabo de acuerdo con JIS C9612, JIS B8616, ISO 5151(T1) y ISO 13523(T1).

## <ITALIANO>

Il testo originale è redatto in lingua Inglese. Le altre versioni linguistiche rappresentano traduzioni dell'originale.

### ⚠ ATTENZIONE

- Perdite di refrigerante possono causare asfissia. Prevedere una ventilazione adeguata in conformità alla norma EN378-1.
- Accertarsi di applicare materiale isolante intorno alle tubature. Il contatto diretto con le tubature non schermate può provocare ustioni o congelamento.
- Non introdurre in nessun caso le batterie nella bocca onde evitare ingestioni accidentali.
- L'ingestione delle batterie può provocare soffocamento e/o avvelenamento.
- Installare l'unità su di una struttura rigida in modo da evitare rumore o vibrazioni eccessivi durante il funzionamento.
- La misurazione del rumore viene effettuata in conformità agli standard JIS C9612, JIS B8616, ISO 5151(T1) e ISO 13523(T1).

## <ΕΛΛΗΝΙΚΑ>

Η γλώσσα του πρωτοτύπου είναι η αγγλική. Οι εκδόσεις άλλων γλωσσών είναι μεταφράσεις του πρωτοτύπου.

### ⚠ ΠΡΟΣΟΧΗ

- Η διαρροή του ψυκτικού ενδέχεται να προκαλέσει ασφυξία. Φροντίστε για τον εξαερισμό σύμφωνα με το EN378-1.
- Βεβαιωθείτε ότι τυλίξατε με μονωτικό υλικό τη σωλήνωση. Η απευθείας επαφή με τη γυμνή σωλήνωση ενδέχεται να προκαλέσει εγκαύματα ή κρυοπαγήματα.
- Μην βάζετε ποτέ τις μπαταρίες στο στόμα σας για κανένα λόγο ώστε να αποφύγετε την κατά λάθος κατάποσή τους.
- Η κατάποση μπαταριών ενδέχεται να προκαλέσει πνιγμό και/ή δηλητηρίαση.
- Εγκαταστήστε τη μονάδα σε σταθερή κατασκευή ώστε να αποφύγετε τον έντονο ήχο λειτουργίας ή τους κραδασμούς.
- Η μέτρηση θορύβου πραγματοποιήθηκε σύμφωνα με τα JIS C9612, JIS B8616, ISO 5151(T1) και ISO 13523(T1).

## <PORTUGUÊS>

O idioma original é o inglês. As versões em outros idiomas são traduções do idioma original.

### ⚠ CUIDADO

- As fugas de refrigerante podem provocar asfixia. Proporcione ventilação de acordo com a EN378-1.
- Certifique-se de que coloca isolamento em redor da tubagem. O contacto directo com a tubagem pode resultar em queimaduras ou úlceras causadas pelo frio.
- Para evitar uma ingestão acidental, nunca coloque pilhas na boca.
- A ingestão das pilhas pode provocar asfixia e/ou envenenamento.
- Instale a unidade numa estrutura rígida para evitar vibrações ou ruídos excessivos durante o seu funcionamento.
- A medição dos ruídos é efectuada de acordo com a JIS C9612, JIS B8616, ISO 5151(T1), e ISO 13523(T1).

## <DANSK>

Engelsk er originalen. De andre sprogversioner er oversættelser af originalen.

### ⚠ FORSIGTIG

- Kølemiddellækage kan forårsage kvælning. Sørg for ventilation i henhold til EN378-1.
- Der skal altid vikles isolering omkring rørene. Direkte kontakt med blottagte rør kan medføre forbrænding eller forfrysning.
- Put aldrig batterier i munden uanset årsag, du kan komme til at sluge dem.
- Hvis batterier sluges, kan det medføre kvælning og/eller forgiftning.
- Monter enheden på en fast struktur, så kraftig lyd og vibration undgås.
- Støjmåling udføres i henhold til JIS C9612, JIS B8616, ISO 5151(T1) og ISO 13523(T1).

## <SVENSKA>

Engelska är originalspråket. De övriga språkversionerna är översättningar av originalet.

### ⚠ FÖRSIKTIGHET

- Köldmedelsläckage kan leda till kvävning. Tillhandahåll ventilation i enlighet med EN378-1.
- Kom ihåg att linda isolering runt rören. Direktkontakt med bara rör kan leda till brännskador eller köldskador.
- Stoppa aldrig batterier i munnen, de kan sväljas av misstag.
- Om ett batteri sväljs kan det leda till kvävning och/eller förgiftning.
- Montera enheten på ett stadigt underlag för att förhindra höga driftljud och vibrationer.
- Ljudmätningar har utförts i enlighet med JIS C9612, JIS B8616, ISO 5151(T1) och ISO 13523(T1).

## <TÜRKÇE>

Aslı İngilizce'dir. Diğer dillerdeki sürümler aslının çevirisidir.

### ⚠ DİKKAT

- Soğutucu sızıntısı boğulma tehlikesine yol açabilir. EN378-1'e göre havalandırma sağlayın.
- Boruların etrafına izolasyon malzemesi kaplamayı unutmayın. Çıplak boruya doğrudan temas etmek yanmaya ve soğuk ısırmasına neden olabilir.
- Yanlışlıkla yutmamak için pilleri hiçbir nedenle asla ağzınıza sokmayın.
- Pili yutmak boğulmaya ve/veya zehirlenmeye neden olabilir.
- Aşırı çalışma sesinin veya titreşimin oluşmaması için üniteyi sert bir yapı üzerine kurun.
- Ses ölçümü JIS C9612, JIS B8616, ISO 5151(T1), ve ISO 13523(T1) standartlarına göre yapılır.

## <РУССКИЙ>

Язык оригинала является английский. Версии на других языках являются переводом оригинала.

### ⚠ ОСТОРОЖНО

- Утечка хладагента может стать причиной удушья. Обеспечьте вентиляцию в соответствии с EN378-1.
- Обязательно оберните трубы изоляционной обмоткой. Непосредственный контакт с неизолированным трубопроводом может привести к ожогам или обморожению.
- Запрещается класть элементы питания в рот по каким бы то ни было причинам во избежание случайного проглатывания.
- Попадание элемента питания в пищеварительную систему может стать причиной удушья и/или отравления.
- Устанавливайте устройство на жесткую структуру во избежание чрезмерного шума или чрезмерной вибрации во время работы.
- Измерение шума выполняется в соответствии с JIS C9612, JIS B8616, ISO 5151(T1) и ISO 13523(T1).

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Please be sure to put the contact address/telephone number on  
this manual before handing it to the customer.

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