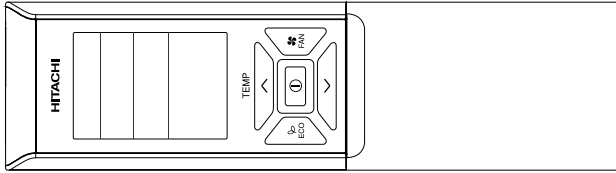


HITACHI

Remote Controller Manual

MODEL

RAR-6NE4

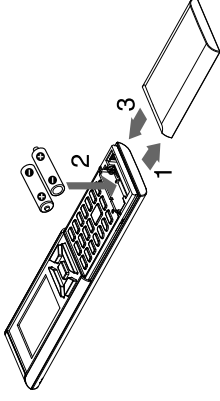


SUOMI NEDERLANDS SVENSKA ΕΛΛΗΝΙΚΑ PORTUGUÊS ESPAÑOL ITALIANO FRANÇAIS DEUTSCH ENGLISH

PREPARATION BEFORE OPERATION

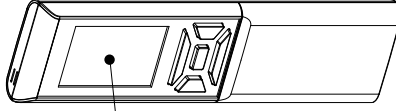
■ To install the batteries

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.



Remote controller

NOTE

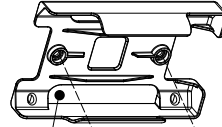
Notes on batteries

- 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

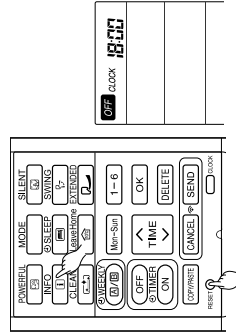
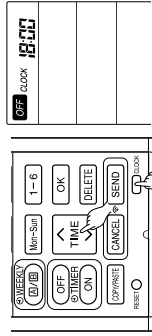
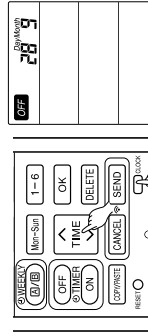
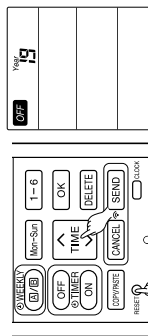
- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult 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.



Remote controller holder

Screws

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 2 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.

Signal Transmitting/Receiving Window

Point this window towards the indoor unit when controlling it.

Sensor

A temperature sensor inside the remote controller senses ambient temperature around the remote controller.

Display

This indicates the room temperature selected, current time, timer status, function and airflow rate selected.

ROOM TEMPERATURE setting Buttons

Press these buttons to set the room temperature.
Press the **[<]** button to raise the room temperature.
Press the **[>]** button to lower the room temperature.
Keep pressing and the value will change more quickly.

Transmission sign

The transmission sign lights up when a signal is sent.

START/STOP button

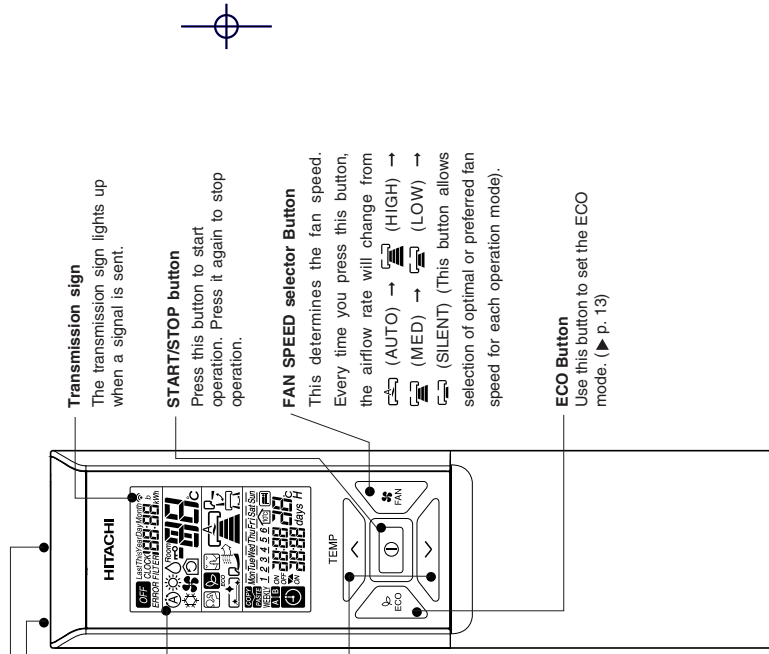
Press this button to start operation. Press it again to stop operation.

FAN SPEED selector Button

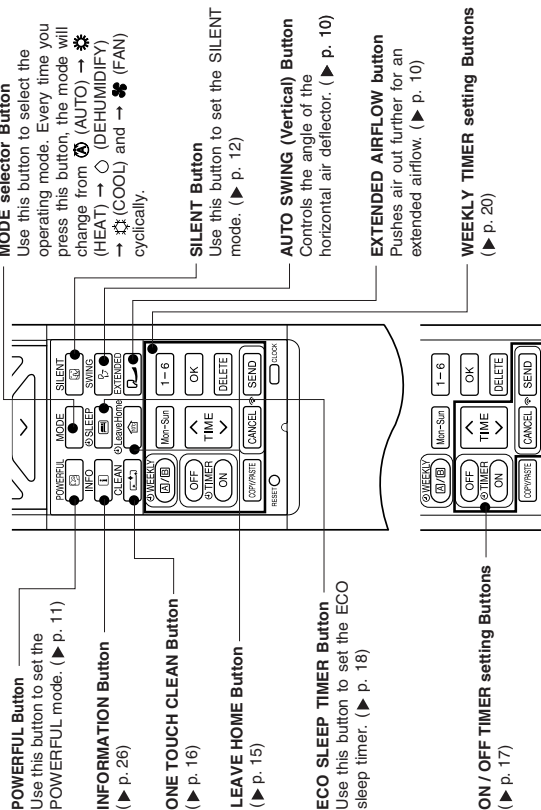
This determines the fan speed. Every time you press this button, the airflow rate will change from **(AUTO)** → **(HIGH)** → **(MED)** → **(LOW)** → **(SILENT)** (This button allows selection of optimal or preferred fan speed for each operation mode).

ECO Button

Use this button to set the ECO mode. (▶ p. 13)



NAMES AND FUNCTIONS OF REMOTE CONTROLLER



MODE SELECTOR	FAN	ON / OFF TIMER
AUTO	POWERFUL	TIME
HEAT	SILENT	TIME
DEHUMIDIFY	INFO	OK
COOL	SLEEP TIMER	DELETE
FAN	AUTO SWING (VERTICAL)	COPY/PASTE
FAN SPEED	EXTENDED AIRFLOW button	CANCEL
AUTO	LEAVE HOME	SEND
SILENT	CLEAN	SEND
LOW	Mon-Sun DAY	CLOCK
MED	PROGRAM NO.	
HIGH	1-6	
START / STOP	A/B	
ECO	WEEKLY TIMER MODE	

FAN	ON / OFF TIMER
POWERFUL	TIME
SILENT	TIME
INFO	OK
SLEEP TIMER	DELETE
AUTO SWING (VERTICAL)	COPY/PASTE
EXTENDED AIRFLOW button	CANCEL
LEAVE HOME	SEND
CLEAN	SEND
Mon-Sun DAY	CLOCK
PROGRAM NO.	
1-6	
A/B	
WEEKLY TIMER MODE	

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.

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).

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



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.

Press the (START/STOP) button.

Operation starts with a beep.

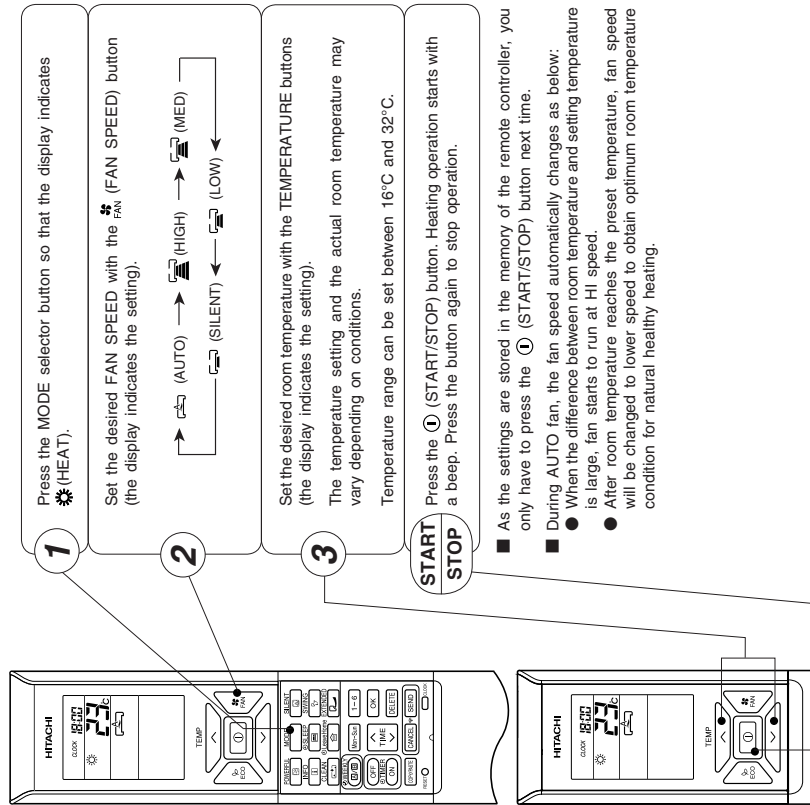
Press the button again to stop operation.

- 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 24°C. When it is too warm (over 24°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 -20°C.

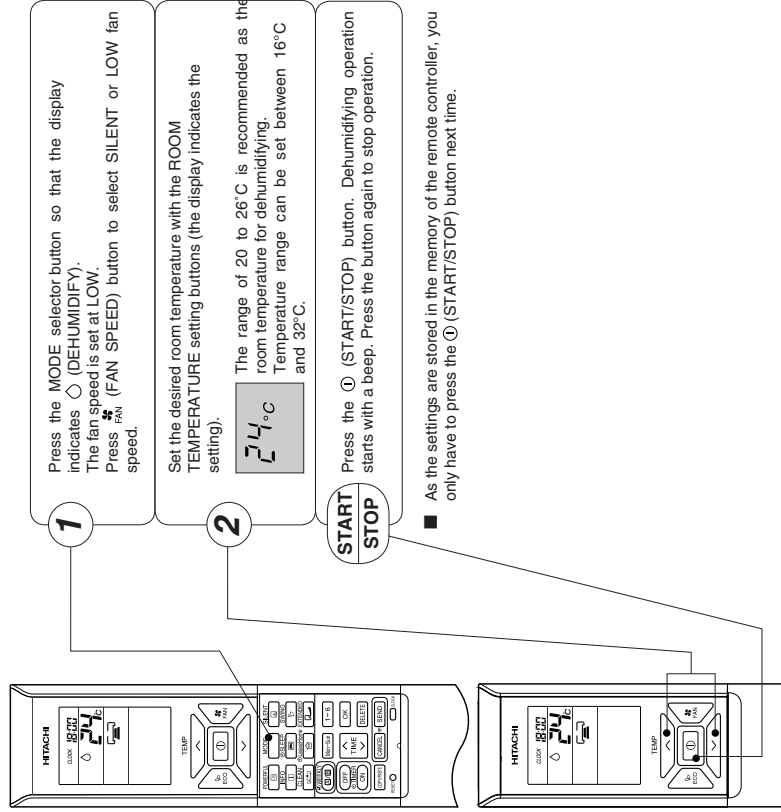


Defrosting

Defrosting will be performed about once an hour when frost forms on the heat exchange of the outdoor unit, for 5 minutes to 10 minutes each time.
 During defrosting operation, the ON/OFF lamp blinks in a cycle of 2 seconds on and 1 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.



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 to 46°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).
 → (AUTO) → (HIGH) → (MED) → (LOW) ← (SILENT) ←
- 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

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

■ To cancel Vertical Auto Swing

- Press **VERTICAL SWING (VERTICAL)** button again. The deflector(s) will stop in the current position.
VERTICAL SWING 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.

EXTENDED AIRFLOW OPERATION



■ To start Extended Airflow operation

- Press **EXTENDED AIRFLOW** button during operation.
EXTENDED AIRFLOW is displayed on the LCD.

The airflow direction will automatically set according to the type of operation and the fan speed will change to allow air to blow further. (During cooling operation, fan speed will return to the original position after 3 hours.)

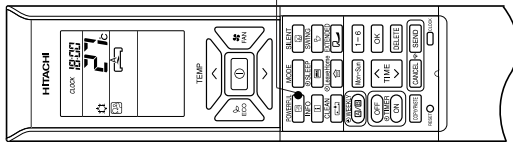
- If the **EXTENDED AIRFLOW** button is pressed while the AUTO SWING mode is set, the AUTO SWING mode is cancelled and the EXTENDED AIRFLOW mode is set.
- If the **EXTENDED AIRFLOW** button is pressed while the EXTENDED AIRFLOW mode is set, the EXTENDED AIRFLOW mode is cancelled and the AUTO SWING mode is set.
- If the **EXTENDED AIRFLOW** button is pressed when the horizontal air deflector stops at your preferred angle, the deflector will change to EXTENDED AIRFLOW.
- Press **EXTENDED AIRFLOW** button to lower the room temperature quickly when the temperature is high during the cooling operation.

■ To cancel Extended Airflow operation

- Press **EXTENDED AIRFLOW** button again.
 EXTENDED AIRFLOW operation stops.
EXTENDED AIRFLOW disappears from LCD.

POWERFUL OPERATION

- By pressing **POWERFUL** (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** (POWERFUL) button during operation.

"**POWERFUL**" is displayed on the LCD.

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** (POWERFUL) button again. POWERFUL operation stops.

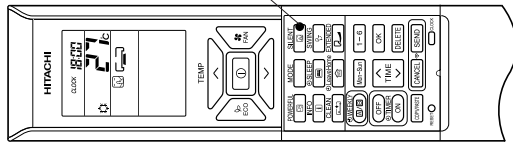
"**POWERFUL**" disappears from the LCD.

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



To start SILENT operation

- Press **SILENT** (SILENT) button during operation.

"**SILENT**" is displayed on the LCD. Fan speed will be ultra slow.

To cancel SILENT operation

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

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

SILENT operation stops.

"**SILENT**" 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** (SILENT), if press **SILENT** (SILENT) button, fan speed will not change.

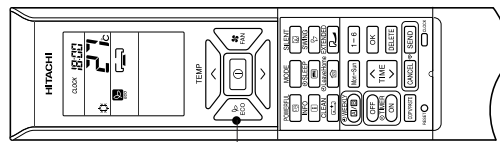


ECO OPERATION

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

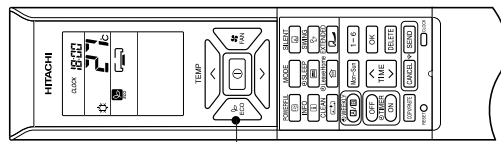
- ECO function will not be effective when power consumption is low.
- By pressing (POWERFUL) button, ECO operation is cancelled.
- After auto restart, ECO operation is cancelled and previous operation mode shall start.
- For multi model connections, energy saving operation shall start only by changing 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.

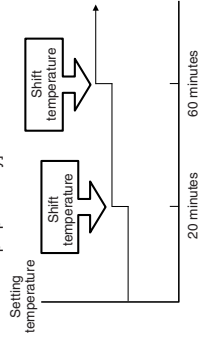
The sensor starts to detect the presence of people in the room.

To cancel ECO operation

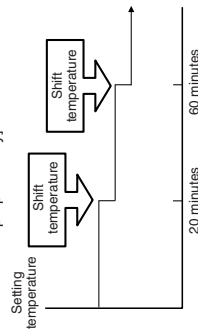
- Press (START/STOP) button. Or
- Press (ECO) button again.
- "" disappears from the LCD.
- A beep sound is emitted from indoor unit and the (ECO) lamp on the indoor unit turns off.

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.

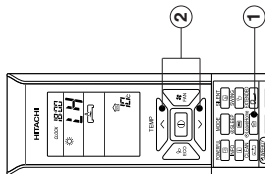
NOTE

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

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



To start LEAVE HOME operation

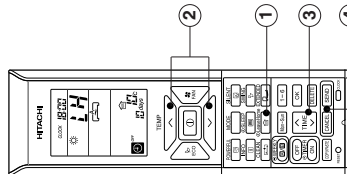
Option 1. Continuous operation.

- Press **LEAVE HOME** (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.
"10°C", "11°C", "12°C", "13°C", "14°C", "15°C", "16°C", "SET TEMPERATURE" is displayed on the LCD.

Option 2. Day timer operation.

- Press **LEAVE HOME** (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.
"10°C", "11°C", "12°C", "13°C", "14°C", "15°C", "16°C", "SET TEMPERATURE" is displayed on the LCD.

Day timer operation



- Set number of operation days (1 to 99 days), if needed.
Press **TIME** (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.

- Press **SEND** (SEND) button to confirm number of operation days. Display for number of operation days will stop blinking.
Press **CANCEL** (CANCEL) button to reset number of operation days or to have continuous operation.

To cancel LEAVE HOME operation

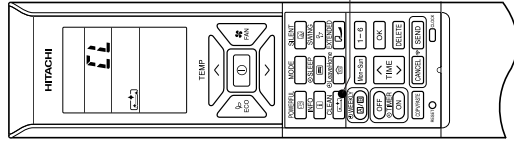
- Press **START/STOP** button. Or
- Press **LEAVE HOME** (LEAVE HOME) button again. Return to previous operation mode. Or
- Change to other operation mode by pressing **MODE** (MODE) button.

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** (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, ON/OFF lamp is blinking.
"10 min", "5 min" is displayed on the LCD.

To cancel CLEAN operation

- Press **START/STOP** button. Or
- Press **CLEAN** (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** (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.