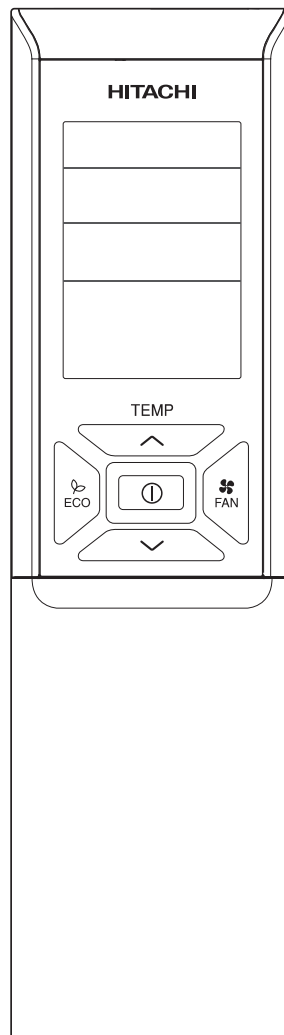


HITACHI

Remote Controller Manual

MODEL

RAR-6N1

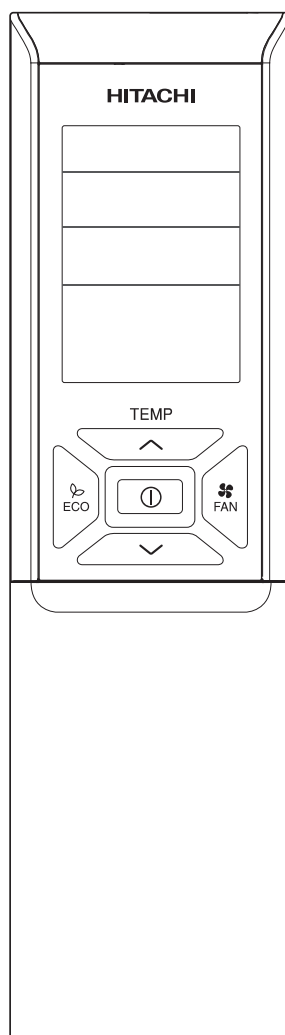


HITACHI

Remote Controller Manual

MODEL

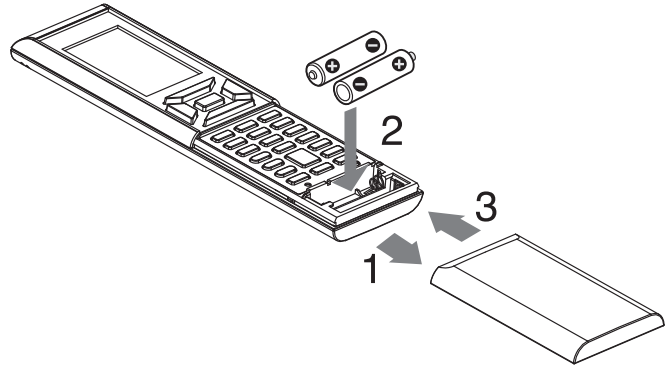
RAR-6N1



PREPARATION BEFORE OPERATION

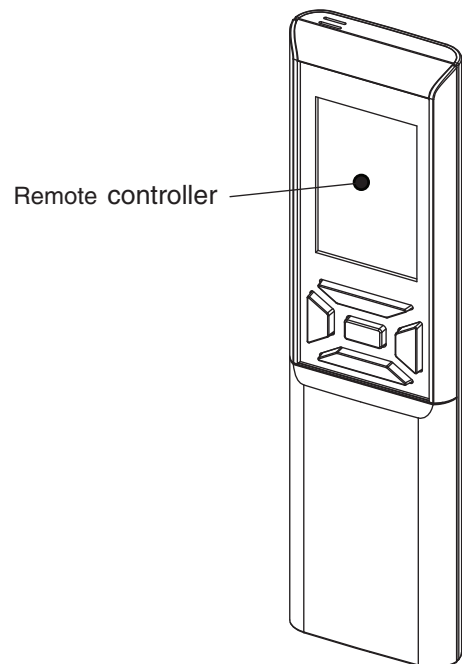
■ To install the batteries

1. Slide the cover to take it off.
2. Install two dry batteries AAA.LR03 (alkaline).
The direction of the batteries should match the marks in the case.
3. Replace the cover at its original position.



■ To fix the remote controller holder to the wall

1. Choose a place from where the signals can reach the unit.
2. Fix the remote controller holder to a wall, a pillar or similar location with the provided screws.
3. Place the remote controller in the remote controller holder.



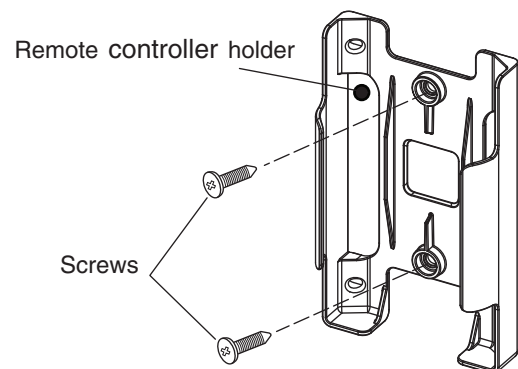
NOTE

Notes on batteries

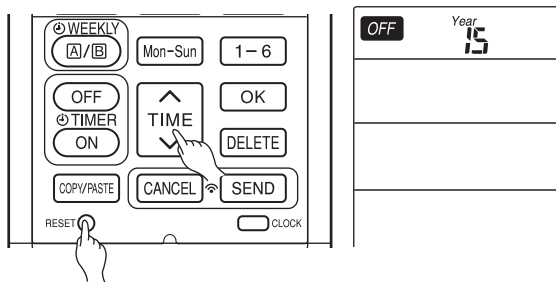
- When replacing the batteries, use batteries of the same type, and replace both old batteries together.
- When the system is not used for a long time, take the batteries out.
- The batteries will last for approximately 1 year. However, if the remote controller display begins to fade and degradation of reception performance occurs within a year, replace both batteries with new size AAA.LR03 (alkaline).
- The attached batteries are provided for the initial use of the system.
The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

Notes on the remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the service shop.
- When the remote controller is not in use, please close the slide cover to prevent failure.

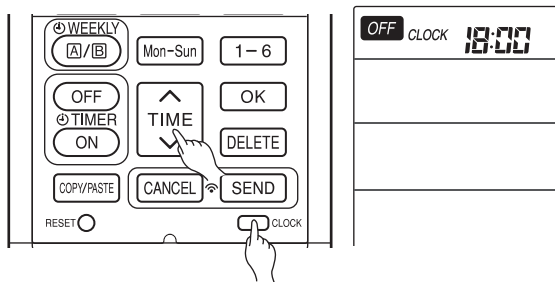
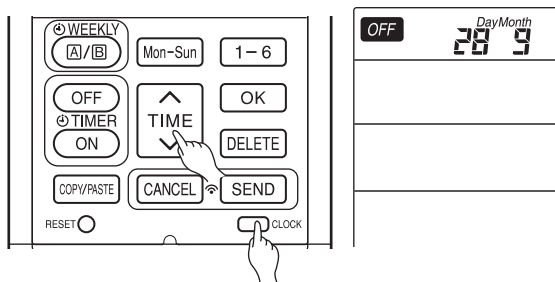


PREPARATION BEFORE OPERATION



■ To set calendar and clock

1. Press **RESET** (RESET) button when first time setting. "Year" blinks.
 2. Press **TIME** (TIME) button to set the current year.
 3. Press **CLOCK** (CLOCK) button. "Day" and "Month" blink.
 4. Press **TIME** (TIME) button to set the current day and month.
 5. Press **CLOCK** (CLOCK) button. "CLOCK" blinks.
 6. Press **TIME** (TIME) button to set the clock to the current time.
 7. Press **CLOCK** (CLOCK) button.
- Calendar and clock are set.



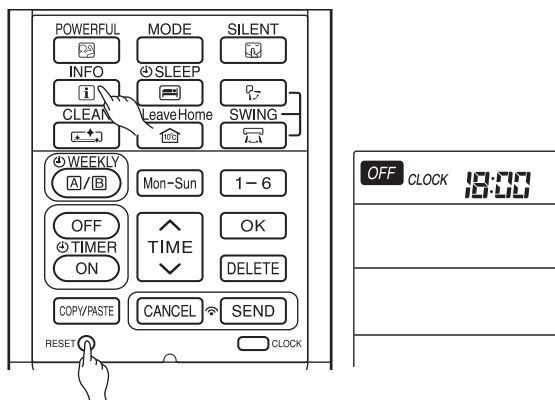
To modify the calendar and clock, press **CLOCK** (CLOCK) button.
Then follow steps 1 to 7.

Calendar and clock need to be set again after changing batteries.

After changing the batteries,

1. Press **RESET** (RESET) button.
2. Direct remote controller towards indoor unit and press **INFO** (INFO) button.
3. The calendar and clock from indoor unit will be transmitted.

- Calendar and clock will not be transmitted from indoor unit when the following occurs:
 - When there is a power failure.
 - When breaker is OFF by user (unit is not in STANDBY MODE).



NOTE

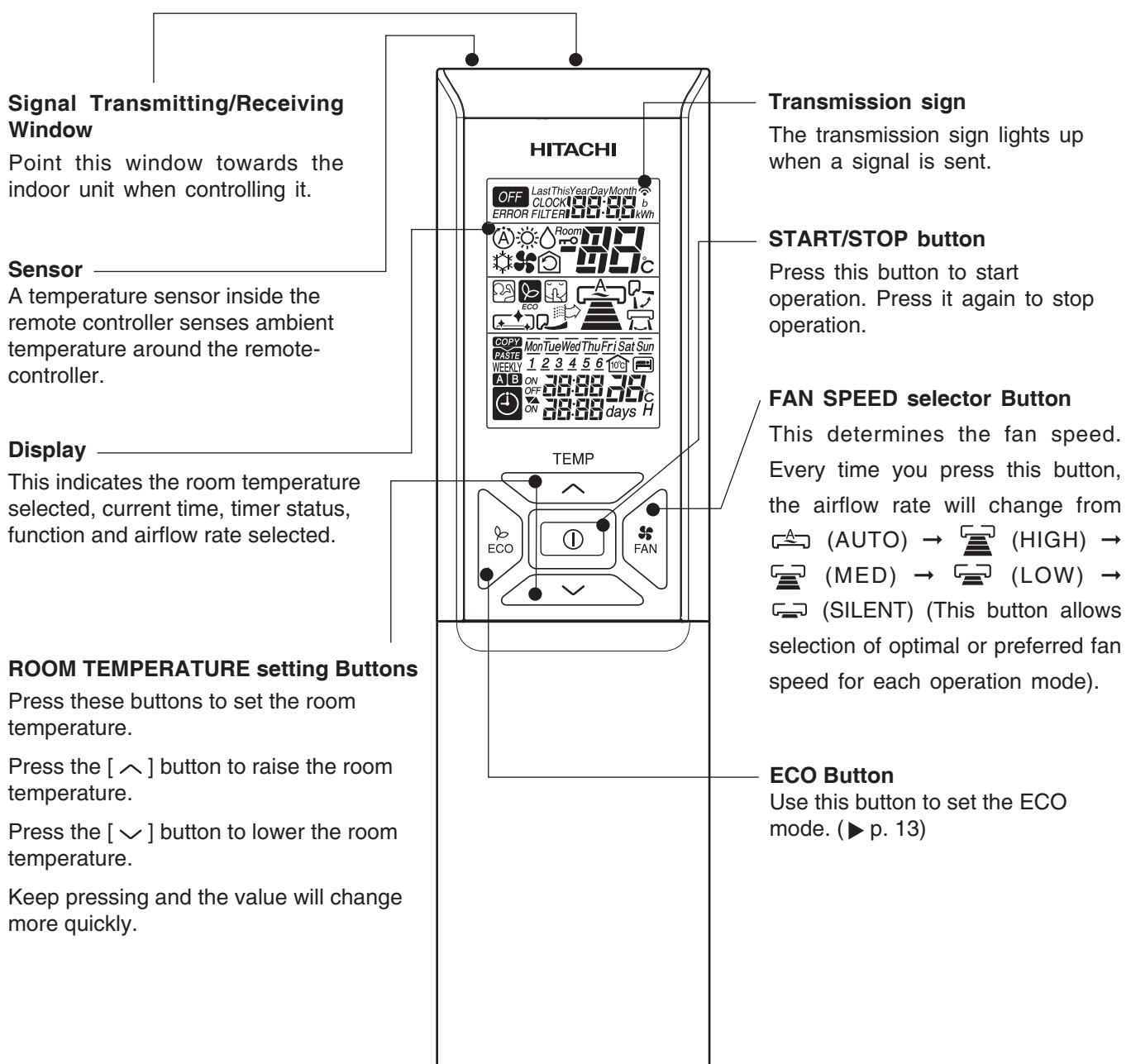
Note on setting the calendar and clock.

- If the calendar and clock are not set, the ON-timer, OFF-timer and Weekly Timer cannot be set.
- If the calendar and clock are not set correctly, the ON-timer, OFF-timer and Weekly Timer will not operate correctly.
- When the ON-timer, OFF-timer and Weekly Timer are set, the calendar and clock cannot be changed. If there is a need to change the calendar and clock, ON-timer, OFF-timer and Weekly Timer need to be cancelled.

NAMES AND FUNCTIONS OF REMOTE CONTROLLER

REMOTE CONTROLLER

- This controls the operation of the indoor unit. The range of control is about 7 meters. If indoor lighting is controlled electronically, the range of control may be shorter.
This unit can be fixed on a wall using the fixture provided. Before fixing it, make sure the indoor unit can be controlled from the remote controller.
- Handle the remote controller with care. Dropping it or getting it wet may compromise its signal transmission capability.
- After new batteries are inserted into the remote controller, the unit will initially require approximately 10 seconds to respond to commands and operate.
- When remote controller is not in use for about 3 minutes during OFF condition, indicated by **OFF** on the display, the LCD will turn off.
- During clock setting, the LCD will turn off about 10 minutes later if the remote controller is not in use.
- When pressing any button, the LCD will turn on.
- The LCD will not turn off during TIMER setting.



NAMES AND FUNCTIONS OF REMOTE CONTROLLER

POWERFUL Button

Use this button to set the POWERFUL mode. (► p. 11)

INFORMATION Button

(► p. 26)

ONE TOUCH CLEAN Button

(► p. 16)

LEAVE HOME Button

(► p. 15)

ECO SLEEP TIMER Button

Use this button to set the ECO sleep timer. (► p. 18)

ON / OFF TIMER setting Buttons

(► p. 17)

MODE selector Button

Use this button to select the operating mode. Every time you press this button, the mode will change from (AUTO) → (HEAT) → (DEHUMIDIFY) → (COOL) and → (FAN) cyclically.

SILENT Button

Use this button to set the SILENT mode. (► p. 12)

AUTO SWING (Vertical) Button

Controls the angle of the horizontal air deflector. (► p. 10)

AUTO SWING (Horizontal) Button

Controls the angle of the vertical air deflector. (► p. 10)

WEEKLY TIMER setting Buttons

(► p. 20)

	MODE SELECTOR
	AUTO
	HEAT
	DEHUMIDIFY
	COOL
	FAN
	FAN SPEED
	AUTO SILENT
	LOW
	MED
	HIGH
	START / STOP
	ECO

	FAN
	POWERFUL
	SILENT
	INFO
	SLEEP TIMER
	AUTO SWING (VERTICAL)
	AUTO SWING (HORIZONTAL)
	LEAVE HOME
	CLEAN
Mon-Sun	DAY
1-6	PROGRAM NO.

	ON / OFF TIMER
	TIME
	OK
	DELETE
	COPY / PASTE
	CANCEL
	SEND
	CLOCK

Precautions for Use

- Do not put the remote controller in the following places.
 - Under direct sunlight.
 - In the vicinity of a heater.
- Handle the remote controller carefully. Do not drop it on the floor, and protect it from water.
- Once the outdoor unit stops, it will not restart for about 3 minutes (unless you turn the power switch off and on or unplug the power cord and plug it in again). This is to protect the device and does not indicate a failure.
- If you press the MODE selector button during operation, the device may stop for about 3 minutes for protection.

VARIOUS FUNCTIONS

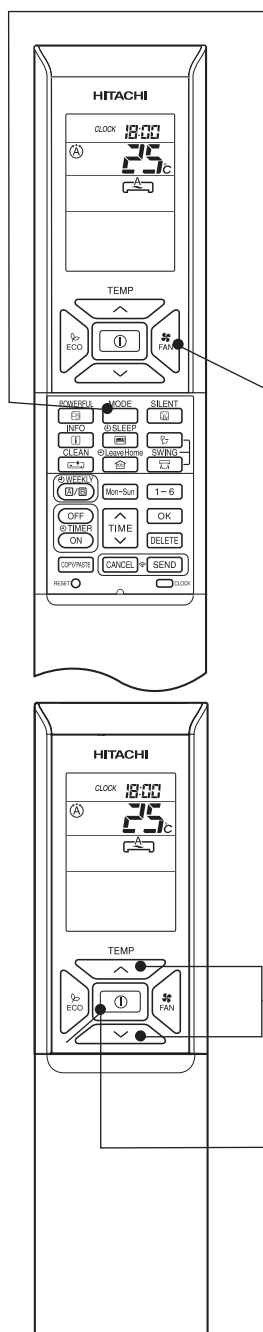
■ Auto Restart Control

- If there is a power failure, operation will be automatically restarted when the power is resumed with previous operation mode and airflow direction.
(As the operation is not stopped by remote controller.)
- If you intend not to continue the operation when the power is resumed, switch off the power supply.
When you switch on the circuit breaker, the operation will be automatically restarted with previous operation mode and airflow direction.


Note: 1. If you do not require Auto Restart Control, please consult your sales agent.
2. Auto Restart Control is not available when Timer or Sleep Timer mode is set.

AUTOMATIC OPERATION

The device will automatically determine the mode of operation, HEAT or COOL depending on the current room temperature. The selected mode of operation will change when the room temperature varies. However, the mode of operation will not change when indoor unit is connected to multi type outdoor unit.




1

Press the MODE selector button so that the display indicates the  (AUTO) mode of operation.

- When AUTO has been selected, the device will automatically determine the mode of operation, HEAT or COOL depending on the current room temperature. However the mode of operation will not change when indoor unit is connected to multi type outdoor unit.
- If the mode automatically selected by the unit is not satisfactory, manually change the mode setting (HEAT, DEHUMIDIFY, COOL or FAN).

2

Set the desired FAN SPEED with the  (FAN SPEED) button (the display indicates the setting).


```


    graph LR
      A["(AUTO)"] --> B["(HIGH)"]
      B --> C["(MED)"]
      C --> D["(LOW)"]
      D --> E["(SILENT)"]
      E --> A
  
```


3

Set the desired room temperature with the TEMPERATURE buttons (the display indicates the setting).
The temperature setting and the actual room temperature may vary depending on conditions.
Temperature range can be set between 16°C and 32°C.

**START
STOP**

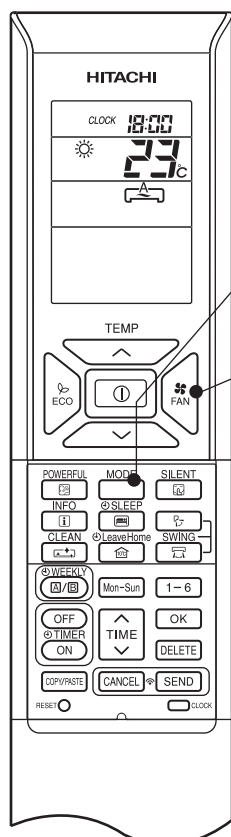
Press the  (START/STOP) button.
Operation starts with a beep.
Press the button again to stop operation.

- As the settings are stored in the memory of the remote controller, you only have to press the  (START/STOP) button next time.

Press the  (FAN SPEED) button to select AUTO, HIGH, MED, LOW or SILENT.

HEATING OPERATION

- Use the device for heating when the outdoor temperature is under 21°C.
When it is too warm (over 21°C), the heating function may not work in order to protect the device.
- In order to maintain reliability of the device, please use this device when outdoor temperature is above -15°C.

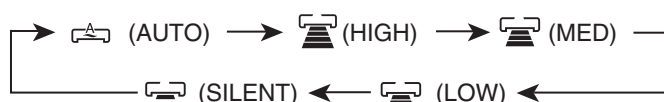


1

Press the MODE selector button so that the display indicates (HEAT).

2

Set the desired FAN SPEED with the (FAN SPEED) button (the display indicates the setting).



3

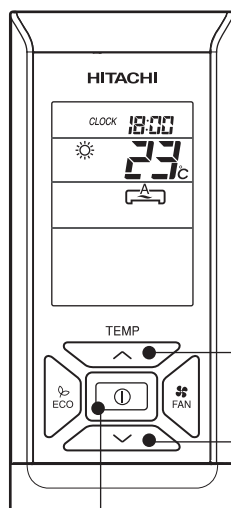
Set the desired room temperature with the TEMPERATURE buttons (the display indicates the setting).

The temperature setting and the actual room temperature may vary depending on conditions.

Temperature range can be set between 16°C and 32°C.

**START
STOP**

Press the (START/STOP) button. Heating operation starts with a beep. Press the button again to stop operation.



- As the settings are stored in the memory of the remote controller, you only have to press the (START/STOP) button next time.
- During AUTO fan, the fan speed automatically changes as below:
 - When the difference between room temperature and setting temperature is large, fan starts to run at HI speed.
 - After room temperature reaches the preset temperature, fan speed will be changed to lower speed to obtain optimum room temperature condition for natural healthy heating.

Defrosting

Defrosting will be performed about once an hour when frost forms on the heat exchange of the outdoor unit, for 5~10 minutes each time.

During defrosting operation, the operation lamp blinks in a cycle of 3 seconds on and 0.5 second off.

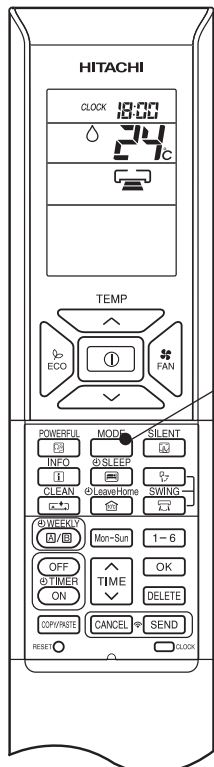
The maximum time for defrosting is 20 minutes.

However, if the indoor unit is connected to multi type outdoor unit, the maximum time for defrosting is 15 minutes.

(If the piping length used is longer than usual, frost is likely to form.)

DEHUMIDIFYING OPERATION

Use the device for dehumidifying when the room temperature is over 16°C.
When it is under 15°C, the dehumidifying function will not work.



1

Press the MODE selector button so that the display indicates (DEHUMIDIFY).
The fan speed is set at LOW.
Press (FAN SPEED) button to select SILENT or LOW fan speed.

2

Set the desired room temperature with the ROOM TEMPERATURE setting buttons (the display indicates the setting).

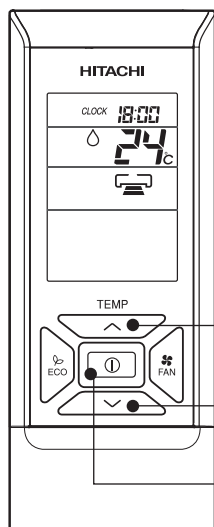


The range of 20-26°C is recommended as the room temperature for dehumidifying.
Temperature range can be set between 16°C and 32°C.

**START
STOP**

Press the (START/STOP) button. Dehumidifying operation starts with a beep. Press the button again to stop operation.

- As the settings are stored in the memory of the remote controller, you only have to press the (START/STOP) button next time.



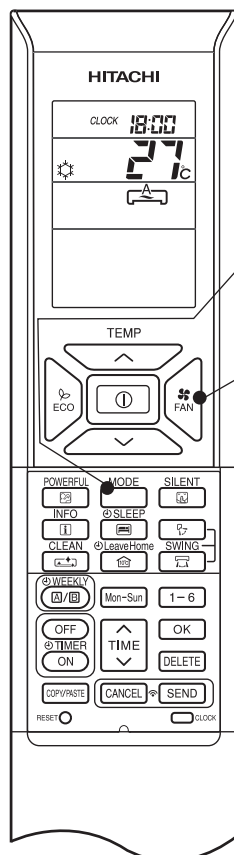
■ Dehumidifying Function

- When the room temperature is higher than the temperature setting: The device will dehumidify the room, reducing the room temperature to the preset level.
When the room temperature is lower than the temperature setting: Dehumidifying will be performed at the temperature setting slightly lower than the current room temperature, regardless of the temperature setting.
- The preset room temperature may not be reached depending on the number of people present in the room or other room conditions.

COOLING OPERATION


Use the device for cooling when the outdoor temperature is -10~43°C.

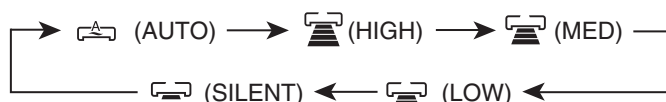
If indoors humidity is very high (80%), some dew may form on the air outlet grille of the indoor unit.


1

Press the MODE selector button so that the display indicates  (COOL).

2

Set the desired FAN SPEED with the  (FAN SPEED) button (the display indicates the setting).




3


Set the desired room temperature with the TEMPERATURE buttons (the display indicates the setting).

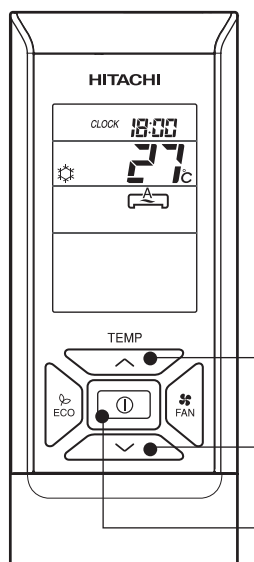
The temperature setting and the actual room temperature may vary depending on conditions.

Temperature range can be set between 16°C and 32°C

**START
STOP**

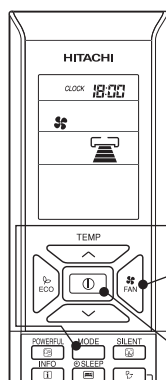
Press the  (START/STOP) button. Cooling operation starts with a beep. Press the button again to stop operation. The cooling function does not start if the temperature setting is higher than the current room temperature (even though the  (OPERATION) lamp lights). The cooling function will start as soon as user set the temperature below the current room temperature.

- As the settings are stored in the memory of the remote controller, you only have to press the  (START/STOP) button next time.
- During AUTO fan, the fan speed automatically changes as below:
 - When the difference between room temperature and setting temperature is large, fan starts to run at HI speed.
 - After room temperature reaches the preset temperature, fan speed will be changed to lower speed to obtain optimum room temperature condition for natural healthy cooling.



FAN OPERATION

User can use the device simply as an air circulator.



1

Press the MODE selector so that the display indicates (FAN).

2

Set the desired FAN SPEED with the (FAN SPEED) button (the display indicates the setting).

→ (HIGH) → (MED) → (LOW) → (SILENT) →

**START
STOP**

Press the ① (START/STOP) button. Fan operation starts with a beep. Press the button again to stop operation.



AUTO SWING OPERATION

VERTICAL SWING

■ To start Vertical Auto Swing

- Press (AUTO SWING (VERTICAL)) button. The deflector(s) will start to swing up and down.
 is displayed on the LCD.

■ To cancel Vertical Auto Swing

- Press (AUTO SWING (VERTICAL)) button again. The deflector(s) will stop in the current position.
 disappeared from the LCD.

HORIZONTAL SWING

■ To start Horizontal Auto Swing

- Press (AUTO SWING (HORIZONTAL)) button. The deflectors will start to swing right and left.
 is displayed on the LCD.

■ To cancel Horizontal Auto Swing


- Press (AUTO SWING (HORIZONTAL)) button again. The deflectors will stop in the current position.
 disappeared from the LCD.

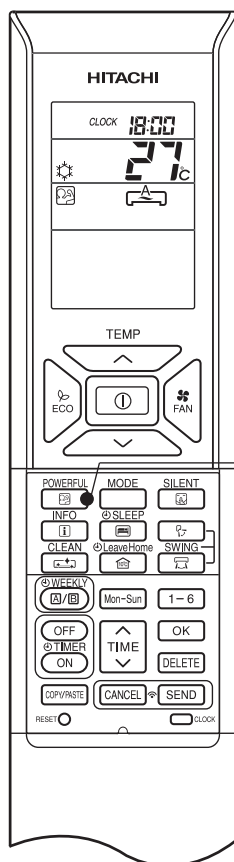
NOTE

- During cooling and dehumidifying operation, do not keep the deflectors swinging or in the lower position (in the case of vertical auto swing) for a long time. It may cause dew condensation on the deflectors.



POWERFUL OPERATION

- By pressing  (POWERFUL) button during AUTO, HEATING, DEHUMIDIFYING, COOLING or FAN operation, the air conditioner performs at the maximum power.
- During POWERFUL operation, cooler or warmer air will be blown out from indoor unit for COOLING or HEATING operation respectively.



■ To start POWERFUL operation



- Press  (POWERFUL) button during operation.

“” is displayed on the LCD.

1

POWERFUL operation ends in 20 minutes. Then the system automatically operates with the previous settings used before POWERFUL operation.

■ To cancel POWERFUL operation

- Press the  (START/STOP) button. Or
- Press  (POWERFUL) button again.


POWERFUL operation stops.

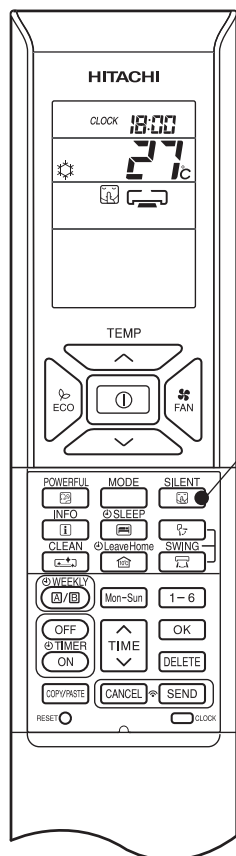
“” disappears from the LCD.

NOTE

- When SLEEP mode, ECO mode, SILENT mode or LEAVE HOME mode is selected, POWERFUL operation is cancelled.
- During POWERFUL operation, capacity of the air conditioner will not increase
 - if the air conditioner is already running at maximum capacity.
 - just before defrost operation (when the air conditioner is running in HEATING operation).
- After auto restart, POWERFUL operation is cancelled and previous operation shall start.
- For multi model connections, POWERFUL operation may not function depending on operation conditions.



SILENT OPERATION

- By pressing  (SILENT) button during AUTO, HEATING, DEHUMIDIFYING, COOLING or FAN operation, the fan speed will change to ultra slow.






■ To start SILENT operation

1

- Press  (SILENT) button during operation.
“” is displayed on the LCD. Fan speed will be ultra slow.

■ To cancel SILENT operation



- Press  (START/STOP) button. Or
- Press  (SILENT) button again or  (FAN SPEED) button.

Fan speed will return to previous fan speed before SILENT operation starts.

SILENT operation stops.

“” disappears from the LCD.

NOTE

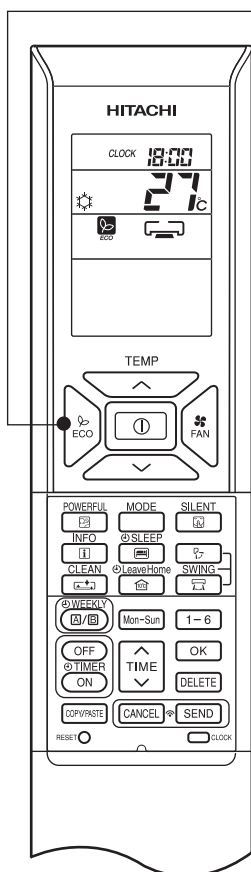
- When POWERFUL operation is selected, SILENT operation is cancelled. Fan speed will return to previous fan speed before SILENT operation.
- After auto restart, SILENT operation is cancelled. Fan speed will return to previous fan speed before SILENT operation.
- During any operation with fan speed  (SILENT), if press  (SILENT) button, fan speed will not change.




There are two kinds of ECO OPERATION with sensor or without sensor, depending on models. Please refer to [Names and Functions of each part] in the unit instruction manual to verify if your unit is equipped with a sensor and read the following instruction on ECO Operation accordingly.

■ ECO OPERATION


ECO operation is an energy saving function by changing set temperature automatically and by limiting the maximum power consumption value.




1

- By pressing the  (ECO) button during AUTO, HEATING, DEHUMIDIFYING or COOLING operation, the air conditioner performs the "ECO" operation.

■ To start ECO operation

- Press  (ECO) button during operation.

“” is displayed on the LCD.


A beep sound is emitted from indoor unit.

Energy saving operation will start by changing the set temperature higher or lower automatically and reducing operation power consumption. This function may vary based on the connected outdoor unit.

■ To cancel ECO operation

- Press  (START/STOP) button. Or

- Press  (ECO) button again.

“” disappears from the LCD.

A beep sound is emitted from indoor unit.

NOTE

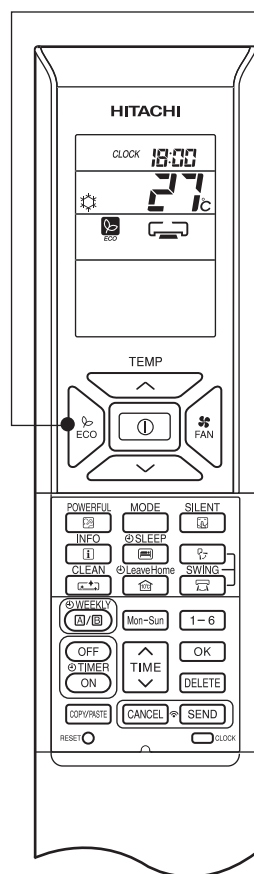
- ECO function will not be effective when power consumption is low.
- By pressing (POWERFUL) button, ECO operation is cancelled.
- After auto restart, ECO operation is cancelled and previous operation mode shall start.
- For multi model connections, energy saving operation shall start only by changing set temperature higher or lower automatically. However, effectiveness of ECO depends on operation conditions.




ECO OPERATION

ECO OPERATION with sensor


The sensor detects the presence of people in the room. When nobody is detected, the unit automatically starts energy saving operation by shifting the set temperature in two steps.



1

- By pressing the  (ECO) button during AUTO, HEATING, DEHUMIDIFYING or COOLING operation, the air conditioner performs the "ECO" operation.

To start ECO operation

- Press  (ECO) button during operation.

" " is displayed on the LCD.


A beep sound is emitted from indoor unit and the (ECO) lamp on the indoor unit lights up.

The sensor starts to detect the presence of people in the room.

To cancel ECO operation

- Press  (START/STOP) button. Or

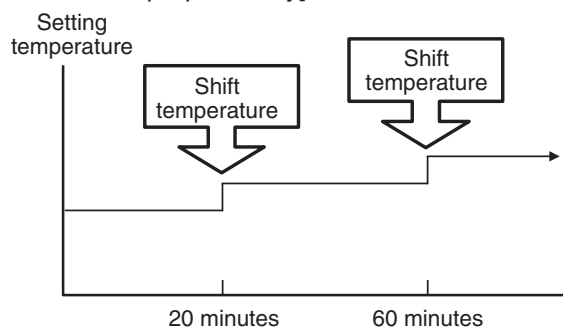
- Press  (ECO) button again.

" " disappears from the LCD.

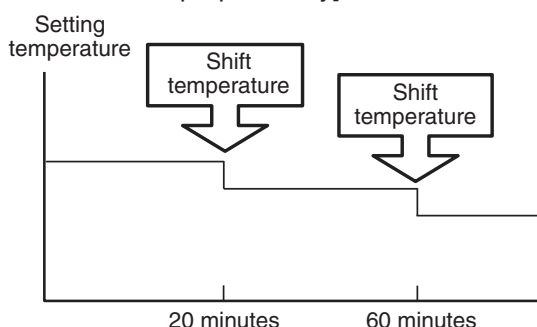
A beep sound is emitted from indoor unit and the (ECO) lamp on the indoor unit turns off.

When the presence of people is not detected for 20 minutes, the set temperature is automatically shifted for energy saving. If nobody is in the room for 60 minutes, the set temperature is shifted further.

Cooling operation [diagram representation for illustrative purpose only]



Heating operation [diagram representation for illustrative purpose only]



The unit returns to normal operation when the sensor detects human movement.

NOTE

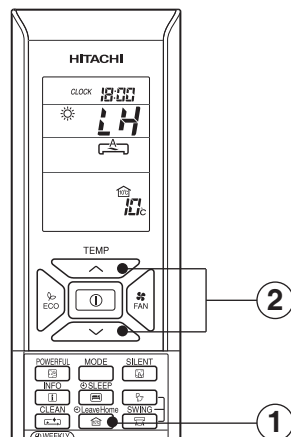
- By pressing (POWERFUL) button, ECO operation is cancelled.
- After auto restart, ECO operation is cancelled and previous operation mode shall start.

10°C LEAVE HOME (LH) OPERATION

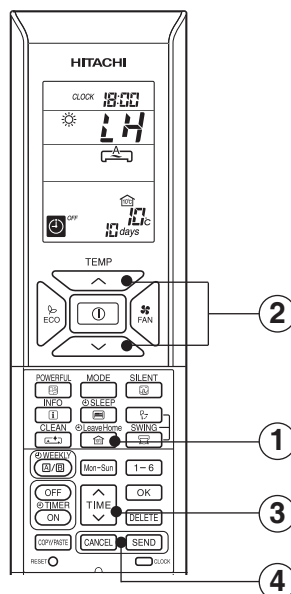
Prevent the room temperature from falling too much when no one is at home. The initial setting temperature is 10°C and the temperature range can be set between 10°C and 16°C.

This operation is able to operate by "Continuous operation" or "Day timer operation". Please use "Day timer operation" to set the number of days up to 99 days.

Continuous operation



Day timer operation



To start LEAVE HOME operation

Option 1. Continuous operation.

- 1 Press (LEAVE HOME) button during stop or operation. Room temperature is set at 10°C and heating operation starts.
- 2 Set the desired room temperature with the TEMPERATURE buttons. Temperature range can be set between 10°C and 16°C.
"☀", "LH", "A", "10°C", "SET TEMPERATURE" is displayed on the LCD.

Option 2. Day timer operation.

- 1 Press (LEAVE HOME) button during stop or operation. Room temperature is set at 10°C and heating operation starts.
Set the desired room temperature with the TEMPERATURE buttons. Temperature range can be set between 10°C and 16°C.
"☀", "LH", "A", "10°C", "SET TEMPERATURE" is displayed on the LCD.
- 3 Set number of operation days (1 to 99 days), if needed.
Press (TIME) button to select number of days.
Number of days blink.
* Press "▲ (UP)" or "▼ (DOWN)" to set number of days from 1 day to 99 days.
* Number of day is counted when clock indicates 0:00.
- 4 Press (SEND) button to confirm number of operation days. Display for number of operation days will stop blinking.
Press (CANCEL) button to reset number of operation days or to have continuous operation.

To cancel LEAVE HOME operation

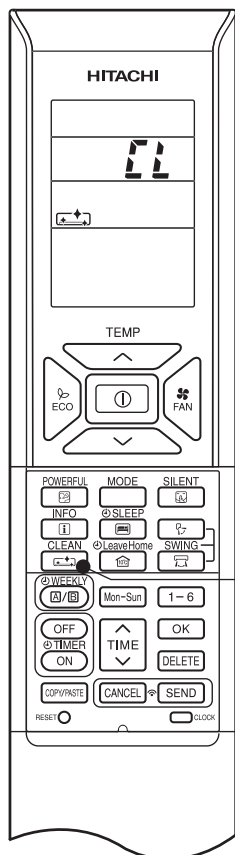
- Press (START/STOP) button. Or
- Press (LEAVE HOME) button again. Return to previous operation mode. Or
- Change to other operation mode by pressing (MODE) button.

NOTE


- After reaching the set number of operation days for Leave Home or by pressing the (Leave Home) button again, the unit will operate in previous mode.
- During Leave Home operation, fan speed and horizontal air deflector position cannot be changed.
- By pressing (Leave Home) button, implementation of Weekly Timer or Once Timer is cancelled.
- In case of power supply shut down, after autorestart, all setting for number of days operation will be reset and unit shall be in continuous operation.
- POWERFUL, SILENT and ECO operations are not applicable during Leave Home operation.
- For multi connection
 - FAN/COOLING/DEHUMIDIFYING and Leave Home cannot operate at the same time. The first-run unit has a priority and other units in different mode will be in standby mode.
 - Heating operation can be used with Leave Home.
 - When two or more rooms are set to operate Leave Home, the temperature set by Leave Home may not be reached. It also depends on outdoor temperature.

CLEAN (ONE TOUCH CLEAN) OPERATION

Drying indoor heat exchanger after cooling operation to prevent mildew.





■ To start CLEAN operation


- Press  (CLEAN) button when unit is OFF.
Total time taken for One Touch Clean operation is 60 minutes.
During this operation, HEATING or FAN operation shall operate.
During one touch clean, operation lamp is blinking.

“”, “” is displayed on the LCD.

■ To cancel CLEAN operation

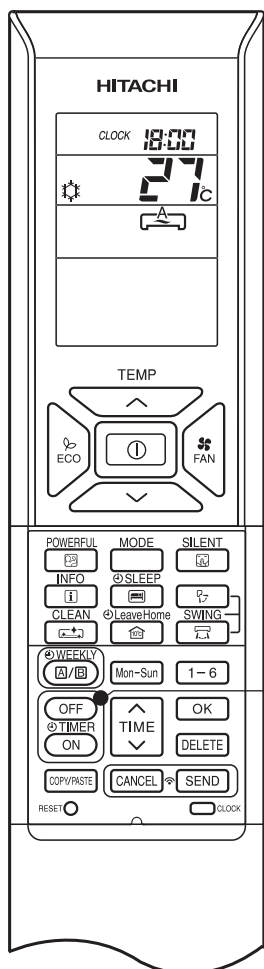
- Press  (START/STOP) button. Or
- Press  (CLEAN) button again.

NOTE

- When CLEAN operation finish, unit will switch OFF automatically.
- If Weekly Timer or Once Timer is set, there is a need to cancel those timer before operating CLEAN function.
- For multi connections, when pressing  (CLEAN) button, operation is limited to FAN operation.
- For multi connections, when one room operates CLEAN operation first, other rooms can operate COOLING, DEHUMIDIFYING or FAN operation. However, when other rooms need to operate HEATING operation, air conditioner will be in STANDBY mode. After CLEAN operation finish, HEATING operation will start.



ONCE TIMER (ON/OFF TIMER) OPERATION



OFF TIMER

The device can be set to turn off at a preset time.

1. Press (OFF-TIMER) button. and **0:00** blink on the display.
2. Set the "turn-off time" with (TIME) button.
3. After setting, direct the remote controller towards the indoor and press (SEND) button.
 and "set time" lights up instead of blinking.

A beep sound emitted from indoor unit and the (TIMER) lamp on the indoor unit lights up.

ON TIMER

The device will turn on at a designated time.

1. Press (ON-TIMER) button. and **6:00** blink on the display.
2. Set the "turn-on time" with (TIME) button.
3. After setting, direct the remote controller towards the indoor and press (SEND) button.
 and "set time" light up instead of blinking.

A beep sound emitted from indoor unit and the (TIMER) lamp on the indoor unit lights up.

ON/OFF TIMER

- The device will turn on (off) and off (on) at the designated time.
- The switching occurs first at the preset time that comes earlier.
- The arrow mark appears on the display to indicate the sequence of switching operations.

1. Press (OFF-TIMER) button so that and **0:00** blink on the display.
2. Set the "turn-off" time with (TIME) button. After setting, direct the remote controller towards the indoor and press (SEND) button.
3. Press (ON-TIMER) button so that and set "turn-off" time light up.
4. Set the "turn-on" time with (TIME) button.
5. After setting, direct the remote controller towards the indoor and press (SEND) button.
 and set "turn-on" time light up instead of blinking.

A beep sound emitted from indoor unit and the (TIMER) lamp on the indoor unit lights up.

- The timer may be used in three ways: OFF-timer, ON-timer and ON/OFF (OFF/ON)-timer. Set the current time first because it serves as a reference.

■ To cancel Reservation

- Point the signal window of the remote controller towards the indoor unit and press (CANCEL) button.
 and "ON or OFF set time" goes out with a beep and the (TIMER) lamp on the indoor unit turns off.


NOTE

- User can set only one of the OFF-timer, ON-timer or ON/OFF-timer.
- If WEEKLY TIMER already set, by setting the ONCE TIMER, ONCE TIMER operation is prioritized. When ONCE TIMER operation is complete, WEEKLY TIMER operation will be activated.

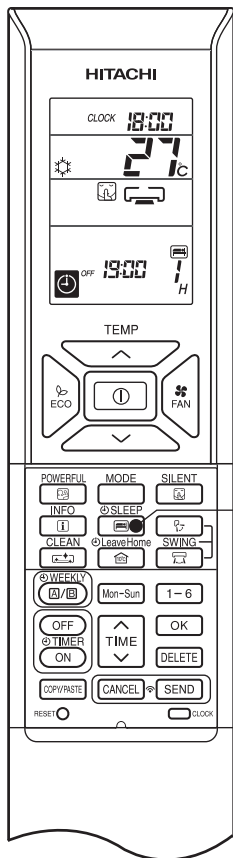


ECO SLEEP TIMER OPERATION


The timer can be set up to a duration of 7 hours.





By pressing  (SLEEP) button during AUTO, HEATING, DEHUMIDIFYING, COOLING or FAN operation, the unit shifts the room temperature and reduces the fan speed. It results in energy saving.


Set the current time first before operating the ECO SLEEP TIMER operation.



■ To start ECO SLEEP TIMER operation

Press  (SLEEP) button during operation.

- “”, “”, “”, “OFF”, off time, “” and number of hour are displayed on the remote controller display.
- During ECO SLEEP TIMER operation, fan speed will be ultra slow.
- A beep sound emitted from indoor unit and the (TIMER) lamp on the indoor unit lights up.

Pressing  (SLEEP) button repeatedly, the number of hours will change as below:



- During ECO SLEEP TIMER operation, air conditioner will continue to operate for the designated number of hours and then turn off.
- When the ECO SLEEP TIMER has been set, the display on the remote controller indicates the turn off time.








Example: If ECO SLEEP TIMER is set for 1 hour at 18:00, the switch off time will be at 19:00.

■ To cancel ECO SLEEP TIMER operation

Press  (START/STOP) button.

- Room air conditioner will switch off.

Press  (SLEEP) button again until “”, “”, “”, off time, “” and number of hour disappear from the remote controller display.

Press  (CANCEL) button.

- A beep sound emitted from indoor unit and the (TIMER) lamp on the indoor unit turns off.
- SLEEP TIMER operation is cancelled.



ECO SLEEP TIMER OPERATION

■ To set ECO SLEEP TIMER and ON TIMER

The air conditioner will be turned off by ECO SLEEP TIMER and turned on by ON TIMER.

1. Set the ON TIMER.
2. Press (SLEEP) button and set ECO SLEEP TIMER.



Example:

In this case, air conditioner will turn off in 2 hours (at 1:38) and it will be turned on at 6:00 the next morning.

■ To cancel ECO SLEEP TIMER and ON TIMER operation

Direct the remote controller towards the indoor unit and press (CANCEL) button.

- “”, “”, “”, “OFF”, off time, “”, number of hour, “ON” and ON TIMER set time disappear from the remote controller display.
- A beep sound emitted from indoor unit and the (TIMER) lamp on the indoor unit turns off.
- ECO SLEEP TIMER and ON TIMER reservations are cancelled.

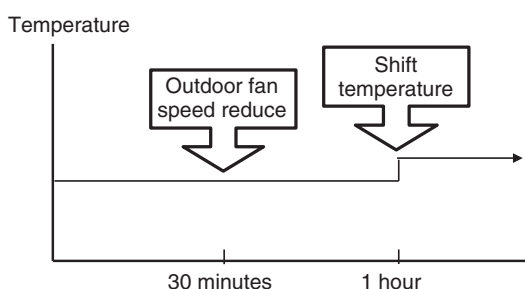
30 minutes after setting ECO SLEEP TIMER, outdoor fan speed will be reduced to lower the noise level and to have comfort operation.

1 hour after setting ECO SLEEP TIMER, set temperature will be slightly shifted. Amount of temperature shifted depends on type of air conditioner.

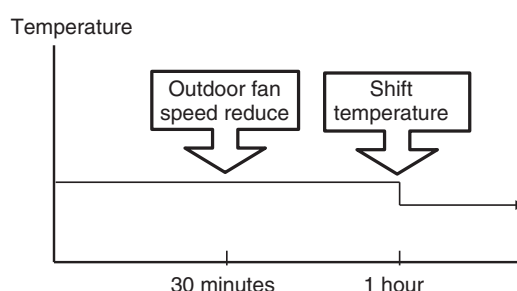
These automatic operation changes contribute to energy saving without losing comfort.

The level of energy consumption depends on outside temperature, room temperature, set temperature or air conditioner type.

Cooling operation [diagram representation for illustrative purpose only]



Heating operation [diagram representation for illustrative purpose only]



NOTE

- If ECO SLEEP TIMER is set when OFF TIMER or ON/OFF TIMER has been set earlier, the ECO SLEEP TIMER becomes effective instead of the OFF TIMER or ON/OFF TIMER.



WEEKLY TIMER OPERATION

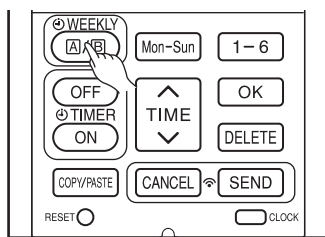
- It is possible to select Mode A or Mode B. For each mode, up to 6 programs can be set per day. In total, a maximum of 42 programs can be set for a week for each mode.
- If calendar and clock are not set, the reservation setting for WEEKLY TIMER cannot be set.
- If calendar and clock are not set correctly, WEEKLY TIMER will not operate correctly.
- Reservation for calendar and clock shall be set first before operating WEEKLY TIMER.

Step 1: Set the reservation schedule to the remote controller. Send the registered reservation to indoor unit and then operate.

Step 2: Select Mode A or Mode B and activate or deactivate WEEKLY TIMER .

Step 3: Copy and cancel the reservation schedule.

Step 1 : Set reservation schedule to the remote controller. Send the registered reservation to indoor unit and then operate.



1

■ How to set a WEEKLY TIMER.

1. Select Mode A or Mode B

Press (WEEKLY) button. WEEKLY lights up. **A** and blink on the display. (Mode A is selected).

Press (WEEKLY) button again, **B** and blink on the display. (Mode B is selected).

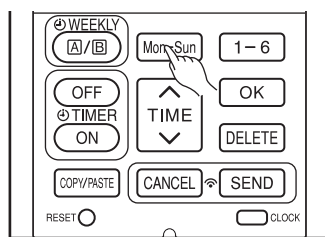
- If no reservation has been made, ON/OFF, --:-- , appear.
- If reservation has been made, ON/OFF, --:-- , will not appear.

2

2. Set a program

Press (WEEKLY) button for about 3 seconds. The selection mode can be changed.

, day: Mon, program no. : 1, ON/OFF, setting time and setting temperature blink on the display.



3

3. Select the desired day of the week

Press (DAY) button.

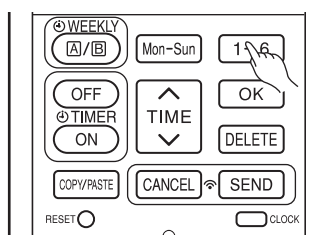
The day changes from Mon → Tue → Wed → Thu → Fri → Sat → Sun → Mon, Tue, Wed, Thu, Fri, Sat, Sun [Full days] → Mon, Tue, Wed, Thu, Fri [weekday] → Sat, Sun [weekend] → Mon → Tue

Select [Full days] for daily reservation.

Select [weekday] for Monday to Friday reservation.

Select [weekend] for Saturday and Sunday reservation.

- After reservation has been set, it is easy to check and edit at the same time.



4

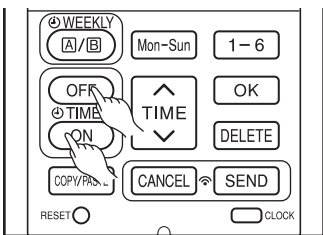
4. Press button to select a program number.

The number changes from 1 → 2 → 3 → 4 → 5 → 6 → 1 → 2

- If program number has been set, follow above in order to make changes.

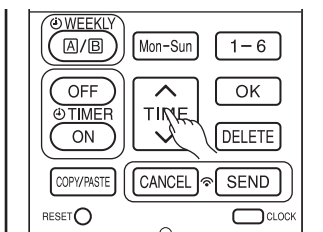


WEEKLY TIMER OPERATION



5

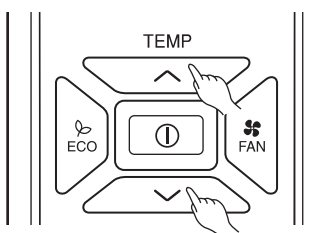
5. Press (ON-OFF TIMER) button to select ON TIMER or OFF TIMER reservation.



6

6. Press (TIME) button to set time reservation.

7. Press (TEMP \wedge or \vee) button to set temperature reservation.



7

8. Press (OK) button. The reservations are set. Day, program number, ON reservation, setting temperature will light up. will be continuously blinks. If reservation is not complete, settings will not be stored in memory.

To continue with the reservation, press buttons. Follow step 3 to 8 for reservation.

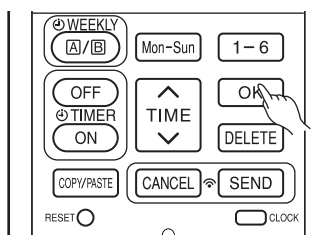
9. After all the reservations have been set, press (SEND) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly.

After beep sound emitted from indoor unit, TIMER lamp will light up.

Please ensure that the TIMER lamp lights up.

This indicates that the reservation has been stored in the indoor unit and Timer function has been completed.

The reservation contents will appear on the remote controller display.

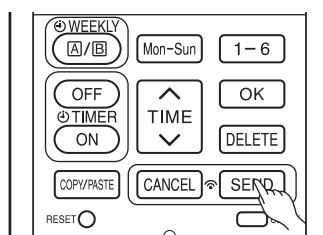


8

- If TIMER lamp on the indoor unit does not light up, press (SEND) button while directing the remote controller towards the indoor unit for about 3 seconds.

- **CAUTION !** Do not press (CANCEL) button during reservation setting because this will result in all reservation contents to be lost.

- The reservation contents will not stored in the indoor unit until (SEND) button has been pressed.



9

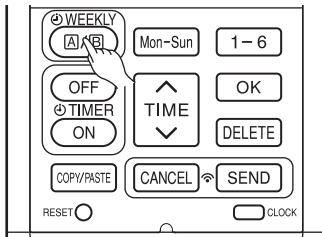
NOTE

- Up to 6 programs can be set per day. Setting ON TIMER or OFF TIMER for each program number can be at random. When pressing (SEND) button, the set ON TIMER or OFF TIMER for each program number will automatically arranged so that program number 1 shall have the earliest time and program number 6 shall have the latest time.
If the setting time is the same, Priority will be given to the latest reservation contents.
- **CAUTION !** If the remote controller is left idle and (SEND) button is not pressed within 3 minutes after reservations have been made , all current reservations will be lost.



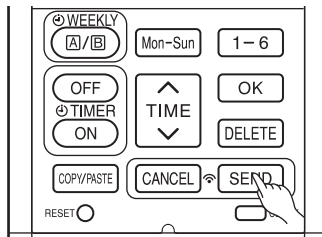
WEEKLY TIMER OPERATION

Step 2: Select Mode A or Mode B and activate or deactivate WEEKLY TIMER.



1

2



3

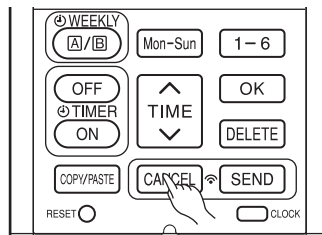
■ How to select Mode A or Mode B of WEEKLY TIMER setting.

1. Press (WEEKLY) button. **A** and blink on the display. (Normally Mode A will blink first).
2. Press (WEEKLY) button again. **B** and blink on the display.
3. Select Mode A or Mode B. Press (SEND) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly.

After beep sound emitted from indoor unit, TIMER lamp will light up.

Please ensure that the TIMER lamp lights up.

This indicates that Mode A or Mode B selection and active WEEKLY TIMER have been confirmed.



1

■ Setting non-active WEEKLY TIMER .

1. Direct the remote controller towards the indoor unit and press (CANCEL) button.
Beep sound will be emitted from indoor unit and TIMER lamp will be OFF. Reservation indication on remote display will also disappear.
This indicates that non-active WEEKLY TIMER has been confirmed.
- To activate back the setting of WEEKLY TIMER , repeat the steps for "How to select Mode A or Mode B of WEEKLY TIMER setting".

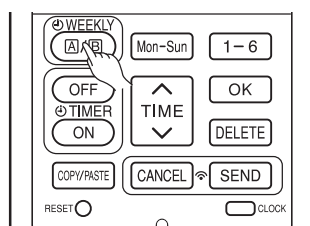
NOTE

- When setting ONCE TIMER, operation of WEEKLY TIMER is interrupted. After ONCE TIMER operation is complete, WEEKLY TIMER operation will be activated.
- When ONCE TIMER is cancelled, operation of WEEKLY TIMER is also cancelled. Need to set WEEKLY TIMER operation for activation.
- After auto restart, WEEKLY TIMER operation is cancelled. Need to set WEEKLY TIMER operation for activation.

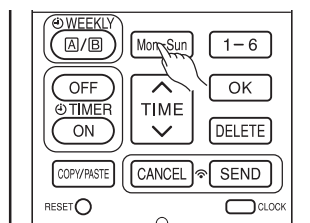


WEEKLY TIMER OPERATION

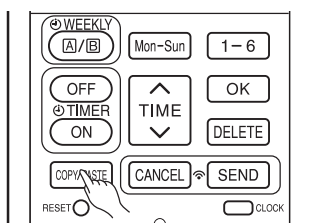
Step 3: Copy and cancel the reservation schedule.



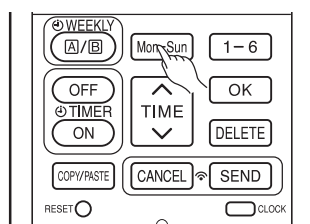
1



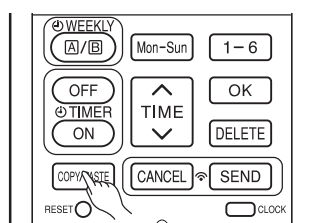
2



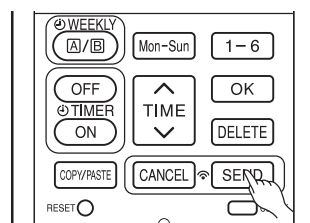
3



4



5



6

■ How to copy and paste.

Editing the reservation schedule is easy by copying data from one day to another day.

1. Press (WEEKLY) button to select Mode A or Mode B.
 2. Press (WEEKLY) button for about 3 seconds to start editing the reservation schedule.
 3. Press (DAY) button to select a day of the week to copy.
 4. Press (COPY/PASTE) button. Then "PASTE" blinks on the display.
* Press (CANCEL) button to cancel the COPY mode. Normal setting mode is activated.
 5. Press (DAY) button to select a day of the week to paste.
 6. Press (COPY/PASTE) button one more time to paste. only blinks on the display.
 7. To continue copying to other days, press or or or . Then start from step 3.
 8. After copy and paste completed, press (SEND) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly. After beep sound emitted from indoor unit, TIMER lamp will light up.
Please ensure that the TIMER lamp lights up.
If TIMER lamp does not light up, Press (SEND) button again.
- Reservation data will not change if (SEND) button is not pressed.

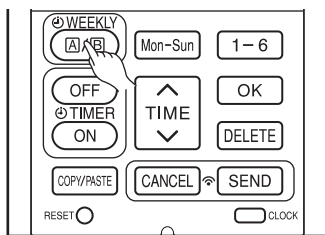
NOTE

- If there is no reservation data, copying data from one day to another day cannot be done.



WEEKLY TIMER OPERATION

Step 3: Copy and cancel the reservation schedule.



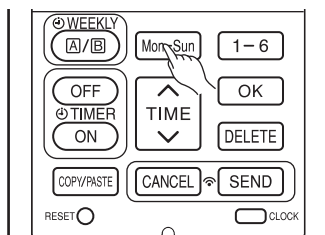
1

■ How to delete WEEKLY TIMER data.

[Delete one program number reservation]

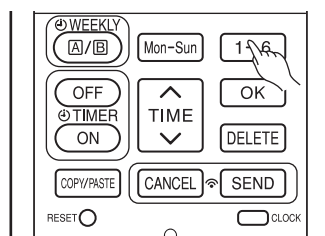
2

1. Press (WEEKLY) button to select Mode A or Mode B.
2. Press (WEEKLY) button for 3 seconds to start editing the reservation schedule.



3

3. Press (DAY) button to select a day of the week to edit.
4. Press to select program number. Selected program number will blink.
5. Press (DELETE) button. Reservation of selected program number is deleted.



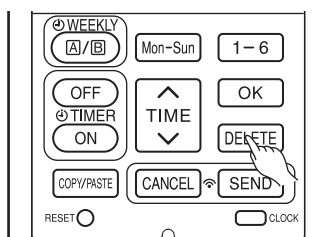
4

6. After deleting, press (SEND) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly.

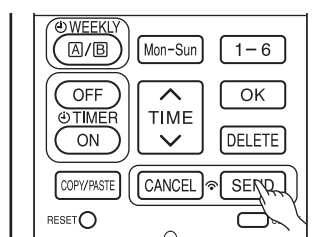
After beep sound emitted from indoor unit, TIMER lamp will light up.

Please ensure that the TIMER lamp lights up.

- Reservation will not change if (SEND) button is not pressed.



5

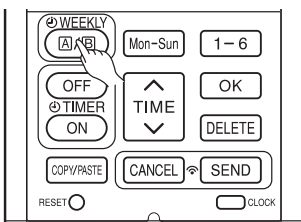


6



WEEKLY TIMER OPERATION

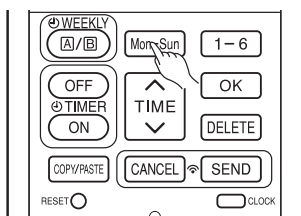
Step 3: Copy and cancel the reservation schedule.



1

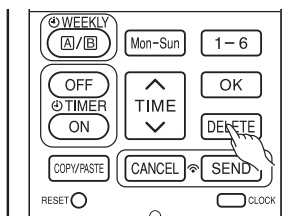
[Delete one day reservation]

1. Press (WEEKLY) button to select Mode A or Mode B.



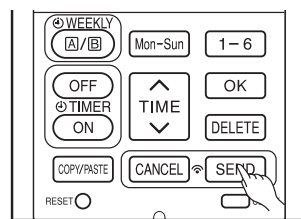
2

2. Press (WEEKLY) button for 3 seconds to start editing the reservation schedule.



3

3. Press (DAY) button to select a day of the week to edit.



4

4. Press (DELETE) button for about 10 seconds. Reservations for all program numbers will be deleted.

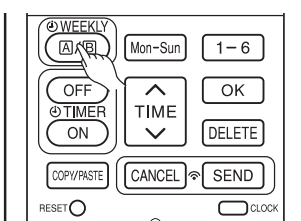
- If press for a short time, reservation for one program number will be deleted.

5. After deleting, press (SEND) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly.

After beep sound emitted from indoor unit, TIMER lamp will light up.

Please ensure that the TIMER lamp lights up.

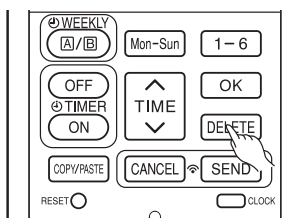
- Reservation will not change if (SEND) button is not pressed.



5

[Delete Mode A or Mode B]

1. Press (WEEKLY) button to select Mode A or Mode B.



1



2. Direct the remote controller towards the indoor unit and press (DELETE) button for about 10 seconds while Mode A or Mode B display blinks.

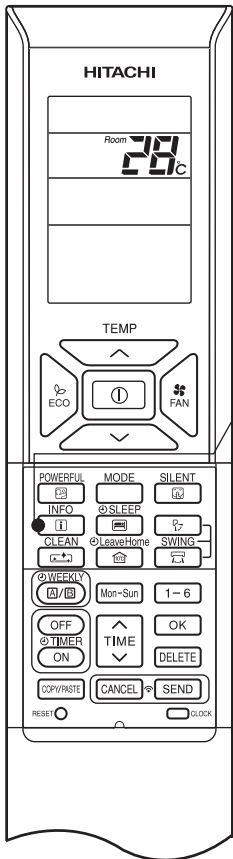
After beep sound emitted from indoor unit, reservations for Mode A or Mode B will disappear.

2

NOTE


- If all reservations in the remote controller were deleted and pressed (SEND) button, no signal will be transmitted to indoor unit. TIMER lamp will remain off and no changes will be done to the reservations stored in the indoor unit.

- By pressing  (INFO) button, temperature around remote controller and monthly power consumption will be displayed on the remote controller.
- After changing the batteries, direct the remote controller towards the indoor unit and press  (INFO) button. Current calendar and clock will be transmitted from indoor unit.
- In order to receive information from indoor unit, the distance between remote controller and receiver of indoor units is within 2 meters.




■ To check temperature around remote controller


1

Press  (INFO) button.

Temperature will be displayed for 10 seconds.

■ To check monthly power consumption


Direct the remote controller towards the receiver of indoor unit (within 2 meters in front of indoor unit) and press  (INFO) button. Wait for 2 seconds for signal transmission.


While temperature around remote controller is displayed, press  (INFO) button repeatedly. The display will show as below:

this month power consumption amount for heating → last month power consumption amount for heating → this month power consumption amount for cooling → last month power consumption amount for cooling → temperature around remote controller → this month power consumption amount for heating cyclically.

- If indication is not given, bring remote controller closer to the receiver of the indoor unit.
- Indicated value shall be regarded as a guide only.




■ Current calendar and clock can be retrieved from indoor unit

Direct the remote controller towards the receiver of indoor unit (within 2 meters in front of indoor unit) and press  (INFO) button. Wait for 2 seconds for signal transmission.

Once received the current calendar and clock, check whether they are correct or not by pressing  (CLOCK) button.

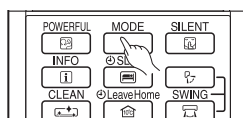
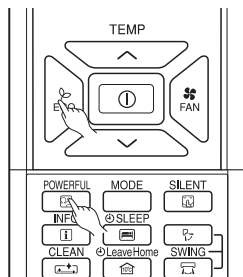
- If there is no power supply to indoor unit or calendar and clock have not been set, INFO function cannot be used for sending or receiving information.

NOTE

- In case failure occurs to the air conditioner, by pressing  (INFO) button, an error code will be displayed. Direct the remote controller towards the receiver of indoor unit (within 2 meters in front of indoor unit) and press  (INFO) button. Wait for 2 seconds for signal transmission. An error code will be displayed. Call service center and inform the error code.
- Information of "Monthly power consumption" is not available for 6 rooms multi system.
- Info Function to check monthly power consumption.
During installation, in case of power failure or breaker ON / OFF, ensure to set the clock and calendar for each indoor unit (unit in standby mode or auto restart), for single or multi connection, by pressing  (START / STOP) button.
Failure to do the above, monthly power consumption amount will not be displayed on the remote controller.

OPERATION MODE LOCK

The remote controller can be set to fix the HEATING mode (including FAN), COOLING mode (including FAN) and DEHUMIDIFYING mode (including FAN) operations.



■ Method to lock HEATING mode (including FAN) operation.

Press (ECO) and (POWERFUL) buttons simultaneously for about 5 seconds when the remote controller is OFF.

“”, “” and “” will be displayed for about 10 seconds. Later, “” and “” will remain.

This indicates that HEATING mode operation is locked.

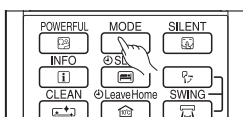
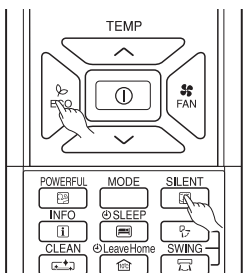
When pressing (MODE) button, “” or “” will be displayed.

■ Method to unlock HEATING mode (including FAN) operation.

Press (ECO) and (POWERFUL) buttons simultaneously for about 5 seconds when the remote controller is OFF.

All operation mode symbols will appear on the display for about 10 seconds. After that, operation mode symbol before cancellation will be displayed.

This indicates that HEATING mode operation is unlocked.



■ Method to lock COOLING and DEHUMIDIFYING modes (including FAN) operations.

Press (ECO) and (SILENT) buttons simultaneously for about 5 seconds when the remote controller is OFF.

“”, “”, “” and “” will be displayed for about 10 seconds. Later, “” and “” will remain.

This indicates that COOLING and DEHUMIDIFYING mode operation is locked.

When pressing (MODE) button, “”, “” or “” will be displayed.

■ Method to unlock COOLING and DEHUMIDIFYING modes (including FAN) operations.

Press (ECO) and (SILENT) buttons simultaneously for about 5 seconds when the remote controller is OFF.

All operation mode symbols will appear on the display for about 10 seconds. After that, operation mode symbol before cancellation will be displayed.

This indicates that COOLING and DEHUMIDIFYING modes operation is unlocked.

NOTE

- Operation Mode Lock function will not activate if TIMER reservations activate. TIMER reservations shall be deactivated first. Then, Operation Mode Lock function can be activated.
- HEATING, COOLING and DEHUMIDIFYING mode (including FAN) operations can be unlocked by pressing the (RESET) button. However, by pressing the (RESET) button, all the information stored in the remote controller will disappear. You may need to set the necessary information again.
- For multi connections, unit and mode which is set to lock HEATING and switched on first shall have higher priority. Other units which are chosen to operate at different modes shall be in STANDBY until either the first unit operation is switched off or the mode is selected to be same as the first unit.

