Panasonic

Save These Instructions!

Conserver ce mode d'emploi!

Diese Anleitung aufbewhren!

Conservare queste istruzioni!

Guarde estas instruções!

Εκτός από αυτές τις οδηγίες!

Guarde estas instruccónes!

Сохраните эту инструкцию!

Збережіть ці інструкції!

CZ-RTC2

Timer Remote Controller	INSTRUCTION MANUAL	EN
Télécommande de minuterie	MANUEL D'INSTRUCTIONS	FR
Zeitschaltuhr-Fernbedienung	BEDIENUNGSANLEITUNG	DE
Telecomando del timer	MANUAL DI ISTRUZIONI	IT
Controlador remoto do temporizador	MANUAL DE INSTRUÇÕES	PT
Τηλεχειριστήριο χρονοδιακόπτη	ΟΔΗΓΙΕΣ ΧΡΗΣΗΣ	GR
Controlador remoto del temporizador	MANUAL DE INSTRUCCIONES	ES
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funcionamiento/Кнопки управления/Кнопки управління**
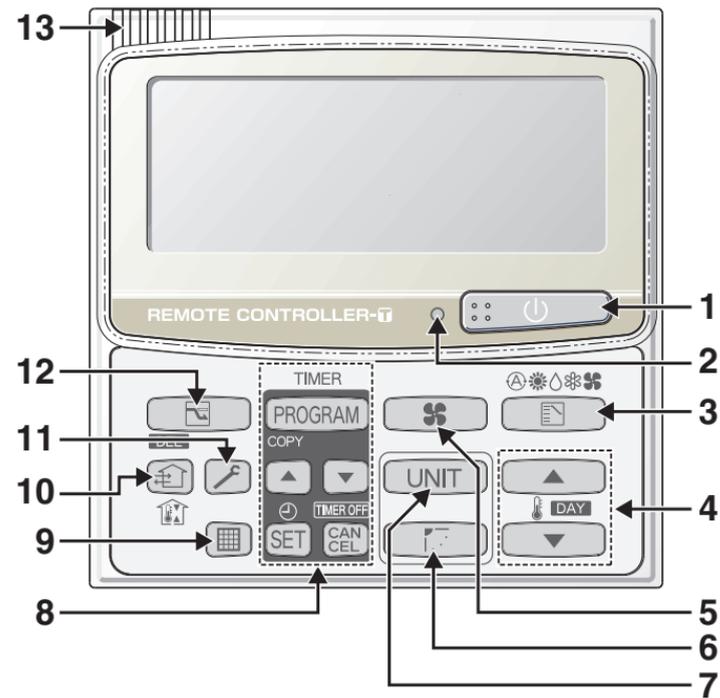
**Display/Affichage/Anzeige/Display/Mostrador/Οθόνη ενδείξεων/
Pantalla/Дисплей/Дисплей**

I
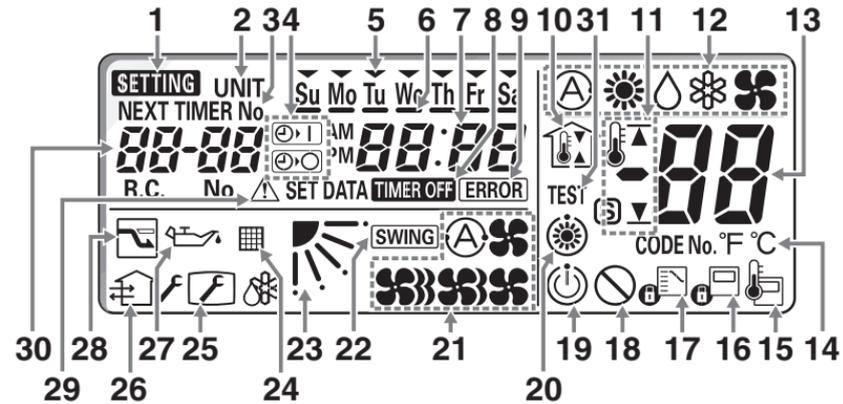
II

1. Important Safety Instructions

Before using the system, be sure to read these "Important Safety Instructions".
After reading this manual, save it in a convenient place.

⚠ **Warning**

Installation Precautions

- Do not install by yourself.
  Installation should always be performed by your dealer or a professional service provider.
  Electric shock or fire may result if an inexperienced person performs any installation or wiring procedures incorrectly.
- Use only specified air conditioners.
  Always use only air conditions specified by the dealer.

Precautions for Use

- Do not touch switches with wet hands.
  Electric shock and damage to the system can result.
- Protect the remote controller from water.
  Damage to the system can result.
- Stop the system and turn the power off if you sense unusual smells or other irregularities.
  Continuing operation when the system is out of order can result in electric shock, fire, and damage to the system. Contact your dealer.

Moving and Repair Precautions

- Do not repair.
  Never repair the system by yourself.
- Contact your dealer before moving the system.
  Contact your dealer or a professional service provider about moving and reinstalling the system.
  Electric shock or fire may result if an inexperienced person performs any installation procedures incorrectly.

Note:
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- FCC Caution: To assure continued compliance, follow the attached installation instructions. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

EN

2. Names and Operations

1. **(Start/Stop) button**
   Pushing this button starts, and pushing again stops the unit.

2. **Operation lamp**
   The lamp is turned on when an air conditioner is in operation.
   This lamp blinks when an error occurs or a protective device is activated.

3. **(Mode select) button**
   Pushing this button selects an operation mode. (AUTO⒜ /HEAT☀ /DRY◊ /COOL❄ / FAN🍃).

4. **Temperature setting buttons**
   Changing the temperature setting.

5. **(Fan speed) button**
   Changing the fan speed.

6. **(Swing/Air direction) button**[*1]
   Use this button to set the auto swing or air direction to a specific angle.

7. **(Unit select) button**
   When more than one indoor unit is operated by one remote control unit, this button is used to select a unit when adjusting the air direction.

8. **Timer setting buttons**
   (☞ Weekly Program Function)

9. **(Filter reset) button**
   Use this button to reset the filter sign.
   When ▦ is displayed, press this button after cleaning the filter.

10. **(Ventilation) button**
    Use this button when you installed a fan available in the market. Pressing this button turns on and off the fan. When turning off the air conditioner, the fan will be also turned off. (While the fan is operating, ⩕ will appear in the display.)
    *If ◯ is displayed on the LCD of the remote control unit when pressing the ventilation button, no fans are installed.

11. **(Inspection) button**
    Do not use this button.

12. **(Sleeping) button**
    (☞ Sleeping Function)

13. **Remote control sensor**
    Normally, the temperature sensor of the indoor unit is used to detect the temperature. However, it is also possible to detect the temperature around the remote control unit.

*1 Do not move the flap (vertical airflow adjustment board) with your hand.
   • The flap is automatically directed down when the unit is stopped.
   • The flap is directed up during the HEAT standby. The flap starts swinging after the HEAT standby is cancelled, although the AUTO flap indication on the remote control unit is displayed during the HEAT standby.

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1. **SETTING (Setting) indication**
   Appears when the timer program is being set.

2. **UNIT (Unit) indication**
   Indicates the unit No. of the indoor unit which is selected with the Unit select button, or the unit in which an abnormality occurs.

3. **TIMER No. (Timer No.) indication**
   Appears when the time program is being set.

4. **Timer program indication**
   ⊕⎸: The indoor unit starts operation at the programmed time.
   ⊕⎋: The indoor unit stops operation at the programmed time.

5. **▼ (Today's day of the week) indication**
   Indicates today's day of the week.

6. **▬ (Program schedule) indication**
   Appears under days that are scheduled for program operation.

7. **Present time indication**
   Displays the present time on a 24-hour clock. Also, displays settings in the various setting modes.

8. **TIMER OFF (Timer off) indication**
   Displayed when the timer has been turned OFF.

9. **ERROR (Error) indication**
   Displayed when a mistake is made during timer setting.

10. **🛆 (Outing) indication (☞ Outing function)**
    Appears when the outing function is set.

11. **Upper and lower limit indication of the outing function**
    ▼̄: Indicates the upper limit of the temperature
    ▼: Indicates the lower limit of the temperature

12. **Operation Mode indication**
    Displays the selected operation mode. (AUTO⒜ /HEAT☀ /DRY◊ /COOL❄ / FAN❀).

13. **Temperature indication**
    Indicates the set temperature.

14. **˚F / ˚C (Temperature unit) indication**

15. **🛆 (Remote control sensor) indication**
    Appears when the remote control sensor is used.

16. **🛆 (Centralized control) indication**
    Appears when operated in centralized control. If the remote control operation is not permitted to the remote unit, when the Start/Stop button, Mode select button or Temperature setting button is pressed, 🛆 flashes and rejects the change.

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Display Section **(Refer to page II)**

17. ⚙ (Operation mode change control) indication
Displays when an operation mode is entered by the remote control unit, while another operation mode has been already selected. This indicates that the operation mode cannot be changed.

18. ⊘ (Disabled feature) indication
Displayed if the selected feature was disabled during installation.

19. ⟳ Peak cut mode (Demand)/GHP operation standby indication
Appears during the peak cut mode (Demand) if an electric heat pump (EHP) air conditioner is used or during standby if a gas heat pump (GHP) air conditioner is used.

20. ❄ (Heating standby mode) indication
Appears when the fan of the indoor unit is stopped or in low fan speed.

21. Ⓐ❀ / ❀ / ❀ / ❀ (Fan mode select) indication
The selected fan mode is displayed.

22. SWING (Swing) indication
Appears while the flap swings.

23. ⟱ (Flap position) indication
Indicates the flap position.

24. ▦ (Filter) indication
Appears when filter needs cleaning. Clean the filter.

25. 🖉 (Maintenance function) indication
Appears when the maintenance function (monitoring sensor temperatures) is activated.

26. ⊟ (Ventilation) indication
Appears when a fan available in the market is installed and is operating.

27. ⊕⟍ (Oil) indication
Appears when the engine oil needs to be changed. (Appears when the gas heat pump air conditioner is used.)

28. ◲ (Sleeping) indication
Appears during the sleeping function.

29. ⚠ (Caution) indication
Appears when the protective device is activated or when an abnormality occurs.

30. Unit No. indication
Indicates the unit No. of the selected indoor unit.

31. TEST (Test) indication
Appears while in test operation.

3. Setting the Present Time

1. **Press and hold <img> for more than 2 seconds to enter the present day and time setting mode.**

   Once you enter the setting mode, **SETTING**, "🔻"(day) and "time" flash.

2. **Set "🔻" to today's day of the week.**

   Press `DAY` *1 `▲` to move "🔻" (flashing on the display) in the order of : Su → Mo → Tu → .... Press `▼` to move it in the order of : Su → St → Fr → ....

   *1 While in time setting mode, the Temperature setting buttons function as `DAY` (changing day) button.

3. **Press `▲` / `▼` to change the present "hour" in the range of 0 to 23*2.**

   Set the present hour and press <img>.

   The "hour" digits light up, and the "minute" digits start flashing.

   *2 If the clock uses the 12 hours AM/PM setting, the hour is displayed in the range of AM 0 to 11/PM 0 to 11.

4. **Press `▲` / `▼` to change the present "minute" in the range of 0 to 59.**

   Set the present minute and press <img>. The day and time are set and the unit finishes the setting mode.

3,4 1,3,4   2

EN
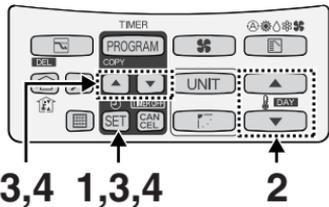
Note

- The unit returns to the normal mode if <img> is pressed or there is no operation made for 3 minutes during the setting. In this case, all the settings in progress will be lost.

- If the present time is invalid, "– – : – –" is displayed.

  If the power failure for more than 1 hour occurs, check if the set data of day and time are valid.

4. Weekly Program Function

Checking Weekly Timer

Set the weekly program assigning a given timer to each day of the week.
Maximum of 6 programs a day and 42 programs a week can be set.
Select the day and the TIMER number you want to program.

Program image diagram

Vertical scale indicates the
TIMER No., and horizontal scale
indicates the day.

* If the day is changed, the
TIMER No. returns to "1".

DAY button

TIMER No.

Su Mo Tu We Th Fr Sa

Select a section from
the 42 programs.
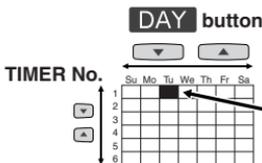
1. **Press PROGRAM to enter the program confirmation mode "$\mathcal{L} \mathcal{H}$" and start setting.**
    Once you enter the program confirmation mode, the present day is indicated as TIMER No. "1".

2. **Select the day.**
    Press DAY and ▲ / ▼ to move the "▼" horizontally on the day to select.
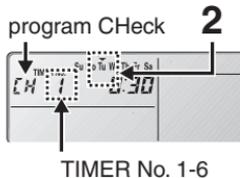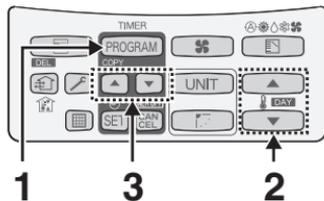   Press ▲ to move "▼" (flashing on the display) in the order of : Su → Mo → Tu⋯.
    Press ▼ to move it in the order of : Su → Sa → Fr⋯.
    "– – : – –" is displayed when the program is not set.

3. **Select a Timer number.**
    Press ▲ / ▼ to select a TIMER No. from 1 to 6.
    Press ▲ to move up from 1.
    Press ▼ to move down from 6.

program CHeck

TIMER No. 1-6

• Changing the Program Timer

To set the weekly program, follow the steps below.

1. **Select the program you want to set in the program confirmation mode, and press 🔘. This enters the setting mode of the program currently displayed.**

   * In the program setting mode, **SETTING**, "hour", "minute" and "item" flash on the display.

2. **Set the "hour". (program step 1)**
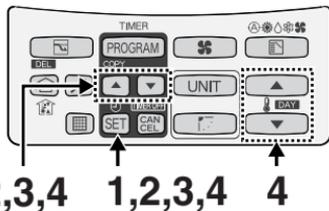   Press ▲ / ▼ to set the "hour".
   Confirm the "hour" and press 🔘. This enters the program changing mode $P2$ (setting of the "minute").

3. **Set the "minute". (program step 2)**
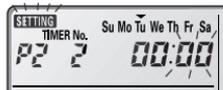   Press ▲ / ▼ to set the "minute".
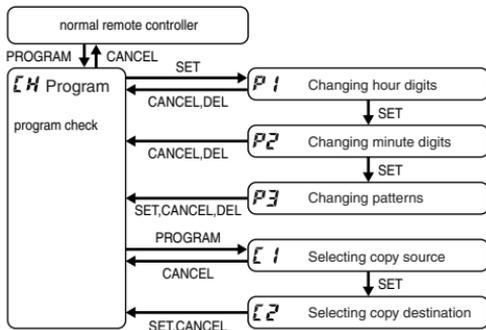   Confirm the "minute" and press 🔘. The unit enters $P3$ (the program pattern selection mode).

2,3,4   1,2,3,4   4

Program step1

Program step2

4. Set the program pattern.
   (program step 3)
   There are 4 program patterns.
   Pressing ▲ / ▼ repeats the following display patterns.

Pattern 1

The indoor unit starts operation at the programmed time.

Pattern 2

The indoor unit stops operation at the programmed time.

Pattern 3

The indoor unit starts operation at the programmed time and changes the temperature settings.

Press ▲ / ▼ to change the temperature setting.

Pattern 4

The indoor unit changes the temperature setting at the programmed time.

Press ▲ / ▼ to change the temperature setting.
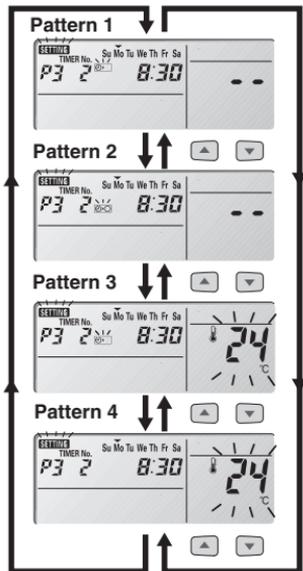
Select the program pattern and press 🕐SET. The program timer setting is confirmed and the unit enters the confirmation mode *CH*.

Note
- If you press CANCEL during the setting, it returns to the program confirmation mode.
- If there is no operation made for 3 minutes during the setting, it returns to the normal mode.
  In this case, all the settings in progress will be invalid.

• Deleting the Program Timer

To delete the program timer setting, follow the steps below.

1. Press [PROGRAM] to enter the program confirmation mode.
2. Press [▲] / [▼] to select the day of the program you want to delete.
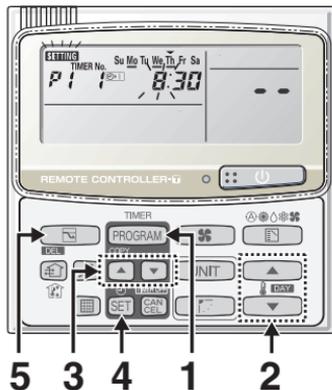3. Press [▲] / [▼] to select a TIMER No. (from 1 to 6).
4. Press [SET] to display the program setting mode $P\ 1$.
5. Press [◥] to delete the program.
   DEL

Note
- After deleting, the unit returns to the program confirmation mode $\varGamma H$.
- If you press [CAN CEL] during the setting, the unit returns to the program comfirmation mode.
- If there is no operation made for 3 minutes during the setting, the unit returns to the normal mode.

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• Invalidating Program Timer

If you want to adjourn the program operation for more than 1 week, you can invalidate all the timer settings. Once the timer settings are invalidated, the program will not be operated until the invalidation is cancelled.

<<How to invalidate the program timer>>

Press and hold [CAN CEL] for more than 2 seconds.
TIMER OFF is displayed and the programs will be invalidated from the next one.

<<How to cancel the program timer invalidation>>

Press and hold [CAN CEL] for more than 2 seconds.
TIMER OFF disappears and the programs will be validated from the next one.

If Power Failure Occurred
If the power recovers in a short time period, the program after the recovered time will be valid.
If the power recovered more than 1 hour after the failure, the present time information will be lost. In this case, the program will not be operated.

• Duplicating the Program Timer

You can duplicate the preset program by day.

Select the copy source.

1. If PROGRAM is pressed in program checking mode ζH, it enters the copy mode (Selecting the copy source $\zeta \iota$) of the program timer.

   While in the copy mode of the program timer, **SETTING** and ▼ (day) of the copy source flash on the display.

2. Press ▲ / ▼ to select the day of the copy source.

   Select the copy destination.

3. If SET is pressed in the mode of selecting the copy source $\zeta \iota$, it enters the copy mode (Selecting the copy destination $\zeta \zeta$) of the program timer.

4. Press ▲ / ▼ to select the day of the copy source. Then, press SET to complete copying and return to the program checking mode.

1   3,4   2,4
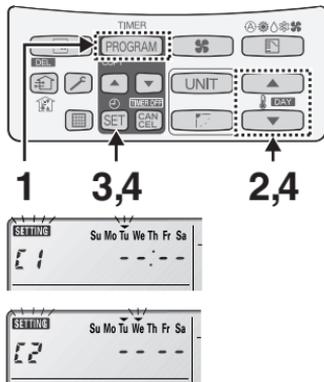
Note

The program will be overwritten if the preprogrammed day is selected as a copy source.

• Before Asking Repair Work

Before asking repair work, please check the followings.

| Trouble	Possible Cause/Remedy
"ERROR" is displayed when the minute digits are entered.	If there is another TIMER No. which has the program of the same time and same day, you cannot overlap the setting.
The set data is not stored.	The stored programs are automatically sorted by the time. Check if the data is stored in the other TIMER No.
Program does not function.	Check if the time indication is not "– – : – –". When the time is invalid, the program is also invalid.
	Check the remote controller prohibition inside. In that case, the program is invalid.

5. Outing Function

Outing function is a function that prevents the room temperature from increasing too much (or decreasing too much) when no one is in the room.
An air conditioner works automatically if this function is set effective.

General Performance of the Outing Function

COOL / DRY

Outing function upper limit

① The air conditioner starts operation when the room temperature increases up to −1°C of the upper limit.
② The air conditioner stops operation when the room temperature decreases up to −2°C of the upper limit.

1°C

1°C

Room temperature
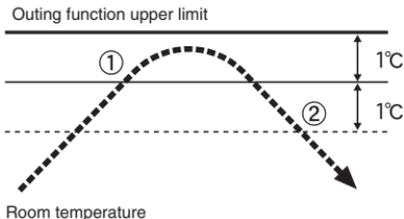
HEAT

Room temperature

① The air conditioner starts operation when the room temperature decreases up to +1°C of the lower limit.
② The air conditioner stops operation when the room temperature increases up to +2°C of the lower limit.

1°C

1°C

Outing function Lower limit
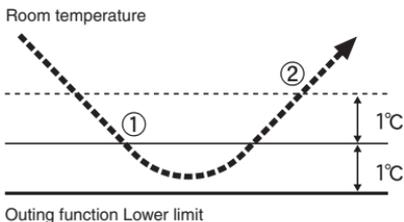
[Precautions]

• The outing control only starts/stops the air conditioner. It does not change the operation mode/ temperature setting.
  Therefore, the operation mode/temperature needs to be set beforehand so that the outing function turns on the air conditioner with your desired operation mode/ temperature setting.
• If the room temperature rapidly changes, the room temperature may get over the upper or lower limit when the outing function is activated.
• The outing function is invalid during FAN/AUTO operation mode.
• The air conditioner's stop order (stated in ② ⁄ above) is valid only when the outing function is operated.
  If operated using other remote control unit (or a centralized control device such as a system control), the outing function does not work.

• **Setting the Outing Function**

1. **Press and hold 🏠 for more than 2 seconds to display the upper limit temperature setting screen.**
   🏠 , ▲ and the upper limit temperature start flashing.
   (The default value of the upper limit temperature is 38 °C.)

2. **Press ▲ / ▼ to select the upper limit temperature, and press SET to fix the value. The lower limit temperature setting screen is displayed.**

3. **Press ▲ / ▼ to select the lower limit temperature, and press SET to fix the value. The outing function setting is completed. (The default value of the lower limit temperature is 10 °C.)**
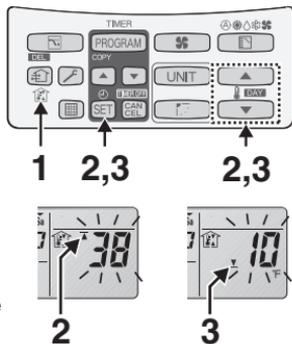
* The unit returns to the normal mode if CAN/CEL is pressed or there is no operation made for 3 minutes during the setting. In this case, all the settings in progress will be lost.

• **Canceling the outing function**
Press and hold 🏠 for more than 2 seconds while the outing function is set.

• **Outing function indication**

Outing function indication	Status
Off	The outing function is not set.
Flashing	The outing function is now being set, or under operation.
Lighting	Although the outing function is set, not under operation.

Note

A remote controller loses outing function operation information when it is cut for more than one hour during the outing function operation by electricity. It reverts from the blackout, and an air conditioner does not drive in outing function when operation is started. At this time, an air conditioner does not stop at outing function.

6. Sleeping Function

* This function leads you to a comfortable sleep and changes the room temperature during your sleep.
* You can set the off timer every one hour from 1 to 10 hours.

Operating time | Display of remote control unit (during the time setting)

Sleeping function indication | Off time | In case the present time is 23:00.

Display of remote control unit (during sleeping function setting)

Sleeping function indication
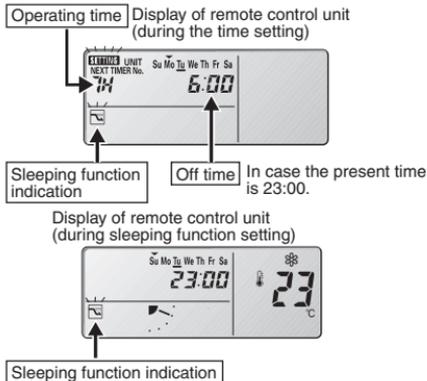
* If no operation is made for 3 minutes, the time setting mode will be automatically finished.

Ex. In case of 7 hours timer

1. Press [🔽].
* Each time the button is pressed, the indication changes in the following order.

```
→ 7H → 6H → ····· → 1H → 10H → ····· → 8H ┐
              (every one hour)
```
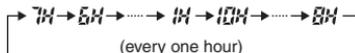
(Press [CAN/CEL] to stop the time setting.)

2. Press [SET].
* The sleeping operation starts.

When the off time comes:

* The indoor unit stops.
    * The temperature returns to the setting at the time when sleeping function operation started.

To cancel the sleeping function operation:

* Press [🔽].
    * The temperature setting remains at the time cancelled.
* The following buttons also cancel the sleeping function operation.

    [⠿ ⏻] button

    Stops the indoor unit after the sleeping function operation is cancelled.

    [📄] button

    Changes the operation mode after the sleeping function operation is cancelled.

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• If [⬚] button does not work.

Or if the operation does not start even if [SET] is pressed.

Check the following table.

Item	Display of the remote control unit (Lighting/flashing indication)	Contents
1	**ERROR** The Error indication flashes (for several seconds).	The clock is not set.
2	⃠ "This function is not available" indication lights up (for several seconds).	When the operation mode is set to AUTO or FAN, this function is not available.
3	⬚ Centralized control indication flashes (for several seconds).	The centralized control device is prohibited from starting/stopping the unit or change the temperature setting.

The sleeping function operation will be cancelled in the following cases:
1: When the unit is operated to stop or change the temperature setting by the other remote control unit or centralized control device.
2: When the unit is operated to stop or change the temperature setting with the weekly program function / outing function.
3: When the centralized control unit is prohibited from stopping the unit or changing the temperature setting.

Note

Trouble	Possible Cause/Remedy
The temperature setting does not decrease (increase).	The temperature over the upper or lower limit or each operation mode cannot be set.
Operation under the sleeping function does not finish.	Note if you change the time after the sleeping function started. The operation does not finish until it reaches to the set starting time.