HITACHI

INSTALLATION & OPERATION MANUAL

ADVANCED COLOR
WIRED REMOTE CONTROLLER

MODELS
PC-ARFG-E

EN INSTALLATION AND OPERATION MANUAL
ES MANUAL DE INSTALACIÓN Y FUNCIONAMIENTO
DE INSTALLATIONS- UND BETRIEBSHANDBUCH
FR MANUEL D'INSTALLATION ET DE FONCTIONNEMENT
IT MANUALE DI INSTALLAZIONE E D'USO
PT MANUAL DE INSTALAÇÃO E FUNCIONAMENTO
DA MONTERINGS- OG DRIFTSVEJLEDNING
NL INSTALLATIE- EN BEDIENINGSHANDLEIDING
SV INSTALLATION- OCH DRIFTHANDBOK
EL ΕΓΧΕΙΡΙΔΙΟ ΕΓΚΑΤΑΣΤΑΣΗΣ ΚΑΙ ΛΕΙΤΟΥΡΓΙΑΣ
BG РЪКОВОДСТВО ЗА ИНСТАЛИРАНЕ И ЕКСПЛОАТАЦИЯ
CS NÁVOD K MONTÁŽI A OBSLUZE
HU TELEPÍTÉSI ÉS ÜZEMELTETÉSI ÚTMUTATÓ
PL INSTRUKCJA MONTAŻU I OBSŁUGI
RO MANUAL DE INSTALARE SI OPERARE
RU ИНСТРУКЦИЯ ПО МОНТАЖУ И ЭКСПЛУАТАЦИИ
FI ASENNUS- JA KÄYTTÖOPPAASTAP
HR PRIRUČNIKU ZA INSTALACIJU I UPOTREBU
SL NAVODILA ZA MONTAŽO IN DELOVANJE
SK NÁVOD NA PREVÁDZKU A INŠTALÁCIU
UK ПОСІБНИКА З МОНТАЖУ ТА ЕКСПЛУАТАЦІЇ

Cooling & Heating

PMML0565 rev.0 - 09/2021

1 SAFETY SUMMARY

Hitachi cannot anticipate every possible circumstance that might involve a potential hazard.

⚠ DANGER

- ***DO NOT pour water into the remote controller. This product is equipped with electrical parts. If poured, it will cause a serious electrical shock.***
- ***DO NOT perform installation work and electrical wiring connection by yourself. Contact your Hitachi distributor or dealer and ask them for installation work and electrical wiring by service person.***

⚠ CAUTION

- *DO NOT install the indoor unit, outdoor unit, controller and cable at such places as;*
  - *Where there is oil vapor and the oil is dispersed.*
  - *Where the hot springs are near (in a sulfuric environment).*
  - *Where generation, flowing, staying or leaking of flammable gas is detected.*
  - *Where the sea is near (in the salty environment).*
  - *An acid or alkaline environment.*
- *DO NOT install the indoor unit, outdoor unit, controller and cable within approximately 3 meters from strong electromagnetic wave radiators such as medical equipment. In case that the controller is installed in a place where there is electromagnetic wave radiation, shield the controller and cables by covering with the steel box and running the cable through the metal conduit tube.*
- *In case that there is electric noise at the power source for the indoor unit, provide a noise filter.*
- *Use specified cables to connect between indoor unit and remote control switch. Selecting incorrect cables may lead to fire or electrical shoCk.*

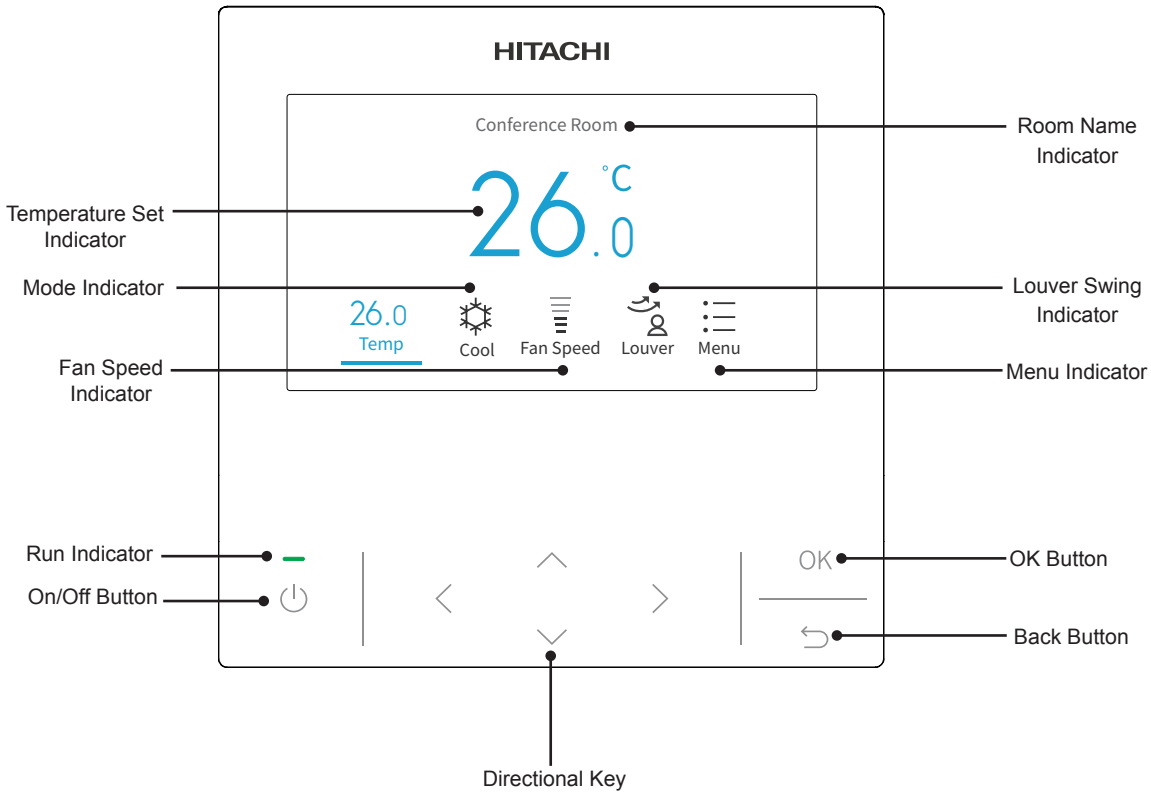
NOTE

- *The installer and system specialist shall comply with local regulations or standards for the safety. The following standards may be applicable, if loCal regulations are not available. International Organization for Standardization, ISO5149 or European Standard, EN378 or Japan Standard, KHKS0010.*
- *Perform electrical work according to the Installation Manual. As for the electrical wiring work and check, turn OFF the main power supply before opening/closing the service cover of indoor unit. If service cover is opened with main power supply left on, it may result in an electrical shock.*
- *It is assumed that this control remote will be operated and serviced by English speaking people. If this is not the case, the customer should add safety such as and operating signs in the native language for non English speakers.*
- *This manual should be considered as a permanent part of the air conditioning equipment and should remain with the air conditioning equipment.*
- *This appliance must be used only by adult and capable people, having received the technical information or instructions to handle this appliance properly and safely.*
- *Children should be supervised to ensure that they do not play with the appliance.*
- *Important: read and understand this manual before using this remote controller.*

If you have any questions, contact your Hitachi distributor or dealer.

2 SWITCH NAMES AND FUNCTIONS

The figure below shows all the indications for reference. The actual display during operation is different.



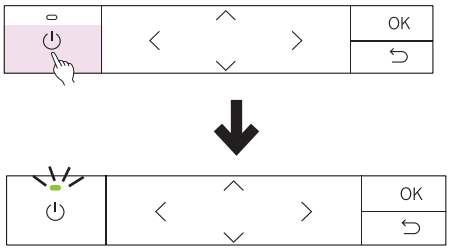
NOTE

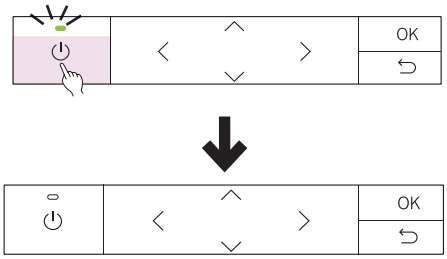
- *The complete information about the purchased products is supplied in a CD-ROM, which can be found bundled with the outdoor unit. In case that the CD-ROM is missing or it is not readable, please contact your Hitachi dealer or distributor.*
- *The backlight turns off 10 minutes after the last operation. If you press any switch, the backlight is turned on. (The switch pressed to turn on the backlight is not functional.)*
- *Make sure to press the buttons lightly with your fingertips.*
- *Do NOT press the buttons or anything with sharp points, such as a ball point pen. The operational functionality of the controller may become damaged.*

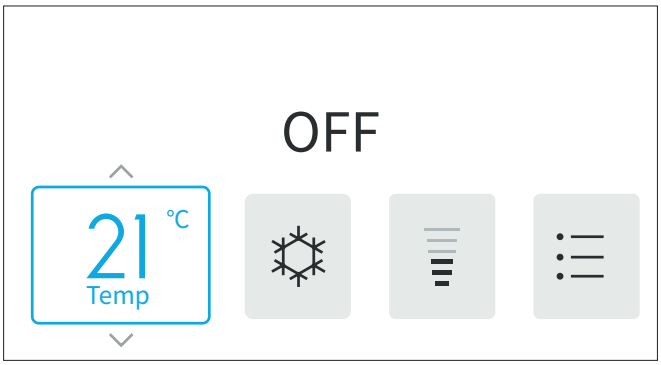
3 OPERATION

3.1 OPERATION START/STOP

Press "⏻" (run/stop). The run indicator will be turned on/off and the operation will be started or stopped accordingly.





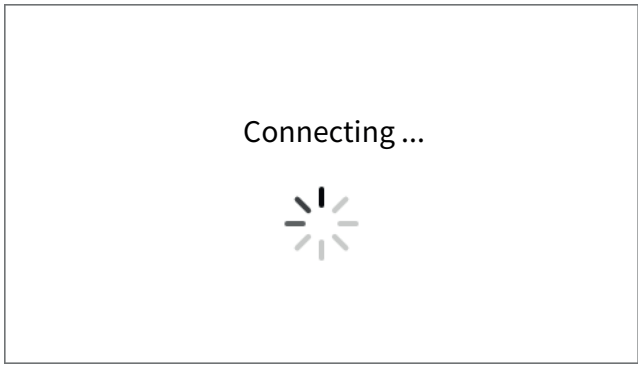


NOTE

- *Once the temperature and air volume settings are set, the setting status is stored and does not need to be reset.*
- *After the heating operation is stopped, it may continue to FAN operation for about 2 minutes.*

3.2 BASIC OPERATION

1 Wired controller Power ON.

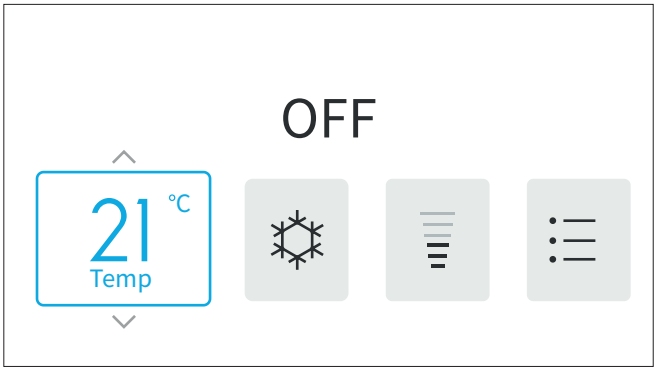


2 Air Conditioner OFF

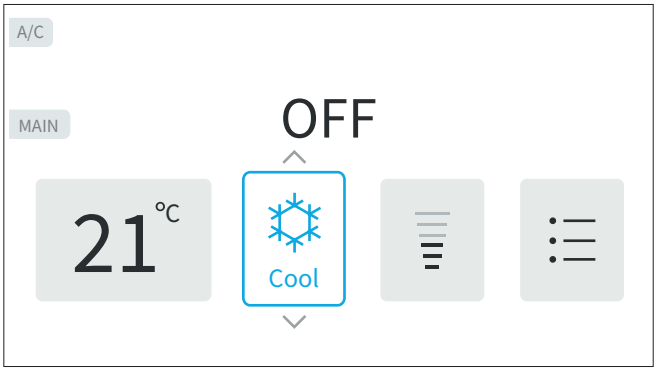
When air conditioner is off, press "<" or ">" to switch below items:

"Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Menu".

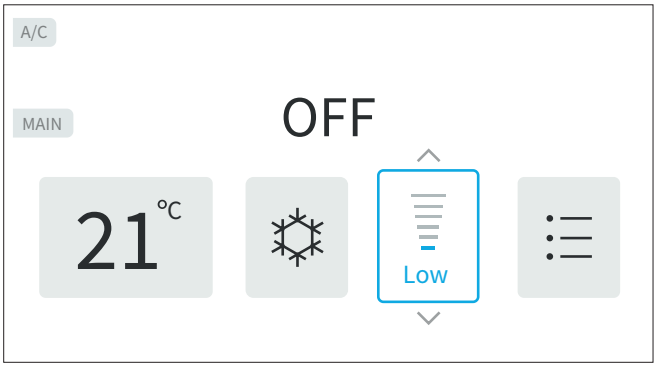
- Temperature



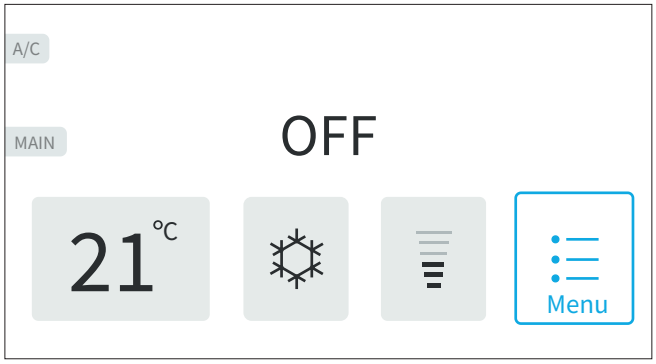
- Mode



- Fan Speed



- Menu



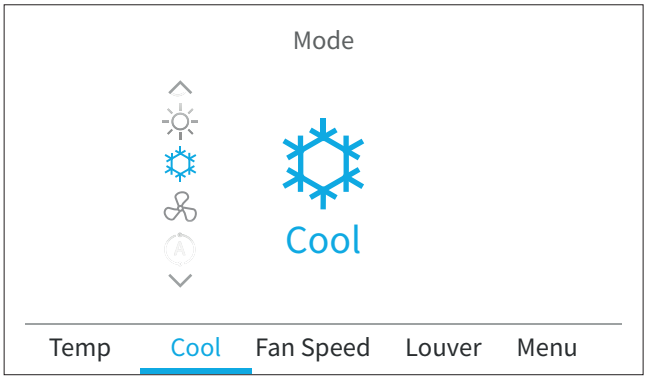
3 Air Conditioner ON

When air conditioner is on, press "<" or ">" to switch below items:

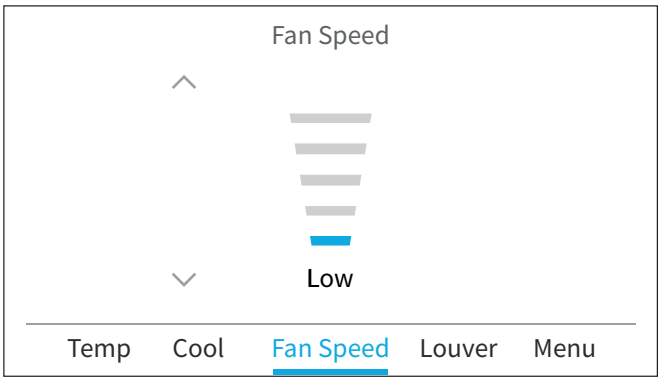
"Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Louver" ↔ "Menu".

- Temperature

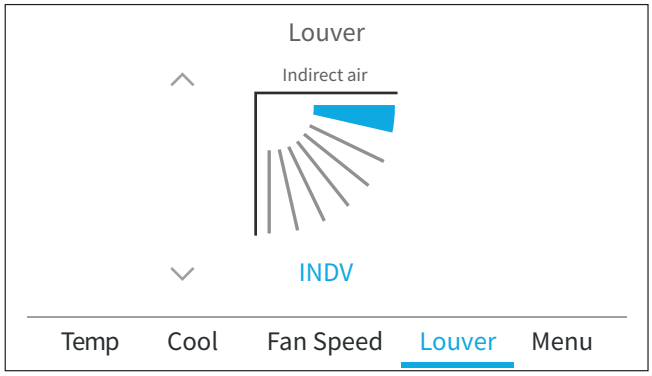
- Mode



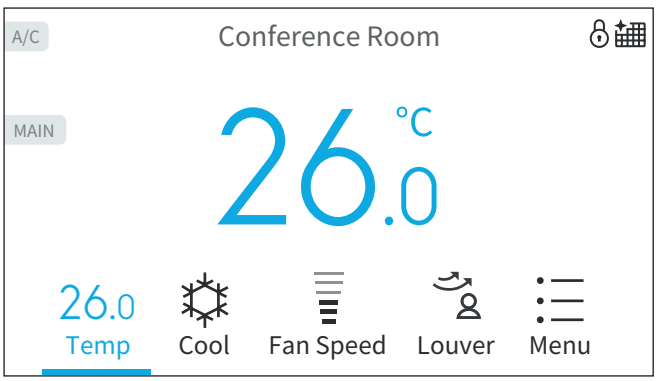
- Fan Speed



- Louver



- Menu

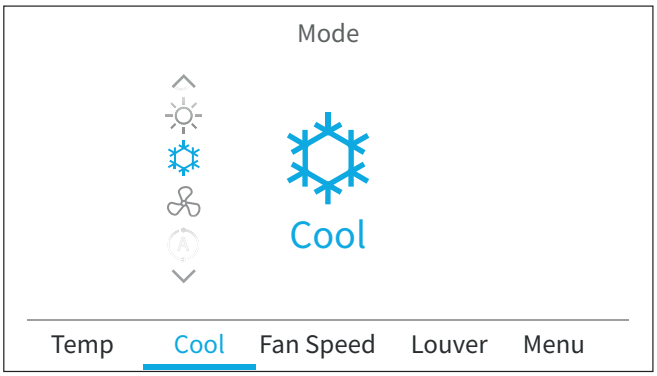


3.3 OPERATION MODE

Heating mode is only available when the indoor unit supports cooling and heating. Cooling only machine cannot support heating.

Operation mode setting

1 Press "〈" or "〉" to select "Mode".

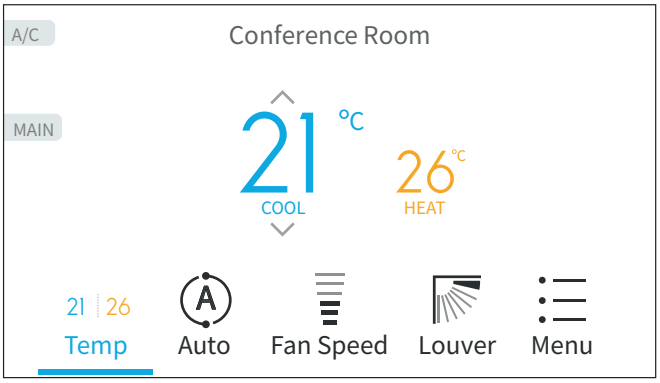


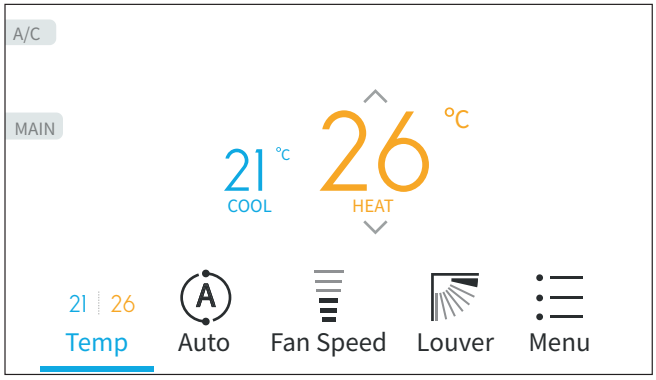
2 Set the operation mode with "∧" or "∨". The operation mode is switched in the following order:

"Cool" ↔ "Heat" ↔ "Dry" ↔ "Auto" ↔ "Fan"

If dual setpoint is selected in auto mode, both cooling setpoint and heating setpoint can be selected.
By default, temperature is as follows when the cooling/heating mode changes:

- Temperature switch from cooling mode to heating mode: Room temperature = Heating set temperature -1°C
- Temperature switch from heating mode to cooling mode: Room temperature = Cooling set temperature +1°C





NOTE

The function selection setting is required for "Auto" operation. Contact your distributor for detailed information.

3.4 TEMPERATURE SETTING

1 Press "〈" or "〉" to select "Temp".

2 By pressing "∧", the temperature is increased by 0.5ºC to a maximum of 30ºC.
By pressing "∨", the temperature is decreased by 0.5ºC.

3 Cooling, Dry, Fan operation: A minimum of 19ºC.

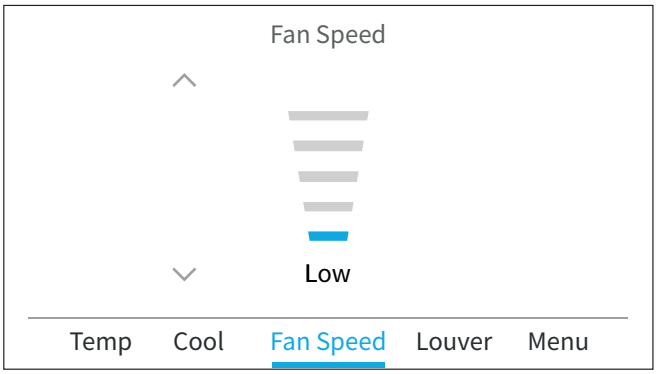
4 Heating operation: A minimum of 17ºC.

NOTE

- *Depending on the type and setting of the indoor unit, it may not be possible to set the temperature by 1°F (0.5ºC).*
- *The max./ min. temperature may differ depending on the type of indoor unit.*
- *Minimum and maximum temperature set-point limits can be configured by selecting a cooling lower limit and heating upper limit in the "Function Selection" mode.*
- *When the "Automatic Reset of Setting Temperature" function is selected, the temperature is automatically returned to the preset temperature after the temperature set-point change.*
- *Contact your distributor for detailed information about "Automatic Reset of Setting Temperature" and "Cooling Lower Limit Value and Heating Upper Limit Value for Setting Temperature" functions.*

3.5 FAN SPEED

1 Press "<" or ">" to select "SPEED".



2 By pressing "^" or "v", the fan speed changes as follows.

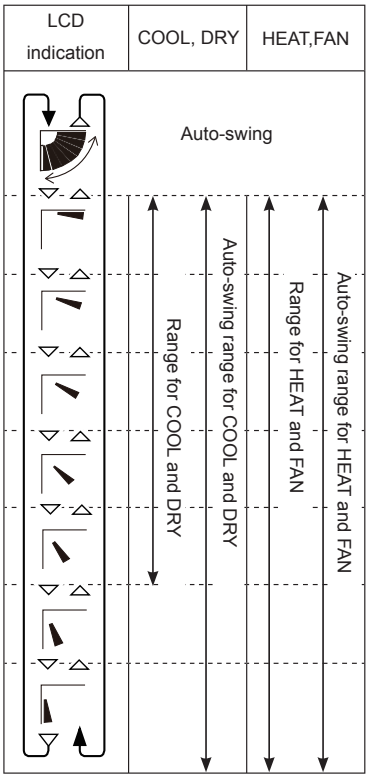
NOTE

- *During dry operation, the fan speed is automatically changed to "LOW" and cannot be changed to another fan speed. ("LOW" is NOT displayed on the liquid crystal display (LCD) at this time. The present setting status is displayed on the LCD.)*
- *Some of the fan speed settings as "High2" or "Auto" may not be available depending on the indoor unit type*

3.6 LOUVER SWING DIRECTION

1 Press "⏻" (On/Off). Make sure that the power is ON. Press "<" or ">" and select "Louver".

2 By pressing "^" or "v", the louver direction changes as below diagram , and the direction of different types of louver is displayed differently.



: Auto swing operation will be started. At this time, the louver icon on the LCD will keep swinging repeatedly.

NOTE

- *For the indoor unit without the auto louver mechanism, the indication of "Louver" is NOT displayed on the LCD.*
- *The air flow angle is different for each indoor unit type. Check for detailed information in each Operation Manual for indoor unit.*
- *The louver position on the LCD and the actual louver position may not match during the Auto-Swing. To set the louver positions, set the angle after checking the position on the LCD.*
- *The louver may NOT stop immediately after the switch is pressed.*

4 ICON DESCRIPTION

The status of the remote controller is displayed on the operation screen.

NOTE

- *It may not be displayed depending on the type of outdoor unit or indoor unit you are using.*
- *If there are multiple status, the high priority icon is displayed first.*

No.	Icon	Description
1		A schedule timer is set.
2		Set the current time. Schedule timer operation is not possible.
3		The off timer is set.
4		The operation lock is set.
5		Displayed when using the central controller. Remote control operation is restricted.
6		It is time to freeze-clean the heat exchanger.
7		It is time to clean the air filter.
8	Air-conditioning in Thermo-ON	Air-conditioning operation is performed.
9	Ventilation Total heat ventilation Automatic ventilation Normal ventilation	Ventilation, automatic ventilation, total heat ventilation, and normal ventilation are operating.
10	** ºC	Displays the room temperature. (*1)
11	Elevating	Elevating grille is not stored correctly.
12	In emergency operation	Emergency operation is in progress.
13	In setback	When setback operation is enabled and the card key is removed (when no one is present). (*2)
14	Night purge	In night purge progress.
15	Setback aborted	Setback is aborted.
16	In motion sensor control	Indicates capacity savings by motion sensor control during operation or stop.
17	In radiant sensor control	In order to efficiently heat the room when the radiant temperature is low, the wind direction and air volume are automatically controlled.
18	Cold air under control	In order to to prevent indoor temperature from being too low.
19	Outdoor operation noise reduction	The operation noise reduction control of the outdoor unit is set.
20	FrostWash is performed	Indicates the frostWash is performed.
21	Outside the indoor temperature range, frostWash discontinued	If the indoor temperature is out of the range of 15°C to 30°C, no frostWash is performed and the cancellation is displayed.
22	Outside the outdoor temperature range, frostWash discontinued	If the outdoor temperature is out of the range of 1°C to 43°C, no frostWash is performed and the cancellation is displayed.
23	Power savings Power savings: Low Power Savings: Med Power savings: High	Either the outdoor capacity control, indoor rotation control, or intermittent operation control is set.
24	External power savings	Outdoor capacity control is set on the central controller or outdoor unit. It does not light when the indoor rotation control or intermittent operation control of the remote controller is set.

No.	Icon	Description
25	Main	This is the main remote controller setting. Use the main remote controller to set the main power savings setting. In the case of a single unit, the main does not light up.
26	Sub	Sub remote controller is set. Except for some power savings functions, the sub remote controller cannot be set to save power.
27	Sub	There is no main remote controller. Controls related to power savings and operation noise reduction may not operate normally.
28	Autoboost	The operation is in quick mode.
29	Another remote controller is being set.	When the operation mode set from the remote controller and the operation mode of the outdoor unit is different, the indicator blinks.  Indicator blinks when "cooling" is set from the remote controller and when the operation mode of the outdoor unit is "heating".
30	Emergency Heating → Alarm Code: **	Emergency Heating Control is in progress. ** indicates the alarm code.
31	Automatic cleaning unit Mechanical abnormality Please check.	Indicates an error related to the automatic filter cleaning unit.
32	Cleaning the filter	The filter is being automatically cleaned.
33	In checking	Indicates an abnormality in the heat storage unit.
34	Compressor preheating	The compressor cannot be operated because it is preheating.
35	Hot start	Preparing for heating operation.
36	Defrosting	During the defrosting operation, the defrosting light turns on and the indoor fan stops. When the operation is stopped during the defrosting operation, the operation light or the run indicattor goes out, but the operation continues and stops after the defrosting is completed.
37	During heat storage	It cannot be operated due to the heat storage operation time.
38	Dust collection **-**	It is time to collect dust in the dust box of the automatic filter cleaning unit. **-** indicates the unit to be collected.
39	Central control	Displayed when using the central controller. Remote controller operation is restricted.
40	Countdown timer to turn OFF A/C	The remaining time of the off timer when the hotel mode is displayed.
41	Priority operation	Displayed on the main remote controller only in the operation mode or when there is a setting priority for the operation mode and the set temperature. At this time, the operation limit lights up on the sub remote controller, and the operation mode and temperature setting change on the sub remote controller are restricted.
42	Operation restriction	Displayed on the sub remote controller only when the operation mode or the operation mode and set temperature setting priority is given.

NOTE

- *(*1): It depends on the settings of the remote controller.*
- *(*2): The default setting is cooling: set temperature +2.5°C, heating: set temperature -2.5°C.*
- *If you want to change the correction value for this setback operation, please contact the distributor for more detailed information.*

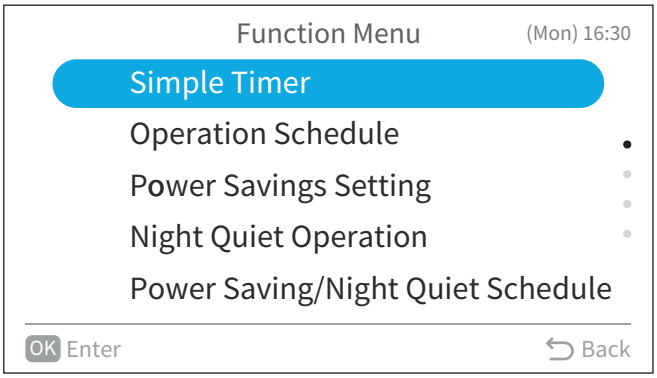
5 FUNCTION MENU

NOTE

- *Some functions cannot be set depending on the type, configuration, and usage status of the indoor unit.*
- *If a function with "⃠" is displayed, it means the function is not supported and the setting is disabled.*
- *For the "Filter Cleaning" and "Motion Sensor Setting" function menu display, please refer to the Operation Manual of the indoor unit.*

Display the function menu

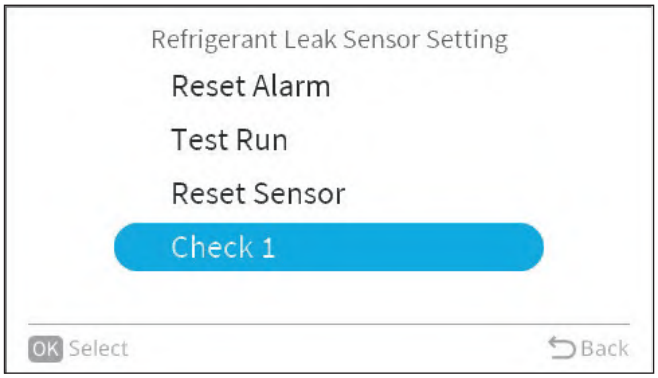
1 Select the “Function Menu” and press “OK”. The “Function Menu” screen is displayed.



2 Press “^” or “v” to select the item to set and press “OK”. Press “⮌” to return to the “Menu” screen.

If the "Menu screen" remains unchanged for approximately 10 minutes, the screen returns to the home screen.

Various settings are retained even when the power is turned off.



5.1 SIMPLE TIMER SETTING

This function is used to start or stop the unit operation at the set time.

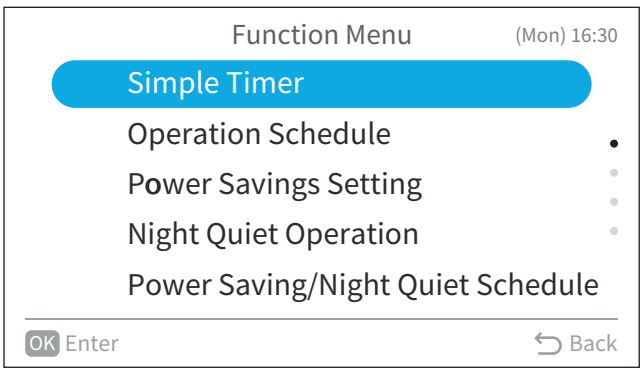
The timer operation contents can be set from "Not Used", "Once" or "Everyday".

NOTE

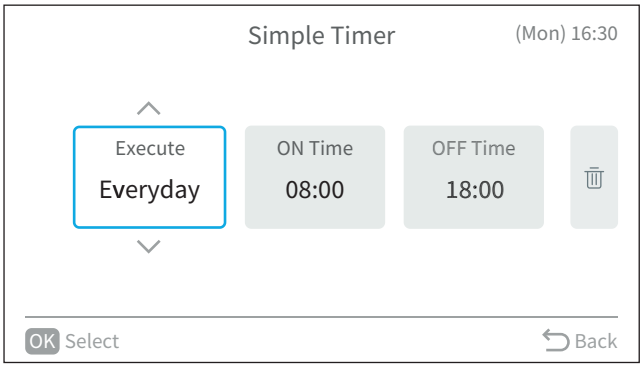
- *If "Once" on the timer operation setting is selected, the setting content changes automatically to "Not Used" after one timer operation.*
- *Do not set the same time for both ON/OFF timers.*
- *Scheduled operation (stop) is not possible while the remote control is prohibited.*
- *When is displayed, scheduled operation (stop) is not available.*
- *Refer to “7.1 Adjusting date / time” to set the date and time.*

Set the simple timer.

1 Select “Simple Timer” on the “Function Menu” screen and press “OK”.
When the current time has not been set yet, the “Adjusting Date/Time” setting screen is displayed.

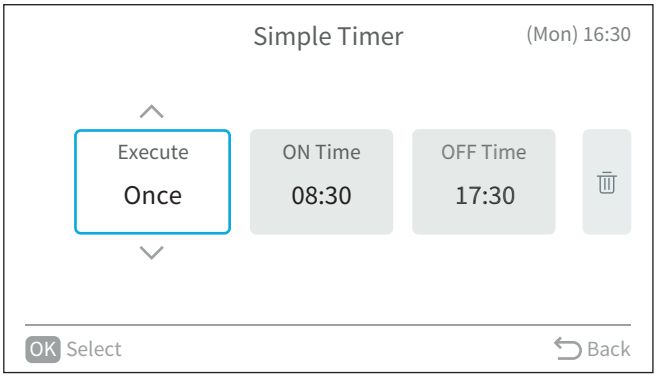


2 Press “<” or “>” to select the setting item:
“Execute” ↔ “ON Time” ↔ “OFF Time” ↔ “🗑”.

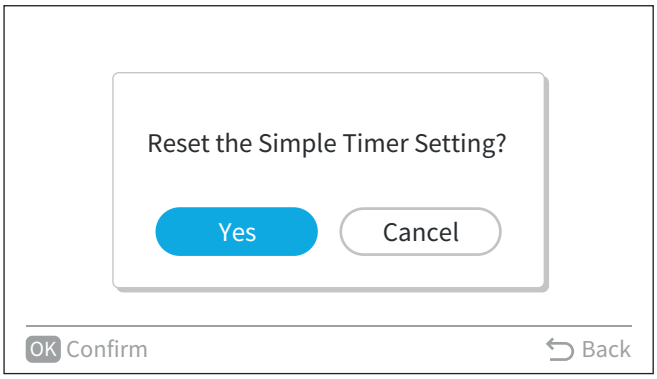


3 Press “^” or “v” to set each setting data for the selected items.
After setting, press “⮌” to confirm the settings and the screen returns to the “Function Menu” screen.

- When "Execute" is selected, press “^” or “v” to switch the setting items as follows: “Not Used” ↔ “Once” ↔ “Everyday”.



- When “ON Time” or “OFF Time” is selected, the setting time can be adjusted in 30-minute increments by pressing “^” or “v”. If you press and hold “^” or “v”, the number will increase or decrease continuously.
- When “🗑” is selected, if you select "OK", the confirmation screen is displayed. Select “Yes” and press “OK” to reset the “Simple Timer” setting and the screen returns to Step2.
If you select “Cancel”, the screen still returns to Step2.

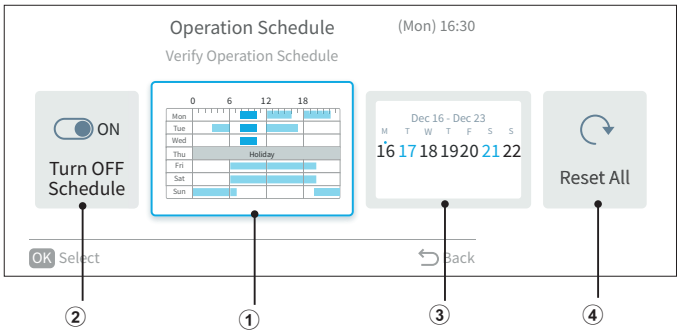


5.2 OPERATION SCHEDULE SETTING

This function is used to start or stop the unit operation at the set time.

The temperature can be set during operation.

The operation schedule can be set up to 5 times a day on each day of the week.



① Schedule day and time setting *“5.2.1 Schedule Day and Time Setting”*

The desired time and temperature can be set.

Set up to 5 times a day on each day.

② Schedule turn ON / OFF setting *“5.2.2 Schedule Turn ON/OFF Setting”*

This function temporarily prevents the schedule from running.

Schedule operation is not performed while the schedule is disabled.

This setting is normally applied during long vacation.

③ Schedule holiday setting *“5.2.3 Schedule Holiday Setting”*

Holidays can be set one week in advance.

On the days set as holidays, scheduled operation is not performed for only one day.

It is used when there are irregular off days such as holidays.

④ Reset setting *“5.2.4 Reset the setting”*

The schedule day / time setting and holiday setting are deleted.

5.2.1 Schedule Day and Time Setting

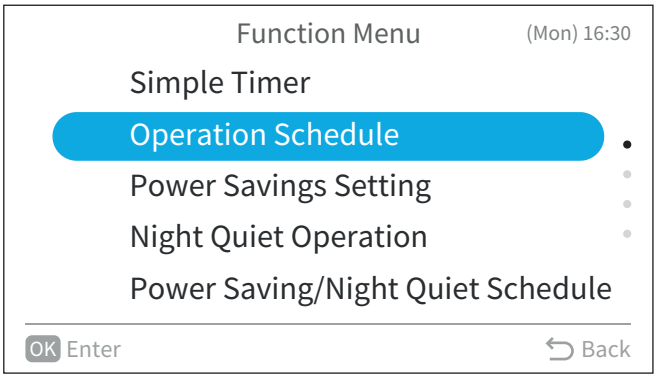
NOTE

- *Scheduled operation (stop) is not possible when the remote control is prohibited.*
- *When is displayed, scheduled operation (stop) is not available.*
- *Refer to "7.1 Adjusting date / time" to set the date and time.*

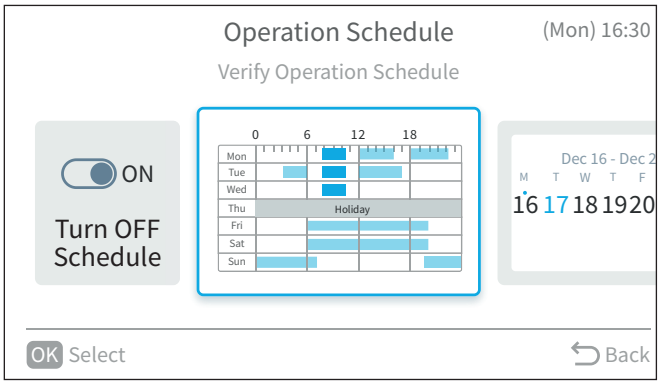
Set schedule day and time:

1 Select "Operation Schedule" on the "Function Menu" screen and press "OK".

- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.
- If no schedule or holiday has been set, Step3 is displayed.

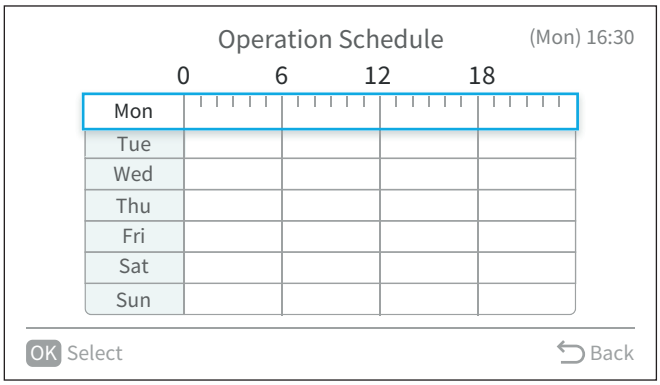


2 Press "‹" or "›" to select "Verify Operation Schedule", and then press "OK".



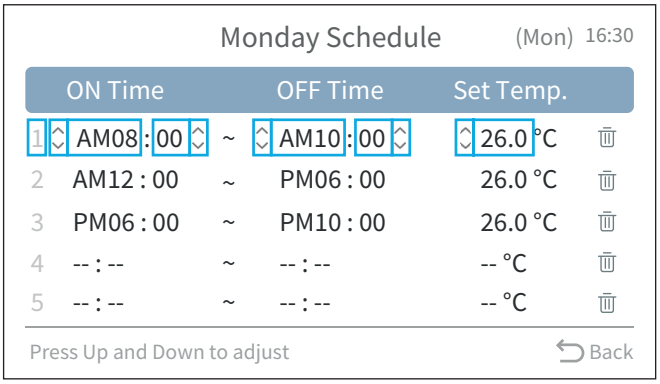
3 Select the day of the week (from Mon. to Sun.) to be set with "^" or "v", and press "OK".

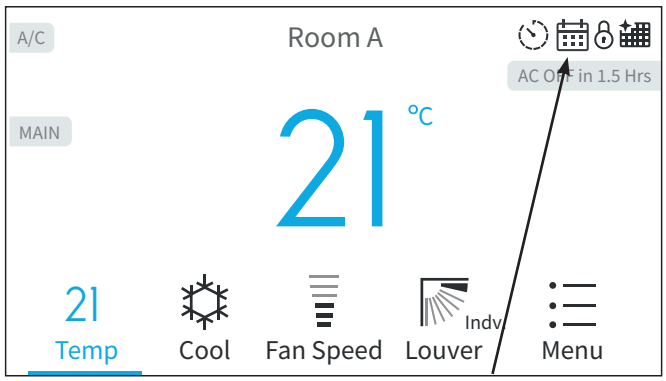
- ■ (run) and □ (stop) is displayed on the LCD.
- To copy the setting contents of the previous day, press "›" and "OK" simultaneously.



4 Press"^" or "v" to select schedule timer No.1 to No.5, and press "‹" or "›" to select "ON Time" ↔ "OFF Time" ↔ "Set Temp."↔ " 🗑 ". By pressing "^" or "v", "ON / OFF Time" and "Set Temp." can be set.

- Press and hold "^" or "v" to increase or decrease easily.
- 5 different schedule timers (maximum) can be set for each day of the week.
- Press "OK" to display the schedule time setting screen for the next day of the week.
- Select " 🗑 " and press "OK" to delete the settings of "ON / OFF Time" and "Set Temp".
- Press "⮌" to return to Step3.





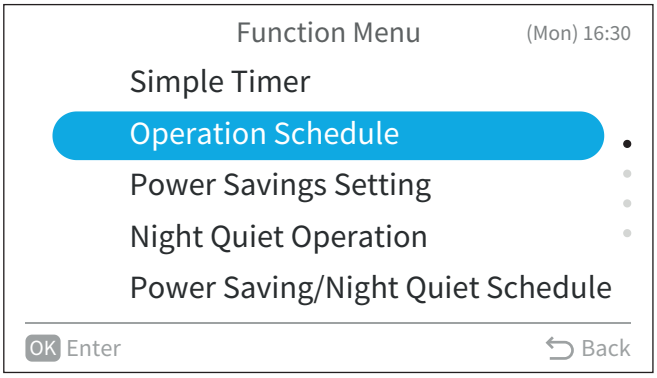
The icon displayed indicates that the schedule control is set and activated.

5.2.2 Schedule Turn ON/OFF Setting

Set schedule ON / OFF:

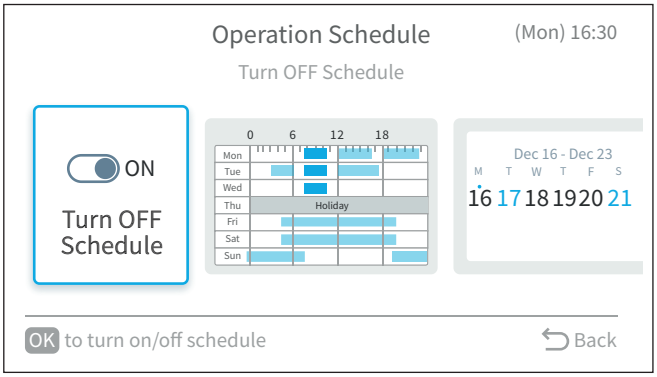
1 Select “Operation Schedule” on the “Function Menu” screen and press “OK”.

- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.
- If no schedule or holiday has been set, Step3 is displayed.



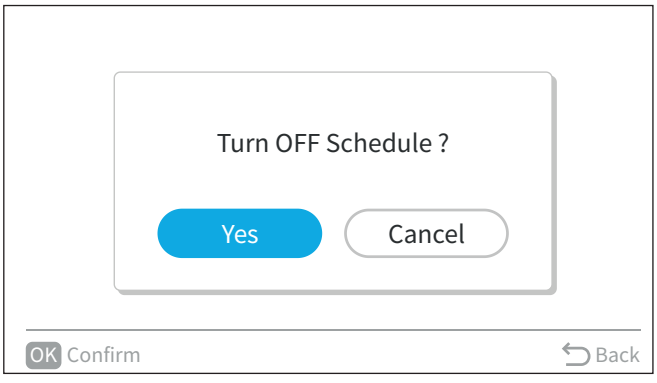
2 Press “<” or “>” to select “Turn ON/OFF Schedule”, and then press “OK”.

- When the schedule is ON, "Turn OFF Schedule" confirmation screen is displayed. When schedule is OFF, "Turn ON Schedule" confirmation screen is displayed.



3 Select "Yes" by pressing “<” or “>”and then press "OK".

- Confirm the schedule enable/disable setting and return to Step2.
- The display turns on when the schedule is ON.
- The display turns off when the schedule is OFF.



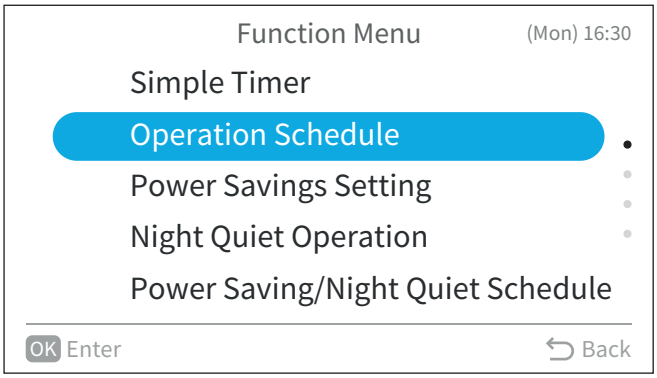
5.2.3 Schedule Holiday Setting

NOTE

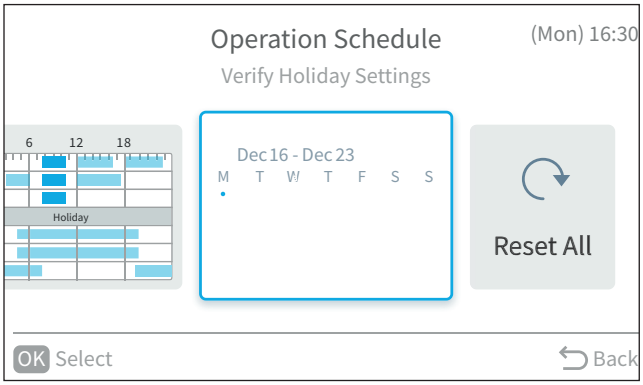
For holiday setting, the schedule setting indicator turns off.

1 Select “Operation Schedule” on the “Function Menu” screen and press “OK”.

- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.
- If no schedule or holiday has been set, Step3 is displayed.

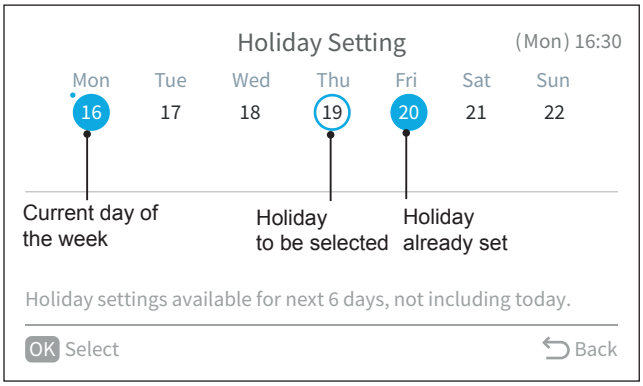


2 Press “<” or “>” to select “Verify Holiday Settings”, and then press “OK”.



3 Select the day of the week (from Mon. to Sun.) to set as a holiday by pressing “^” “v” “<” or “>”.
Press “OK” to select “Holiday setting” or “Cancel”.
“•” indicates the current day of the week.
“O” indicates the holiday to be selected.
“●” indicates the holiday already set.

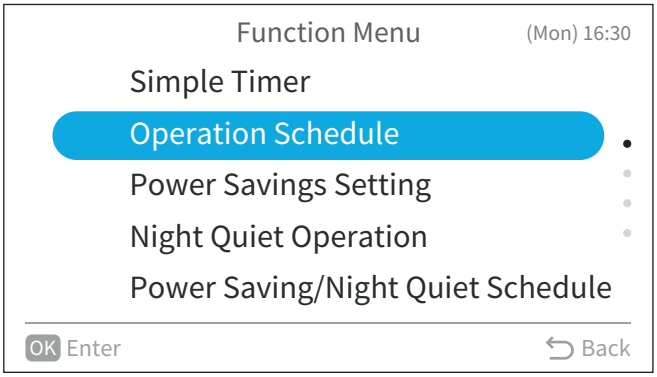
Press “⮌” to confirm the setting and return to Step2.



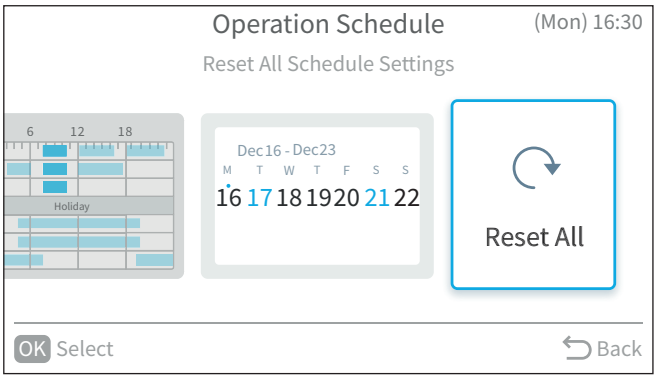
5.2.4 Reset the setting

1 Select “Operation Schedule” on the “Function Menu” screen and press “OK”.

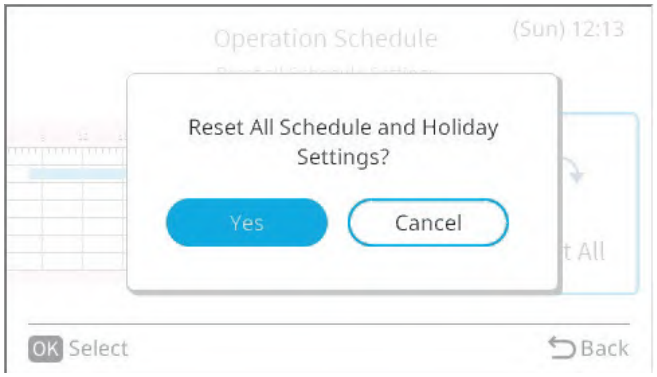
- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.
- If no schedule or holiday has been set, Step3 is displayed.



2 Press “<” or “>” to select “Reset All” and then press “OK”.



3 Select "Yes" by pressing “<” or “>”and then press "OK". All schedule and holiday settings are reset and the screen returns to the Step3 of *“5.2.1 Schedule Day and Time Setting”*.



5.3 POWER SAVINGS SETTING

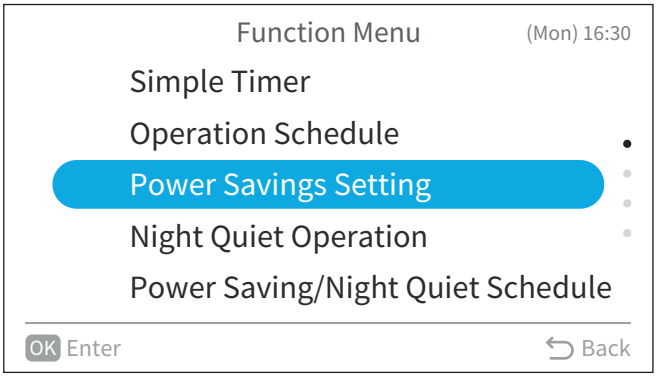
No.	Item	Description
①	Capacity Control	Suppress the heating and cooling capacity of the indoor unit. Set control mode and power savings level with its corresponding value.
②	Rotation Control	Interlock with indoor units of the same outdoor unit system and switch to FAN operation in sequence. Set control mode and fan mode time.
③	Intermittent Control	Cooling/heating mode and fan mode are repeated at regular intervals. Set power savings level.
④	No Setting	Power savings operation is not performed.

NOTE

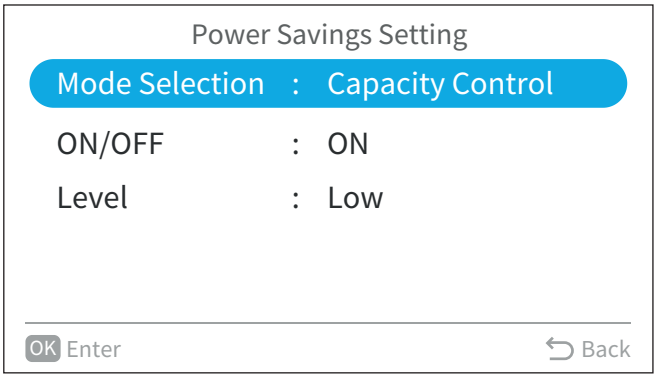
- *The power savings mode that can be switched differs depending on the type of the outdoor unit or indoor unit.*
- *The power savings modes that can be switched according to the "Main / Sub" display are as follows.*
  - *Main — the power savings mode can be switched from ① to ④.*
  - *Sub — the power savings mode cannot be switched. The power savings mode of the sub synchronizes with that of the main remote controller of the same outdoor unit system.*
- *When the power savings mode is "Indoor rotation control", the power savings level cannot be changed.*
- *When the power savings mode is "No Setting", the power savings ON / OFF and power savings level cannot be changed.*
- *When the power savings mode is "Outdoor capacity control" and sub, the power savings ON / OFF and power savings level cannot be changed.*
- *When the power savings mode is switched, power savings ON / OFF is set to OFF.*
- *When using the power savings function, the cooling and heating capacity may decrease.*
- *Detailed settings can be changed from the power saving details setting.*

5.3.1 Power Savings Mode Setting

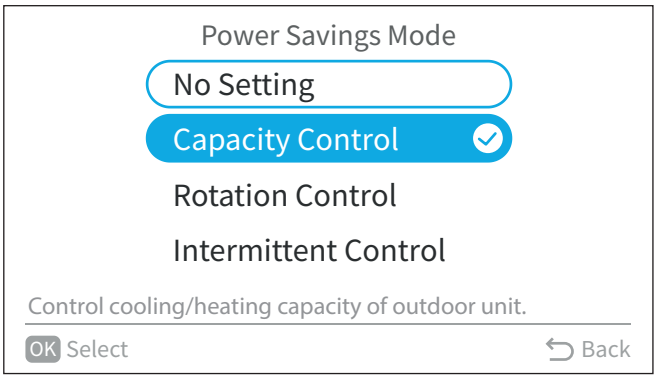
1 Select “Power Savings Setting” on the “Function Menu” screen and press “OK”.



2 Press “^” or “v” to select the “Mode Selection”and press “OK”.

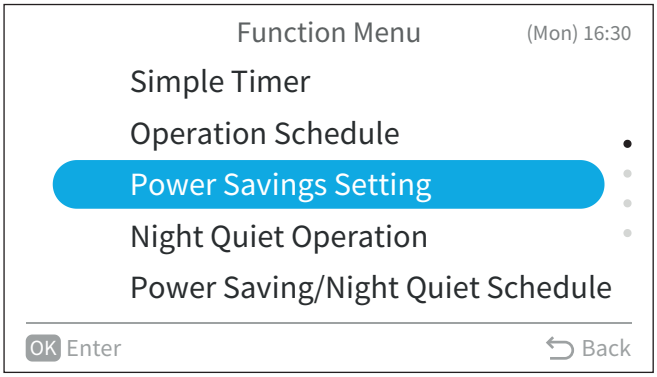


3 Press “^” or “v”, the item changes as follows:
"No Setting" ↔ "Capacity Control" ↔ "Rotation Control" ↔ "Intermittent Control".
Select the power savings mode and press "OK" to confirm the setting.
Press “⮌”, the screen returns to the “Power Savings Setting” screen.

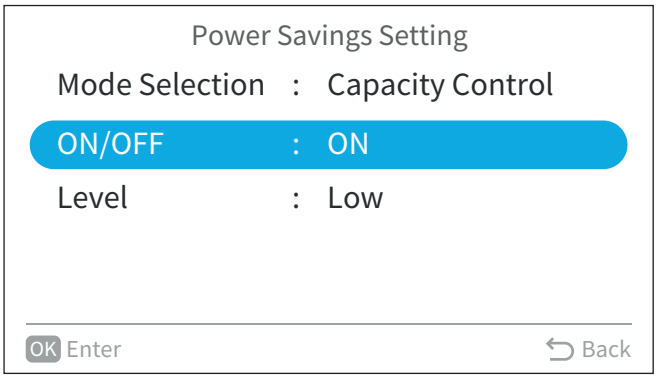


5.3.2 Power Savings ON/OFF Setting

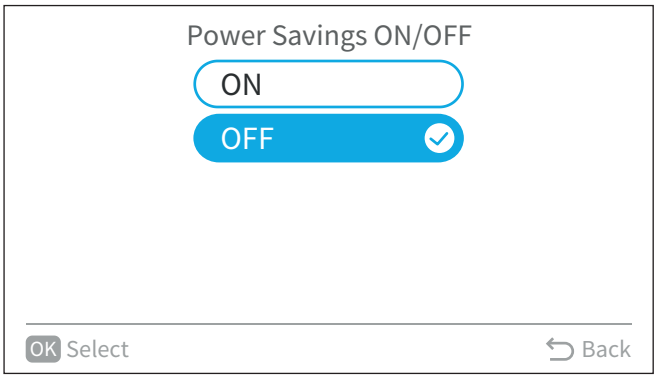
1 Select “Power Savings Setting” on the “Function Menu” screen and press “OK”.

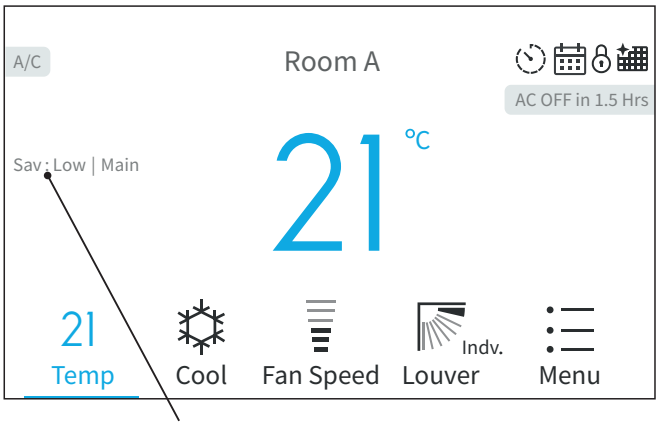


2 Press “^” or “v” to select the “ON/OFF”and press “OK”.



3 Press “^” or “v” to select the “ON”and press “OK”.
Press “⮌”, the screen returns to the “Power Savings Setting” screen.

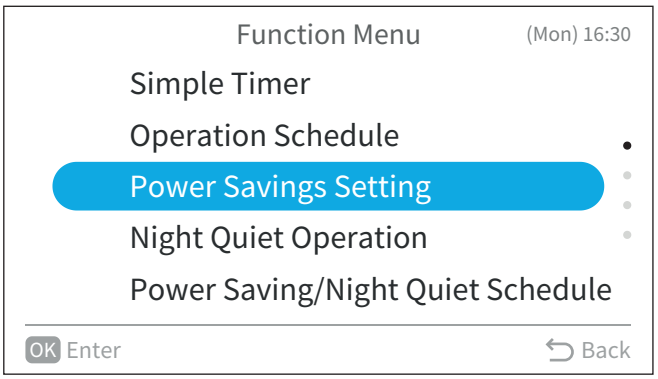




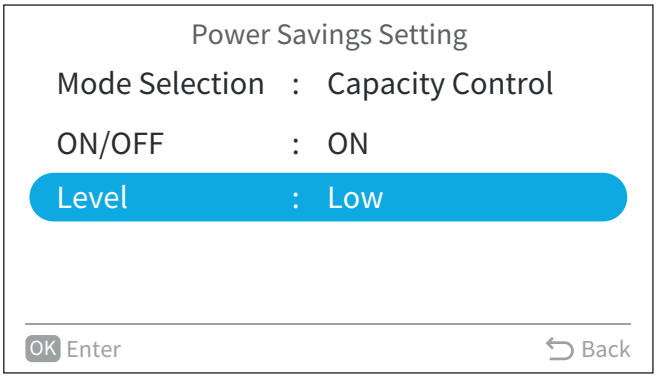
When power savings is ON, power savings level is displayed to indicate the power savings setting.

5.3.3 Power Savings Level Setting

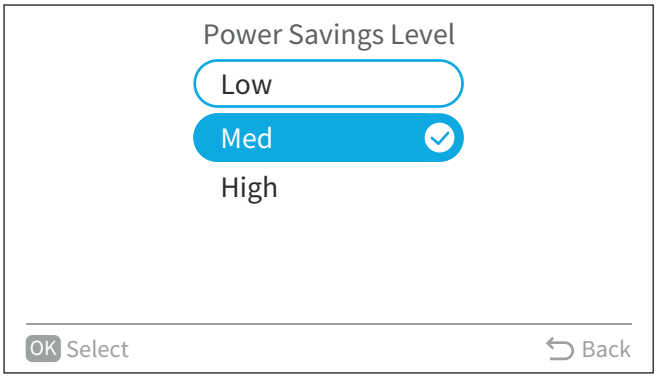
1 Select “Power Savings Setting” on the “Function Menu” screen and press “OK”.



2 Press “^” or “v” to select the “Level”and press “OK”.



3 Press “^” or “v”, the power savings level changes as follows: “LOW” ↔ “MED” ↔ “HIGH”.
Select the level and press “OK”.
Press “⮌”, the screen returns to the “Power Savings Setting” screen.
You may not be able to select from the settings in the power saving details setting.



5.4 NIGHT QUIET OPERATION

This function restricts the operation noise of the outdoor unit.

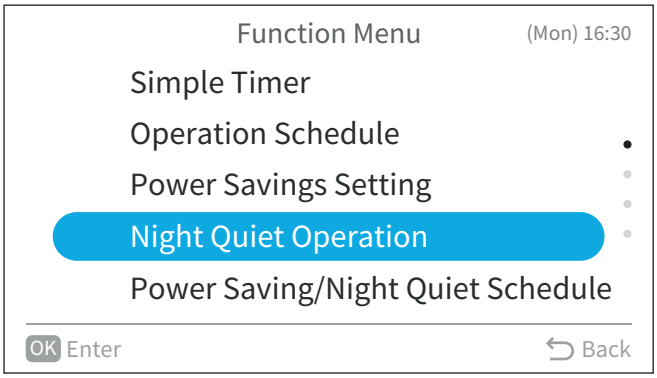
NOTE

- *This cannot be set if the sub remote controller or outdoor unit does not support power savings.*
- *It is possible to change the operation noise reduction function setting of the outdoor unit by making the following operation noise reduction settings.*

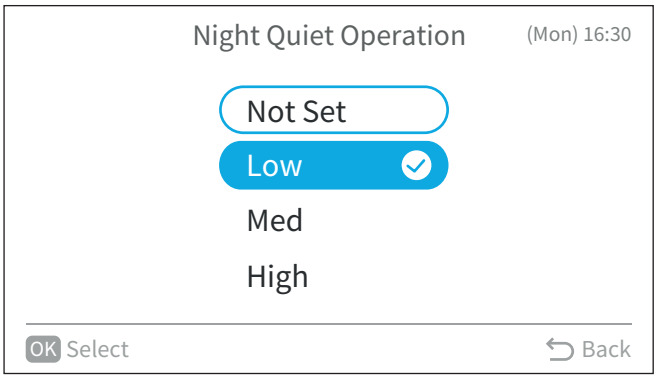
Remote Controller Setting	Outdoor Unit Setting Name
Not Set	No Setting
Low	Setting 1
Med	Setting 2
High	Setting 3

  - *For the amount of reduction, please contact related local distributor.*
- *When using the operation noise reduction setting, the cooling / heating capacity can be decreased.*

1 Select “Night Quiet Operation” on the “Function Menu” screen and press “OK”.



2 Press "^" or "v", the level changes as follows:
"Not Set" ↔ "LOW" ↔ "MED" ↔ "HIGH".
Select the level and press "OK".
Press "↩", the screen returns to the "Function Menu" screen.

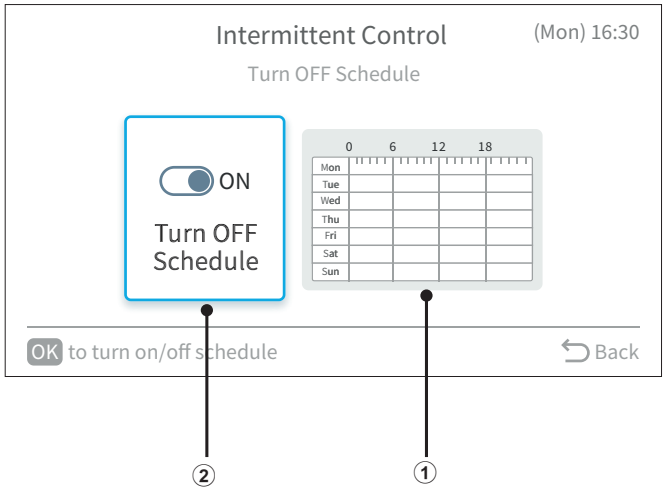


5.5 POWER SAVING/NIGHT QUIET SCHEDULE SETTING

This function starts and stops power savings control and operation noise reduction control at the desired time.

Power saving/night quiet schedule settings can be set up to five times a day on each day of the week.

The power savings schedule controls the schedule set in the power savings mode setting.



① Schedule day and time setting *"5.5.1 Schedule Day and Time Setting"*

To set the desired time and level.

To set up five times a day on each day.

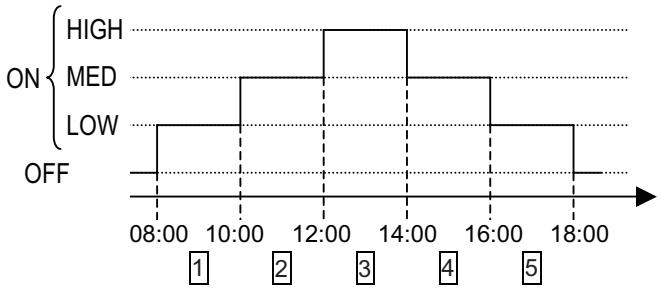
② Schedule turn ON / OFF setting *"5.5.2 Schedule Turn ON/OFF Setting"*

Schedule operation is not performed while the schedule is disabled. This is a function that temporarily prevents the schedule from running. It is used when there is a long vacation.

NOTE

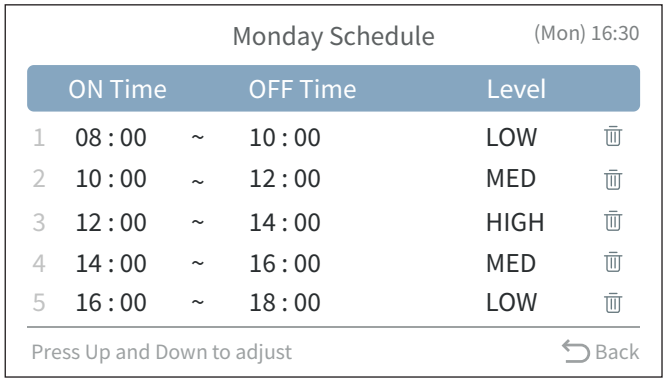
- *When managing multiple patterns of schedules on the same day as in following examples, don't set overlapped times zone.*
- *If the schedule times zones overlap as in example 2, the schedule will be canceled at the first off time (14:00 in the case of the example 2).*

Example of power saving operation and schedule setting

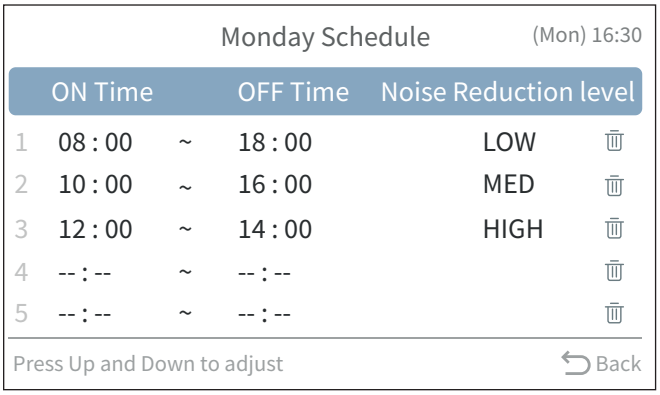


Example of power saving and night quiet schedule operation

Example 1



Example 2



5.5.1 Schedule Day and Time Setting

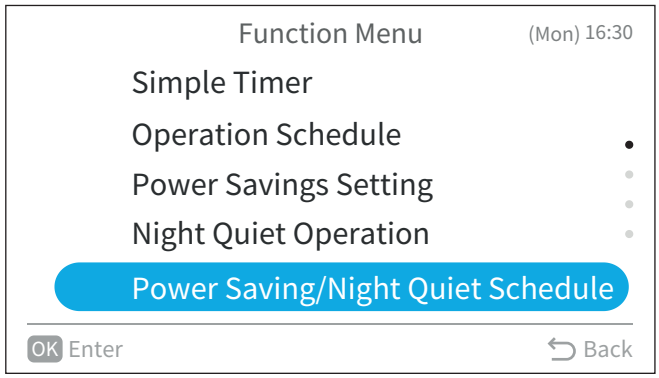
NOTE

indicates that schedule control is not possible. Refer to "7.1 Adjusting date / time" to set the date and time.

Set the schedule day and time

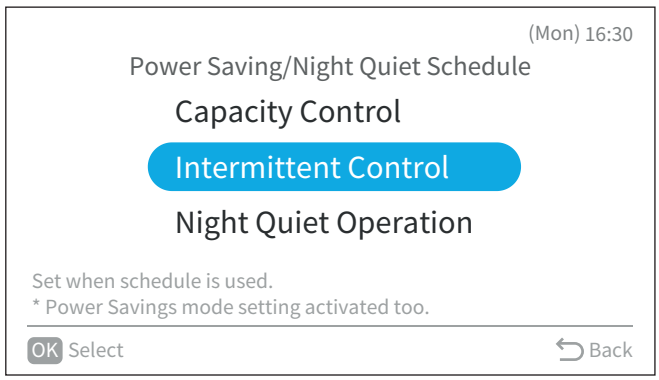
1 Select "Power Saving/Night Quiet Schedule" on the "Function Menu" screen and press "OK".

- If the sub remote controller or indoor unit does not support power savings, the power saving schedule setting screen for intermittent control (Step3) is displayed.

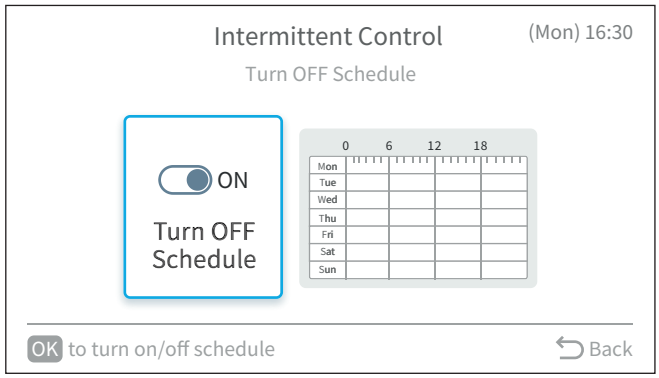


2 Press "^" or "v" to select the setting items, and then press "OK". The items are changed as follows:
"Capacity Control" ↔ "Intermittent" ↔ "Night Quiet Operation".

- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.
- If no schedule or holiday has been set, Step4 is displayed.

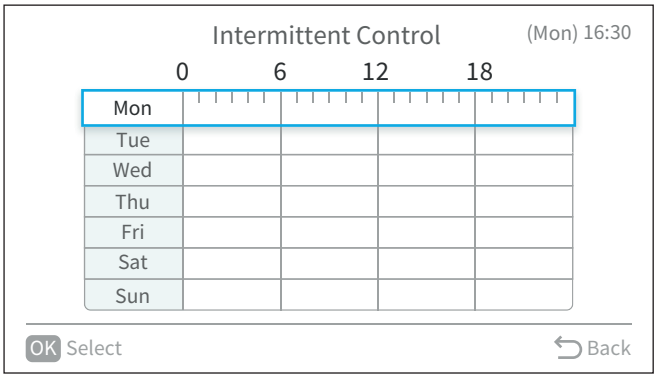


3 Press "<" or ">" to select the schedule day and time settings, and then press "OK".

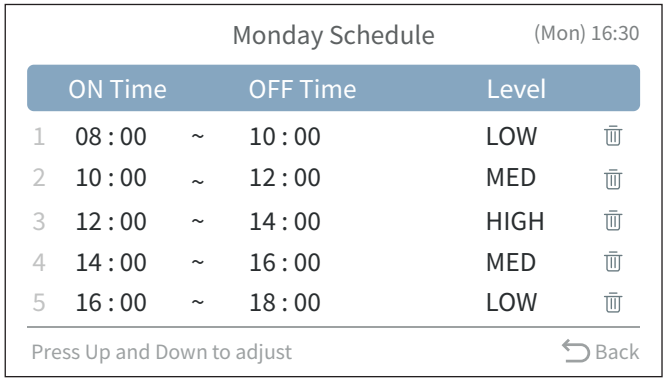


4 Select the day of the week (from Mon. to Sun.) to be set with "^" or "v", and press "OK".

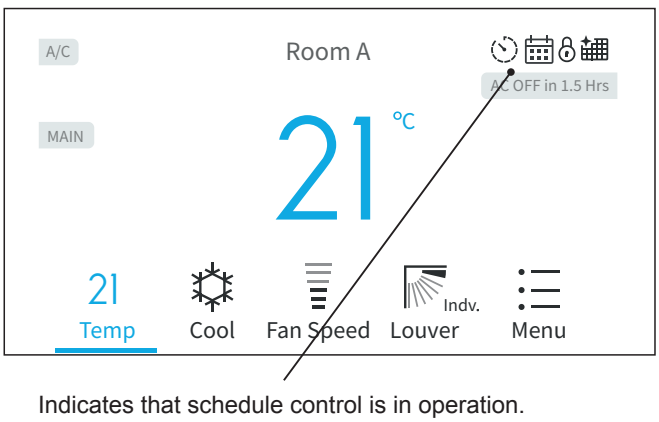
- ■ (run) and □ (stop) is displayed on the LCD.
- To copy the setting contents of the previous day, press ">" and "OK" simultaneously.



5 Press"^" or "v" to select schedule timer No. 1 to No.5, and press "<" or ">" to select "ON Time" ↔ "OFF Time" ↔ "Noise Reduction"↔ " 🗑 ". By pressing "^" or "v", "ON / OFF Time" and "Noise Reduction" can be set.



- Press and hold "^" or "v" to increase or decrease continuously.
- Five different schedule timers (maximum) can be set for each day of the week.
- Press "OK" to display the schedule time setting screen for the next day of the week.
- Select " 🗑 " and press "OK" to delete the setting of "ON / OFF Time" and "Noise Reduction".
- Press "⮌" to return to Step4.



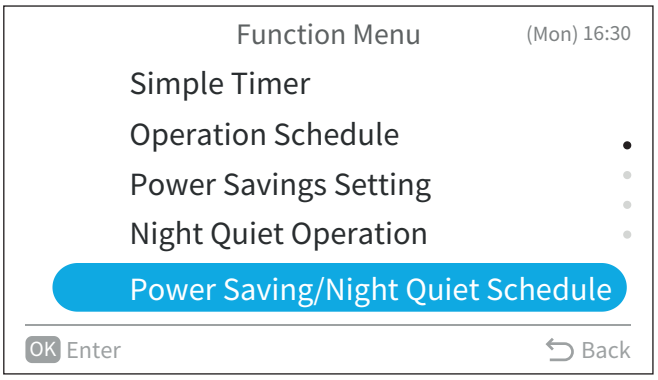
Indicates that schedule control is in operation.

5.5.2 Schedule Turn ON/OFF Setting

Turn ON / OFF the schedule

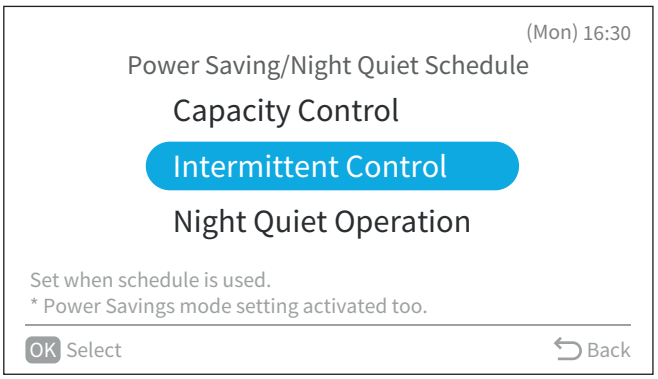
1 Select “Power Saving/Night Quiet Schedule” on the “Function Menu” screen and press “OK”.

- If the sub remote controller or indoor unit does not support power savings, the power saving schedule setting screen for intermittent operation control (Step3) is displayed.



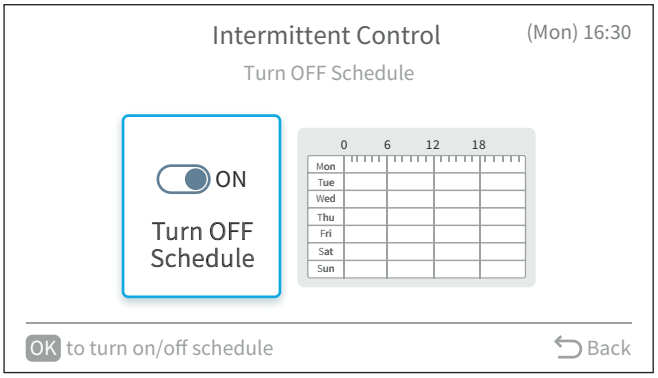
2 Press “^” or “v” to select the setting items, and then press “OK”, the items are changed as follows:
"Capacity Control" ↔"Intermittent Control" ↔ "Night Quiet Operation".

- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.
- If no schedule or holiday has been set, Step4 of *“5.5.1 Schedule Day and Time Setting”* is displayed.

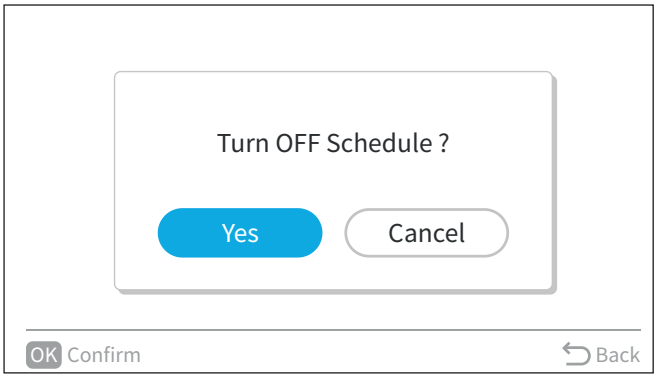


3 Press “<” or “>” to select “Turn ON/OFF Schedule, and then press “OK”.

- When the schedule is ON, "Turn OFF Schedule" confirmation screen is displayed. When schedule is OFF, "Turn ON Schedule" confirmation screen is displayed.



4 Press”^” or “v” to select “Yes” and then Press “OK”. Confirm the schedule ON/OFF, and the screen returns to Step3.



5.6 POWER CONSUMPTION DISPLAY

This function displays the power consumption of the outdoor unit compressor.

The value of each displayed in Graph/List format is 1 day (24h (- every 2 hrs.)), 1 week (7 days), and 1 year (12 months).

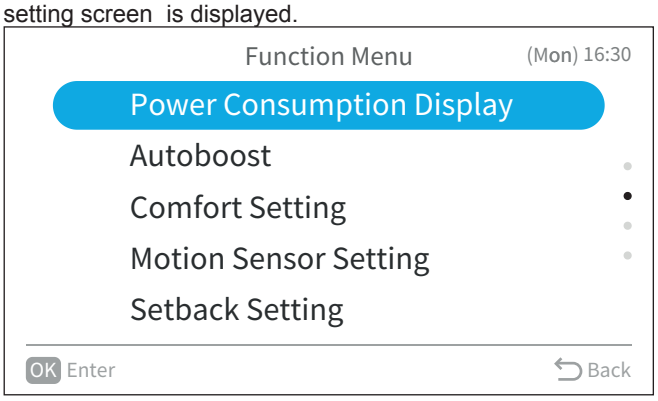
NOTE

- *The numerical value is a reference. Do not use this unit for the following: calculation of power rates, examination of the power contract, or calculation of greenhouse gas emissions.*
- *This cannot be set if the power savings function is not supported.*
- *In following instances, the calculated value may be a deficit or may be changed.*
  - *Power Failure (outdoor unit, indoor unit, wired controller)*
  - *Communication Failure (outdoor unit ↔ indoor unit ↔ wired controller)*
  - *Modification of time*
- *indicates that schedule control is not possible. Refer to "7.1 Adjusting date / time" to set the date and time.*

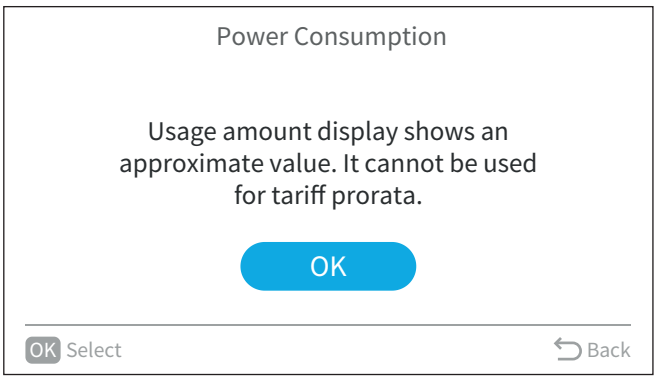
Set power consumption display

1 Select “Power Consumption Display” on the “Function Menu” screen and press “OK”.

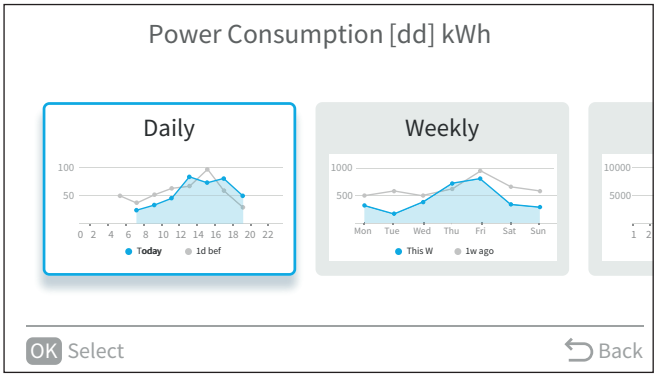
- If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.

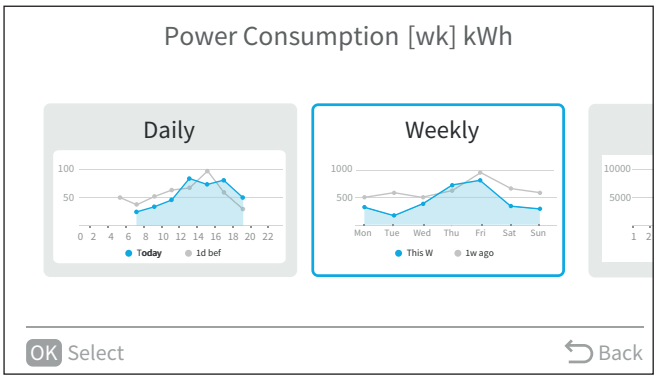


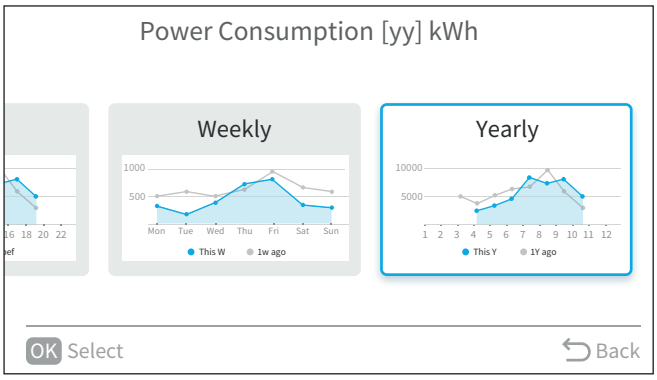
2 Press “OK”.



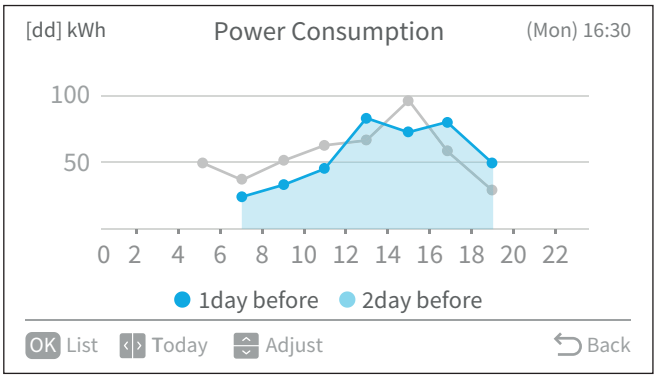
3 Press “〈” or “〉” to select the display period, and then press “OK”.
It switches in the order of 1 day (24 hours) ↔ 1 week (7 days) ↔ 1 year (12 months).

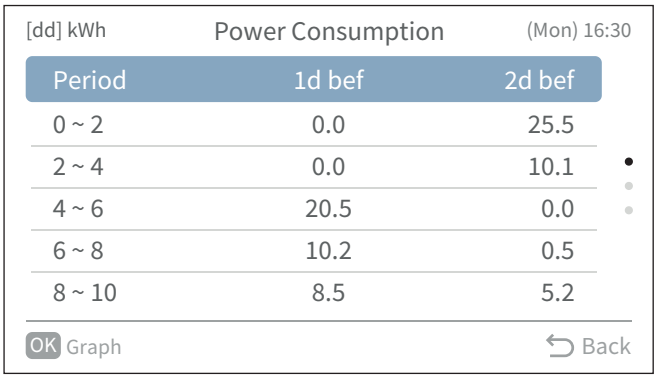






- Comparison
  Press “〈” or “〉” to switch the comparison target for the display period.
  2 days before / 1 day before ↔ 1 day before / Today
  2 week ago / 1 week ago↔ 1 week ago / This week
  2 years ago / 1 year ago ↔ 1 year ago / This year
- Display scale
  Press “∧” or “∨” to switch the display scale.
- Graph ↔ List display
  Press "OK" to switch between the graph and list display of the power consumption display.
- Press “⮌” to return to the display period selection screen.





5.7 AUTOBOOST SETTING

The function is used to increase the cooling and heating capacity in 30 minutes once the operation starts.

This function is only available when the operation mode is COOL or HEAT.

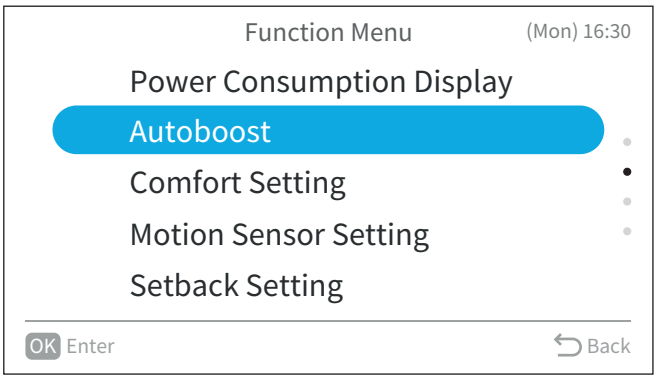
The unit starts each time in quick mode until the setting is canceled.

NOTE

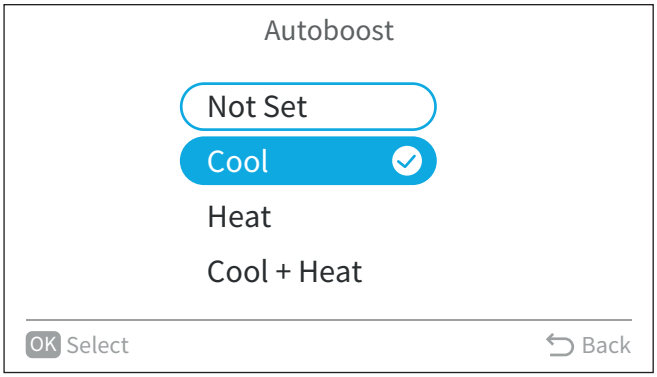
- *Autoboost cannot be set when the outdoor unit does not support this function.*
- *Autoboost cannot be used if Power Savings is not supported.*
- *When quick function is activated while mode is "Cool", fan speed changes and is locked as "Auto" for 30 minutes at the longest regardless of the current setting. While in this operation (fan speed "Auto"), fan level may drop as low as "Low" when the room temperature gets close to the setting temperature. The operation starts regardless of the fan speed.*

Set the autoboost

1 Select “Autoboost” on the “Function Menu” screen and press “OK”.



2 Press “^” or “v” the selected items changes as follows: “Not Set” ↔ “COOL” ↔ “HEAT” ↔ “Cool + Heat”.
Select the Autoboost mode and press “OK” to confirm the settings.
Press “⮌” to return to the “Function Menu” screen.



5.8 COMFORT SETTING

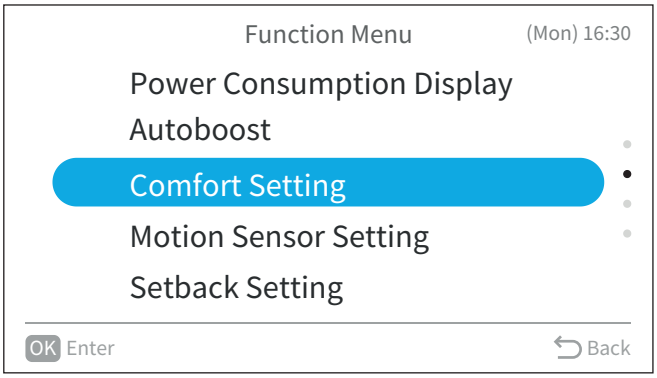
This function is used to control discharge or supply air temperature when in the cooling mode.

NOTE

- *This function cannot be set when the indoor unit does not support this function.*
- *The cool air level order is as follows: "HIGH" > "MED" > "LOW" and the temperature of the discharged air is high.*
- *The effect may not be sufficient if two or more units are operating in the room, which the air may be "cold".*
- *When this function is set, it may take time for the entire room to cool down.*

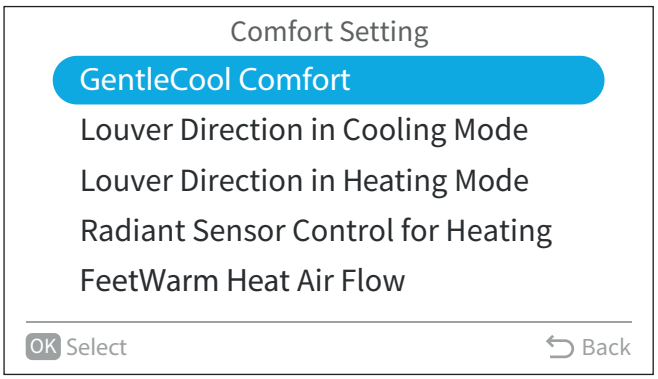
Set the comfort

1 Select “Comfort Setting” on the “Function Menu” screen and press “OK”.

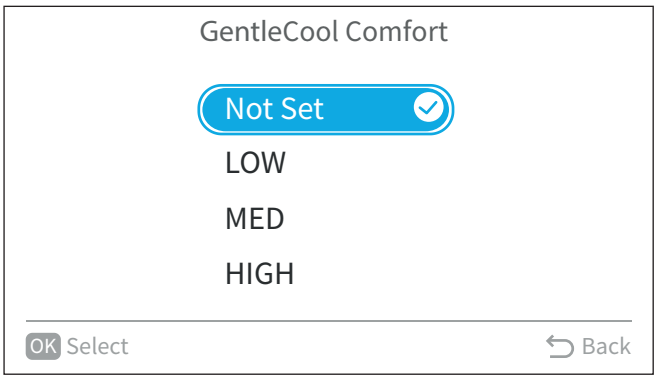


2 Press “^” or “v” to select “Cool Air Comfort Level”, and then press “OK”.

- For other settings, please refer to the Operation Manual of the indoor unit.



3 Press “^” or “v”, the selected comfort level changes as follows: “Not Set” ↔ “LOW” ↔ “MED” ↔ “HIGH”.
Select the “Cool Air Comfort Level” during cooling and press “OK”.
Press “⮌” to return to the “Function Menu” screen.



5.9 MOTION SENSOR SETTING

This function is available only when the motions sensor is equipped with the air panel.

The motion sensor detects a human activity by the change of the infrared light.

This function saves the air conditioning capacity (adjusting the set temperature, the air flow volume and the air flow direction) automatically depending on a situation.

The operation after the motion sensor detects as absence can be selected from “Running”, “Stand-by” or “Stop” on the remote control switch with the capacity saving.

NOTE

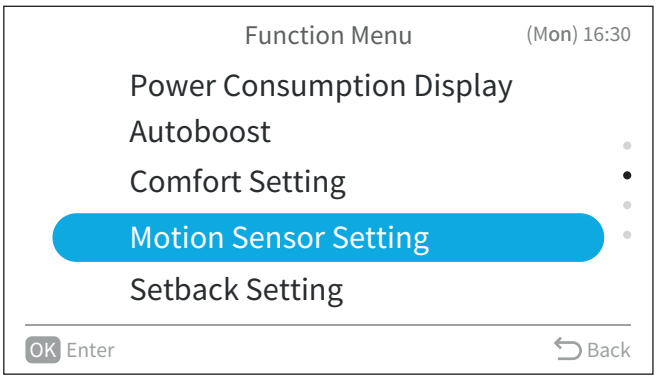
This setting is available only for the air panel with motion sensor.

CAUTION

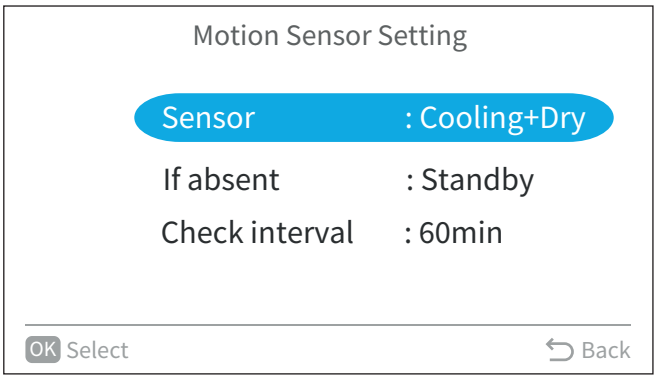
- *Do not use the motion sensor function when a baby or a handicapped person stays by oneself. The motion sensor may detect as absence and the operation may be stopped in the case of staying for long time with a bit motion.*
- *The motion sensor detects the human activity. However, if someone is in a room with a bit motion, the motion sensor may detect as absence.*
- *The motion sensor may detect as human activity if the indoor unit with the motion sensor is installed near a moving object (ex. swing operation of a heating appliance) which is difference in temperature against atmosphere.*
- *In the case that the indoor units are operated by 2 remote control switches, the motion sensor setting is available only from the main remote control switch.*
- *The indoor unit operation can be stopped by the motion sensor control.*
- *While the air conditioning capacity is saved or the operation is stopped by the motion sensor control, “Motion sensor is activated” is displayed on LCD.*
- *If the function “Prohibiting operation by remote control switch” is used from the centralized controller, select the command “Running” or “Stand-by” in “If absent” at the motion sensor control setting.*
- *If “Stop” is selected, the motion sensor control can not be performed correctly as follows:*
  - *In the case that “Stop” is selected in the motion sensor control setting and “Prohibiting operation by remote control switch” (for all items) is set by the centralized controller, the operation will not be stopped even if the motion sensor control function changes to the stoppage condition.*
  - *In the case that “Stop” is selected in the motion sensor control setting and “Prohibiting operation by remote control switch” (for part of items) is set by the centralized controller, the indoor unit operation can not be restarted from the centralized controller although the operation can be stopped under the stoppage condition by the motion sensor control function.*

5.9.1 Motion sensor selection

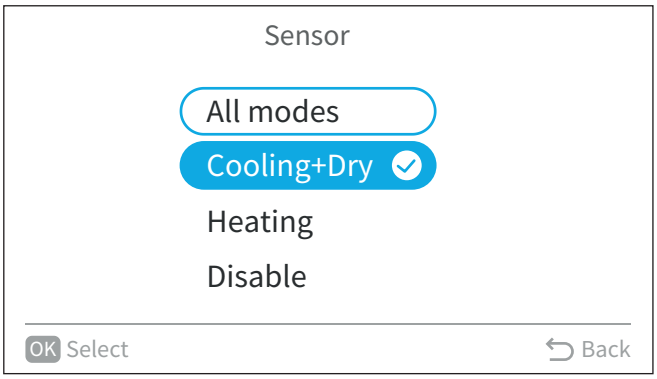
1 Select “Motion Sensor Setting” on the “Function Menu” screen and press “OK”.



2 Press “^” or “v” to select “Sensor”, and then press “OK”.



3 Press “^” or “v”, the sensor changes as follows:
“All modes” ↔ “Cooling+dry” ↔ “Heat” ↔ “Disable”.
Select the sensor and press “OK”.
Press “⮌” to return to the “Function Menu” screen.



- Disable: The operating control function by the motion sensor is not activated.
- Heating: The operating control function by the motion sensor is activated when HEAT mode is selected.
- Cooling+dry: The operating control function by the motion sensor is activated when COOL + DRY mode is selected.
- All modes: The operating control function by the motion sensor is activated when HEAT or COOL+DRY mode are selected.

5.9.2 Absent setting selection

“If absent” is set for the indoor unit operation after the motion sensor detects as absence for set time in “Check interval”. The operation can be selected from “ON”, “Standby” or “OFF” on the remote control switch.

- **ON:**

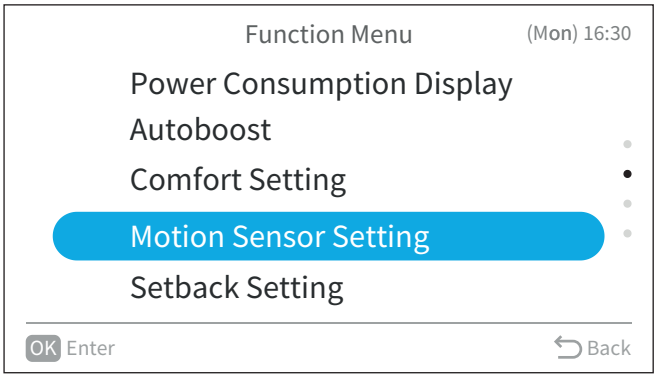
  The operation is continued with saving the capacity after detected as an absence.

  If the human activity is detected for a period of time, the normal operation will be performed again.
- **Standby:**

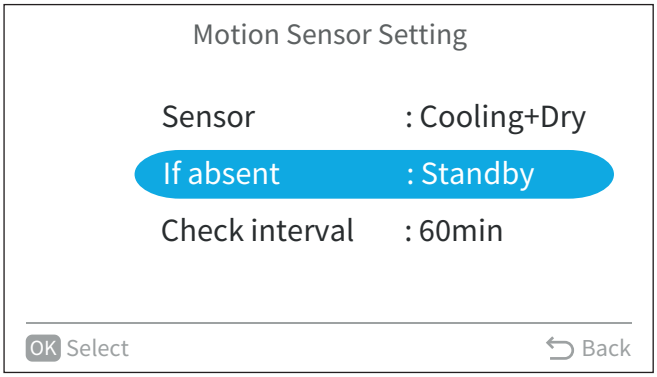
  The operation mode is the fan operation at “Slo” speed. If the human activity is detected for a period of time, the normal operation will be performed again.
- **OFF:**

  The operation is stopped by the remote control switch when all the indoor units with motion sensor detect absence which are connected with same remote control switch.
  If the human activity is detected for a period of time by the stoppage, the normal operation is performed again.

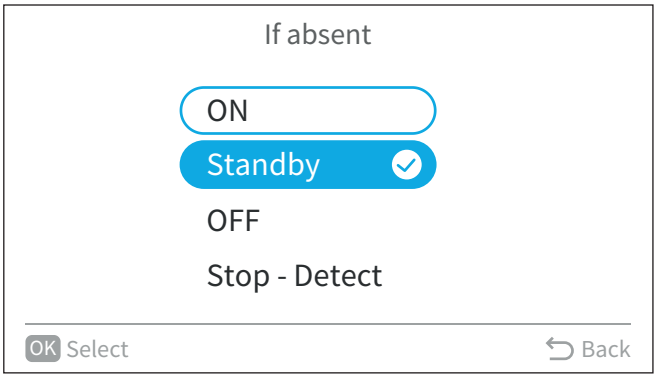
1 Select “Motion Sensor Setting” on the “Function Menu” screen and press “OK”.



2 Press “^” or “v” to select “If absent”, and then press “OK”.



3 Press "^" or "v", the operation changes as follows:
"ON" ↔ "Standby" ↔ "OFF" ↔ "Stop - Detect".
Select the operation and press "OK".
Press "↩" to return to the "Function Menu" screen.

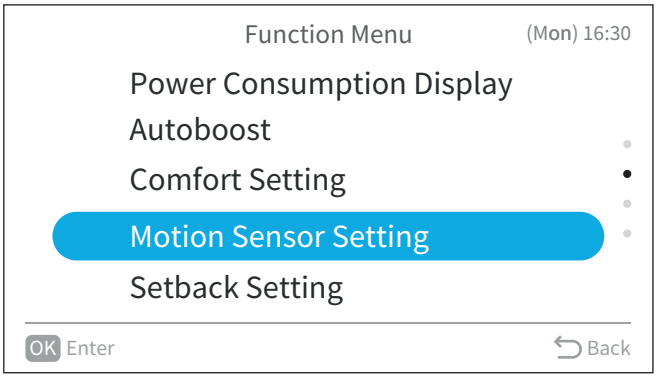


5.9.3 Check interval time setting

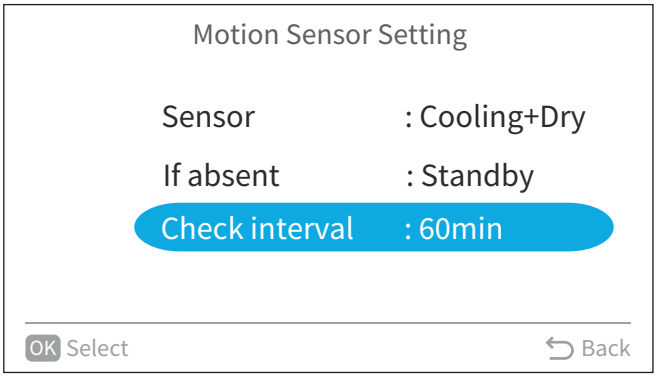
When the motion sensor detects an absence at selected check interval time, the function "If absent" will be executed. The interval can be selected from 30, 60, 90, 120 or 180 minutes.

(The default setting is 30 minutes.)

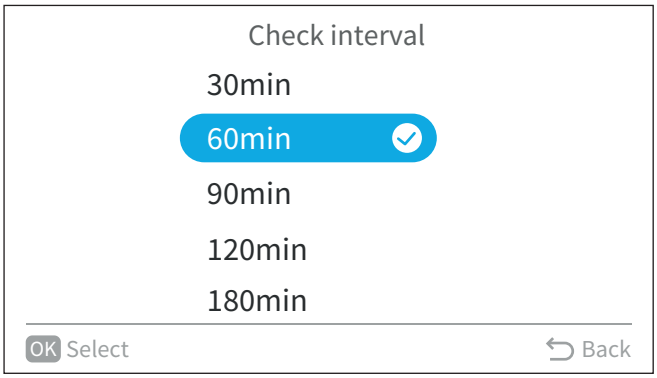
1 Select "Motion Sensor Setting" on the "Function Menu" screen and press "OK".



2 Press "^" or "v" to select "Check interval", and then press "OK".



3 Press "^" or "v", to select the interval check time and press "OK".
Press "↩" to return to the "Function Menu" screen.

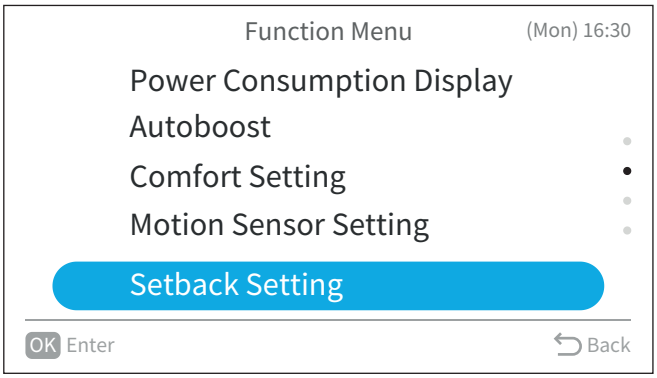


5.10 SETBACK SETTING

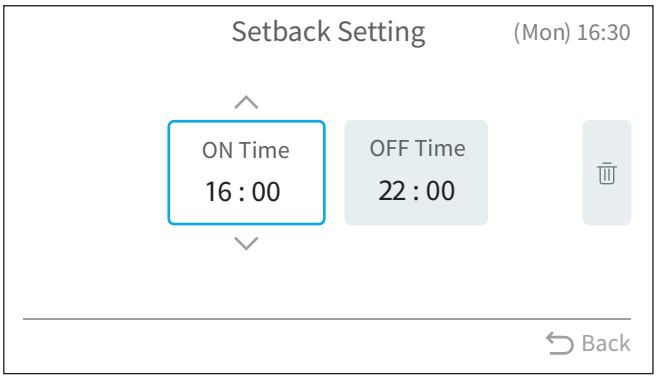
5.10.1 Setback schedule setting

This function is used to start/stop setback mode at desired time. It is available only when setback mode is set as Schedule mode. To change the setback mode, select another mode at the function selection setting. Contact your distributor for detailed information. The items cannot be set/modified if indoor unit does not support this function.

1 Select “Setback Setting” on the “Function Menu” screen and press “OK”.
If the current time is not set, the “Adjusting Date/Time” setting screen is displayed.

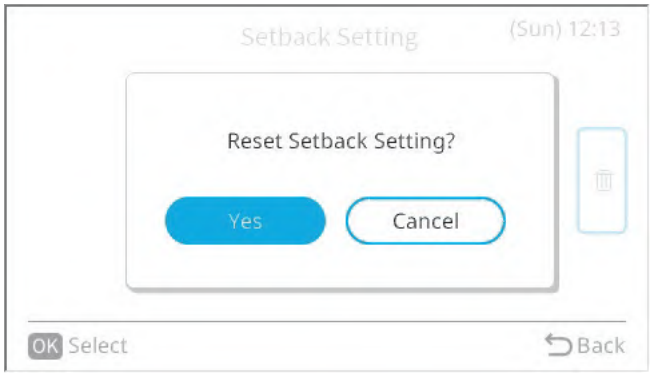


2 Press “<” or “>” to select the settings, and the selected item changes as follows:
"ON Time" ↔ "OFF Time" ↔ “🗑”.



3 Press “^” or “v” to select the setting. After setting, press “⮌” to confirm the settings and then the screen returns to the “Function Menu” screen.

- When ON Time / OFF Time is selected,
  The time changes every 30 minutes. If you press and hold “^” or “v”, the number will increase or decrease continuously.
- Do not set the same time for ON Time and OFF Time.
  It's unavailable if ON time or OFF time is not set.
- When “🗑” is selected, the confirmation screen is displayed. Select "Yes" and press "OK" to delete the settings and the screen returns to Step2.
  If select "Cancel", the screen returns to the "Setback Setting" screen.



NOTE

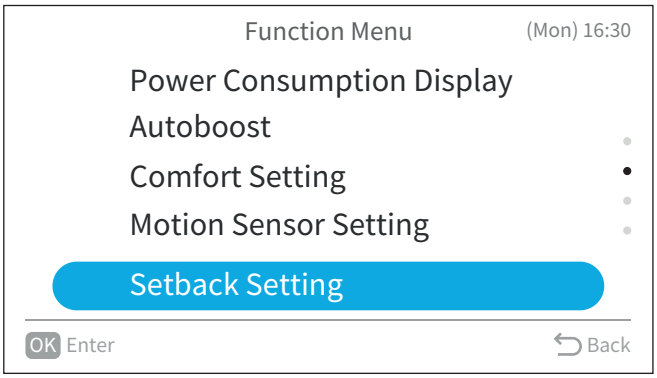
In the following instances, the schedule operation is NOT available.

- *When the operation is prohibited by the controller and is set from the central controller.*
- *If the icon “📅” is displayed, the schedule control is NOT activated because the Date/Time is not specified yet. To specify the Date/Time setting, refer to “7.1 Adjusting date / time” for details.*

5.10.2 Setback manual setting

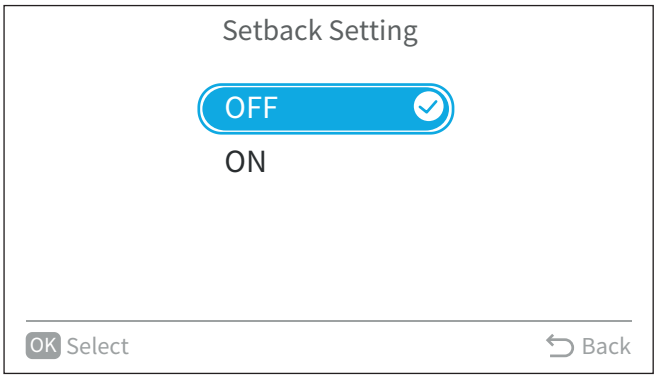
This function is used to temporarily activate Setback operation. It is available only when Setback mode is set as Manual mode; this function is normally used to set a long vacation.
The items cannot be set/modified if indoor unit does not support this function.

1 Select “Setback Setting” on the “Function Menu” screen and press “OK”.



2 Press “^” or “v” to select “ON”. Press “OK”and the screen returns to the “Function Menu” screen.

- The indicator turns on when schedule operation is ON.
- The indicator turns off when schedule operation is OFF.



NOTE

Setback operation cannot be ON/OFF while wired controller operation is prohibited.

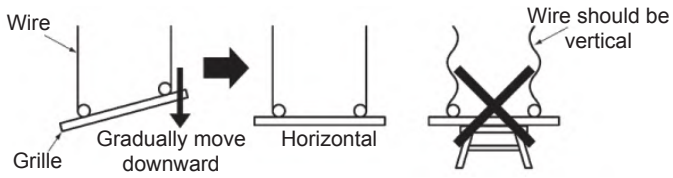
5.11 ELEVATING GRILLE

This function is used to raise and lower grille when the air filter and grille need to be cleaned.

It is available only when the elevating grille is equipped with the air panel.

NOTE

- *When the air inlet grille is set inside the air panel, ensure that the air inlet grille is horizontal and the wire is suspended tightly without loosening.*

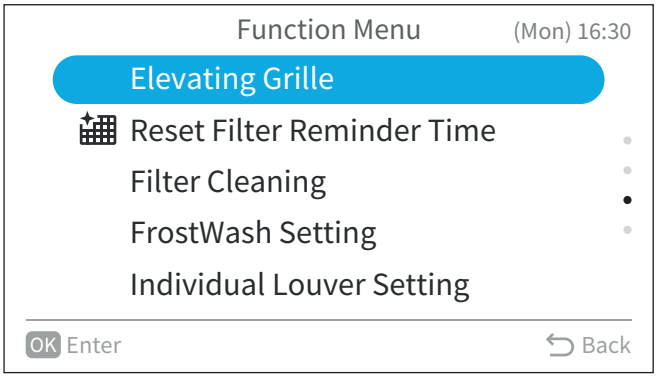


- *After the above is ensured, set the air inlet grille. If the air inlet grille is inclined and the wire is loosened, they may be caught in the pulley. It may lead to a failure of the pulley or pulley block. If the worst happens, it may cause personal injury if the air panel falls open.*
- *This function is available only for indoor unit elevating grille.*
- *Make sure that the unit operation is stopped before using the elevating grille.*
- *The elevating grille function is not available when the unit is operating.*

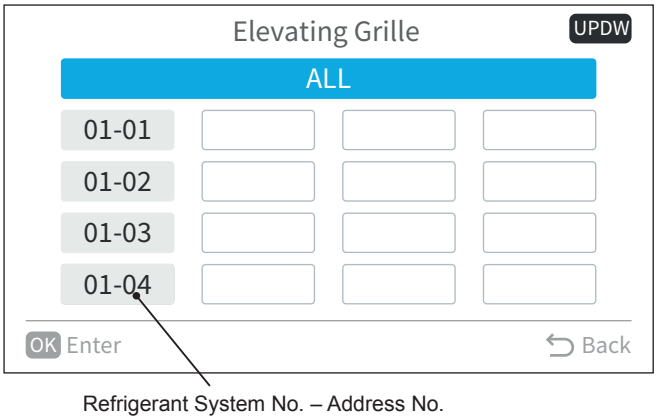
Set the elevating grille

1 Select “Elevating Grille” on the “Function Menu” screen and press “OK”.

- If there is only one indoor unit, the elevating grille operation screen in Step3 is displayed.



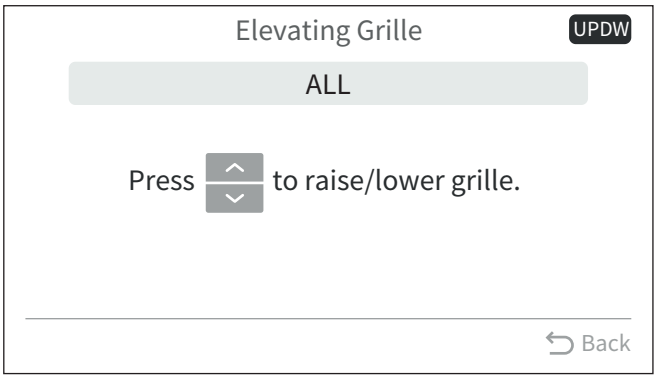
2 Press “^”, “v”, “<”, or “>” to select the indoor unit of which indoor unit grille needs to be raised or lowered. Press “OK”.



Refrigerant System No. – Address No.

3 Press "﹀" to lower the grille until it's lowered to the set distance.

- If need to lower the distance further than the set distance, press"﹀" again.
- Each press lowers the grille by 20in (50cm).
- Pressing "﹀" can stop it at any position in lowering process.



4 After cleaning the air filter, install the air filter and press "﹀ " to raise the grille. Once the grille is stored inside the unit, it will stop after approximately 3 seconds.

- If the grille is tilted when stored, press "﹀" again until the tilt is corrected.
- Pressing "﹀" can stop it at any position in the raising process.

5 Press"⮌" to return to the indoor unit selection screen.
To operate other indoor units, perform the operations of above Step2.
To end the operation, press "⮌" again to return to the "Function Menu" screen.

- If there is only one indoor unit, the screen returns to the "Function Menu" screen.

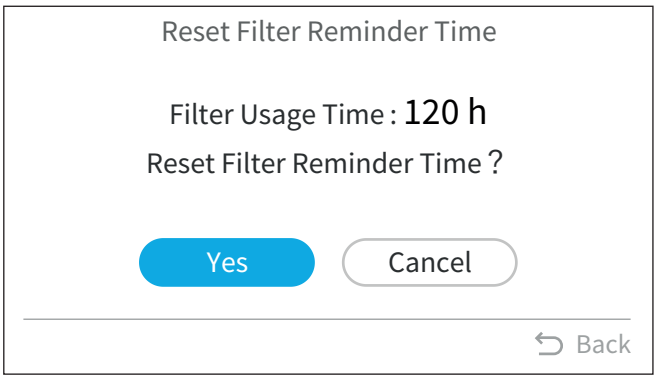
5.12 FILTER REMINDER RESET SETTING

This function is used to turn off the filter reminder indication and to reset the time of use for the filter.

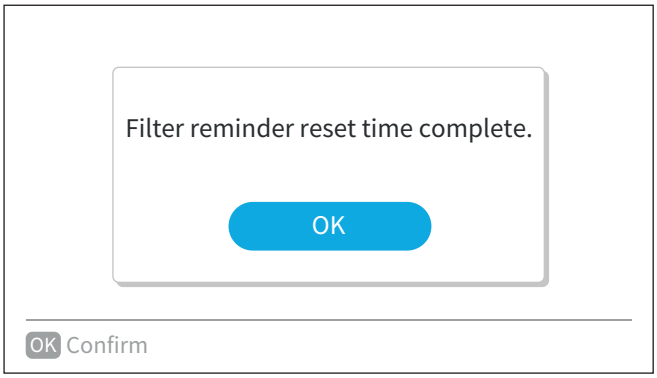
1 Select "Reset Filter Reminder Time" on the "Function Menu" screen and press "OK".

2 Press "﹤" or "﹥" to select "Yes", and then press "OK".

- The screen returns to the "Function Menu" screen depending on the type of the indoor unit.



3 Press "OK" and the screen returns to the "Function Menu" screen.



5.13 FROSTWASH

FrostWash is available when applicable outdoor units and indoor units are connected. To use this function in VRF system, outdoor unit function selection item “F1” need to be configured on outdoor units.

Please refer to the dedicated Service Manual for the FrostWash function.

Please configure function selection F1 on the outdoor units, and then set the wired remote controller.

Please also refer to the Operation Manual and Service Manual of Wired Remote Controller for details.

Please contact the distributor or service personnel for availability and configuration of this function.

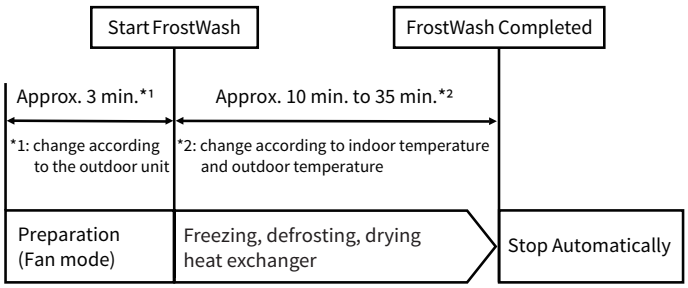
5.13.1 About FrostWash

- Regarding the noise upon freezing and defrosting
  - Cracking noise may be heard during the freezing or defrosting phase due to temperature change. Refrigerant flow noise may also be heard. The noise may be heard relatively louder in a quiet environment. It is recommended to set the “Auto-FrostWash Schedule” when the room is not occupied.
  - Choose not to use the FrostWash function in places such as hotel rooms and hospitals, where consistent quietness is expected.
- Ice fog may come out from air outlet during the FrostWash operation.
- Ice fog could happen in a humid environment such as the room humidifier is used in a small room.
- FrostWash is available when the outside temperature is in the range of (1°C - 43°C), and the indoor temperature is in the range of (15°C - 30°C).
- Also refer to technical documents of outdoor units because outdoor temperature range may vary depending on outdoor units’ type.
- The temperature around the indoor unit may drop slightly during FrostWash operation.

5.13.2 Start FrostWash

Generate frost on the coil and then melt the frost to wash the coil.

FrostWash setting is not enabled on the factory default setting. Refer to *“5.13.5 FrostWash Setting”* to enable this function.



- Press “OK” on the wired controller to cancel FrostWash in the middle of an operation.
- After a cancellation, frost on the heat exchanger needs to be defrosted and the heat exchanger needs to be dried. The system cannot start operation for at least 8 minutes after cancelation.
- You cannnot start another FrostWash immediately after a FrostWash operation completes. Run either cooling operation, heating operation or dry operation for approx. 60 minutes. Then, start another FrostWash operation.

NOTE

Do not open or remove the air inlet grill during the FrostWash operation. It may cause injury or damage of units.

5.13.3 FrostWash setting on outdoor unit

To use this function in the VRF system, function selection F1 needs to be configured on the outdoor units. FrostWash setting is disabled on the factory default setting. Set Function Selection F1 according to the following table.

"F1" Setting Condition	Auto-FrostWash		Manual FrostWash
	"Interval" Time Duration	Start-up Timing	Operation
0	Factory Setting (Default): Not available FrostWash		
1	Total Comp. Operation Hour: 500h	2 hours after system stopped	Operate outdoor unit PSW
2	Total Comp. Operation Hour: 1000h		
3	Total Comp. Operation Hour: 500h	Within the time zone scheduled by Main Wired Controller*1,2	
4	Total Comp. Operation Hour: 1000h		
5	Total Indoor Unit Fan Operation Hour: Depending on Main Wired Controller Setting	Within the time zone scheduled by Main Wired Controller*1,2	Operate from Main Wired Controller*1 or operate outdoor unit PSW

*1: Only one “Main Wired Controller” exists in the same refrigerant cycle, and all the others are “Sub Wired Controller”.

Refer to *“6.1.12 Main Remote Setting”* in this manual for the details of Main Wired Remote Controller setting.

*2: You can set the schedule for the FrostWash operation from the Main Remote Controller. Otherwise, the FrostWash operation will start soon after the system is stopped.

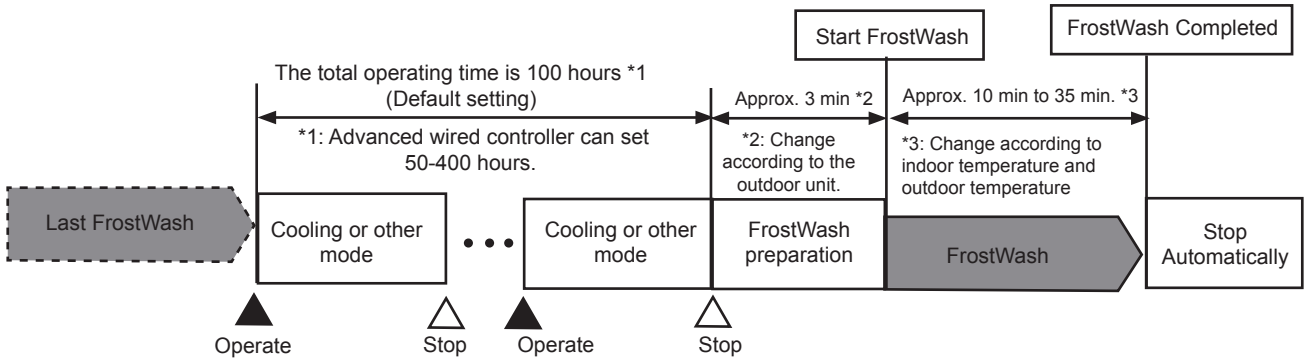
This function suppresses a clog on the heat exchanger.

First, freeze the indoor unit heat exchanger when whole system is under stoppage.Then defrost it to remove the dust with drain water. Auto-FrostWash and Manual FrostWash are selectable.

NOTE

- *This function cannot be set when the indoor unit and the outdoor unit do not support this function.*
- *Depending on the outdoor unit, the settings on the outdoor unit may be required.*
- *Cracking noise may be heard during freezing or defrosting phase due to temperature change. Refrigerant flow noise may also be heard. The noise may be heard relatively louder in a quiet environment. It is recommended to set "Auto-FrostWash Schedule" when room is not occupied.*
- *Ice fog may come out from air outlet during FrostWash operation. Ice fog could happen in a humid environment such as the room humidifier is used in a small room.*
- *This function is not available to operate where the outside temperature is lower than 1°C or higher than 43°C.*
- *This function is not available to operate where the room temperature is lower than 15°C or higher than 30°C.*
- *The level of dust removed is depend on usage environment.*
- *Limitations and settings are required when using this feature in a VRF system. For more information, please refer to the outdoor unit service manual for FrostWash function.*

5.13.4 Auto-FrostWash Flow



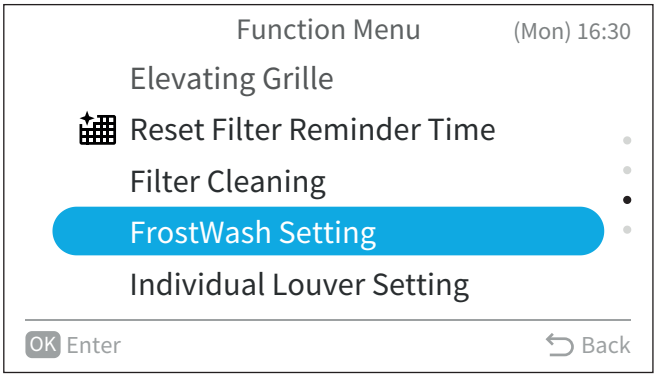
- Auto-FrostWash is disabled in default setting. To enable this function, set the Auto-FrostWash be enabled.
- If the Auto-FrostWash is stopped, the total operating time will be reset.

NOTE

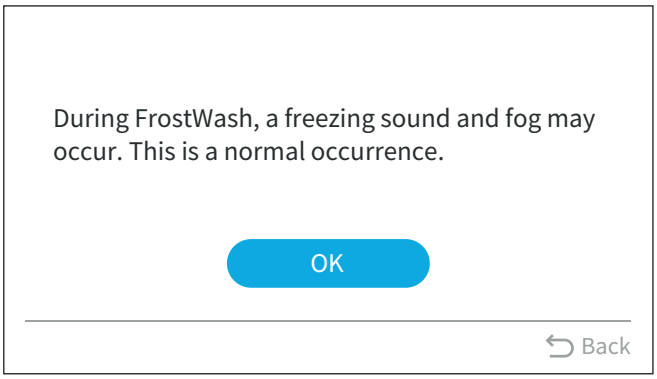
In the case of 2 remote controllers, FrostWash can be set only on the primary wired remote controller.

5.13.5 FrostWash Setting

1 Select “FrostWash Setting” in Function Menu, and press “OK”.



2 Press “OK”.



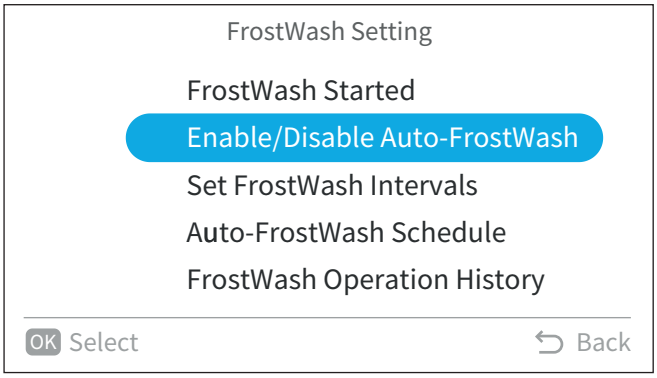
5.13.6 Auto-FrostWash

NOTE

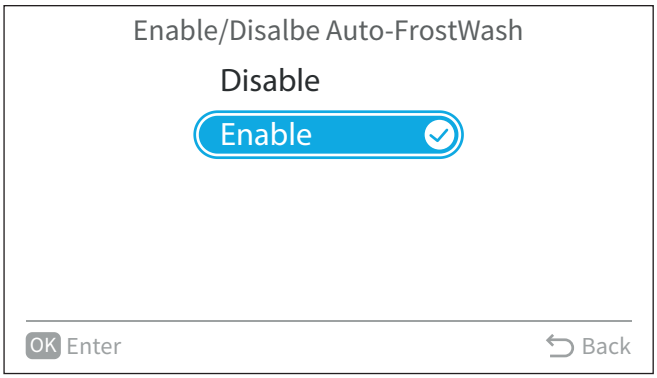
The icon disappears when performing Manual FrostWash or you enable the Auto-FrostWash.

It is a function that automatically starts FrostWash when the operation is stopped after the total time that the indoor unit has been operated.

1 Press “^” or "˅" to select "Enable/Disable Auto-FrostWash" and press "OK".

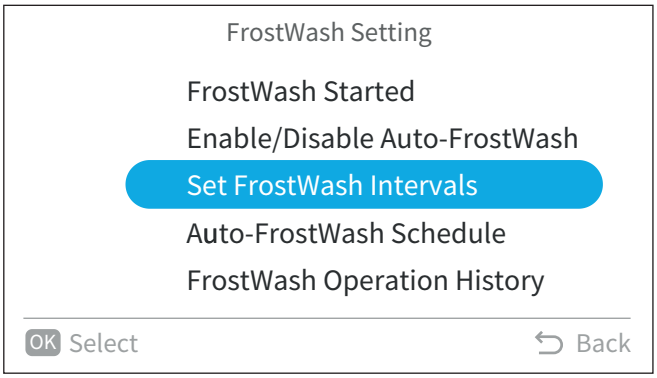


2 Press “^” or "˅" to select "ON" and press "OK". Press"⮌" to return to Step1.

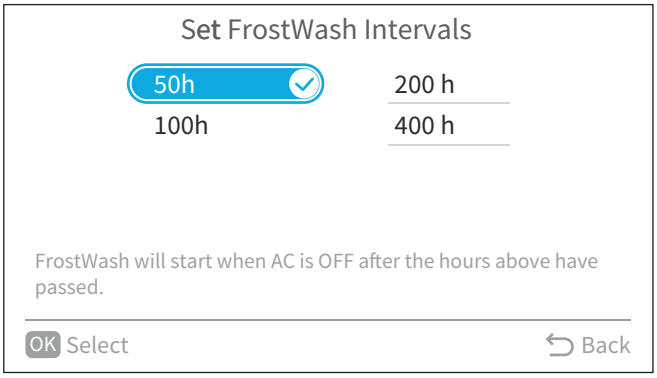


◆ FrostWash Intervals

1 Press "^" or "v" to select "Set FrostWash Intervals" and press "OK".



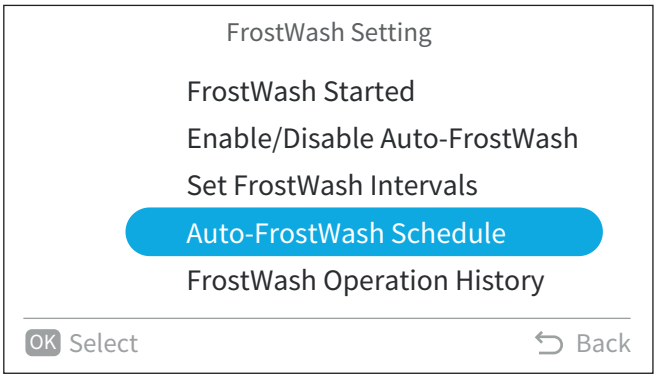
2 Press"^", "v", "<", or ">" to select interval time and press "OK".



◆ Auto-FrostWash Schedule

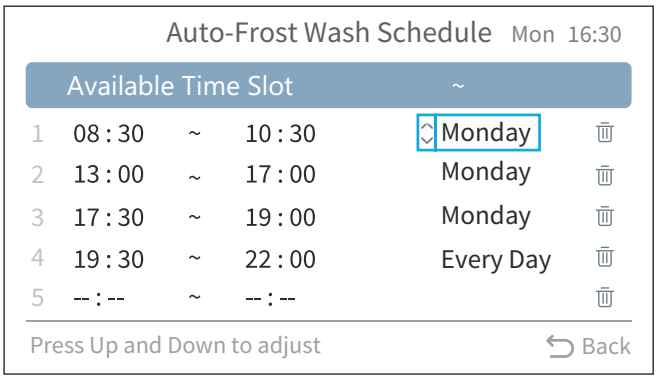
1 Press "^" or "v" to select "Auto-FrostWash Schedule" and press "OK".

- If the current time is not set, the time setting screen *"7.1 Adjusting date / time"* is automatically displayed.



2 Press "^" or "v" to select from schedule "1" to "5". Press"<" or ">" to select "Start time", "End time", "Weekday". Then press "^" or "v" to adjust.

- Press and hold the "^" or "v" to increase or decrease continuously.
- Select "🗑" and press "OK" to delete the schedule.
- Select schedule "1" to "5" and press "⮌" to confirm the Auto-FrostWash schedule.



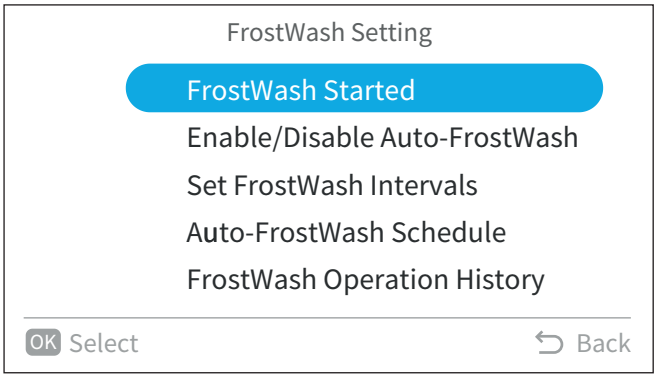
5.13.7 Manual FrostWash

NOTE

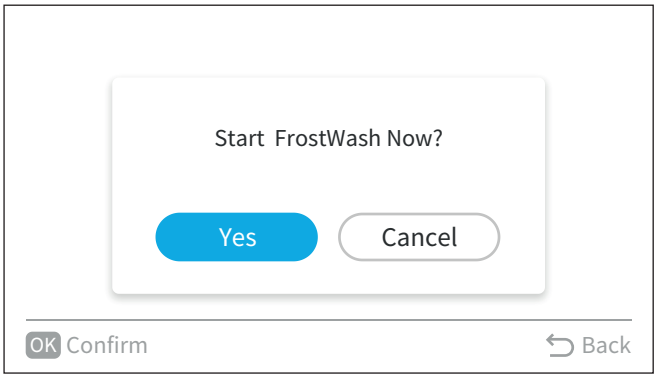
- *The icon 🖷 disappears when performing Manual FrostWash or you enable the Auto-FrostWash.*
- *Manual FrostWash may not be performed when in continuous fan mode with the icon 🖷. After operating "cooling", "heating", and "dry" mode, Manual FrostWash can be performed.*

This function is to perform FrostWash at your favorite timing, such as when you have not used Cooling or another mode for a while.

1 Press "^" or "v" to select "FrostWash Started" and press "OK".



2 Press"<", or ">" to select "Yes" and press "OK". Manual FrostWash is started.

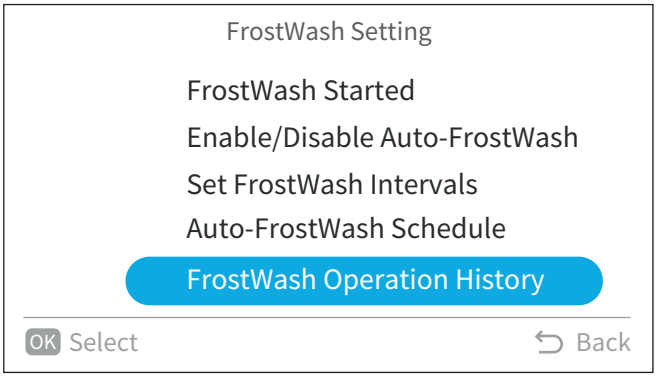


5.13.8 FrostWash Operation History

NOTE

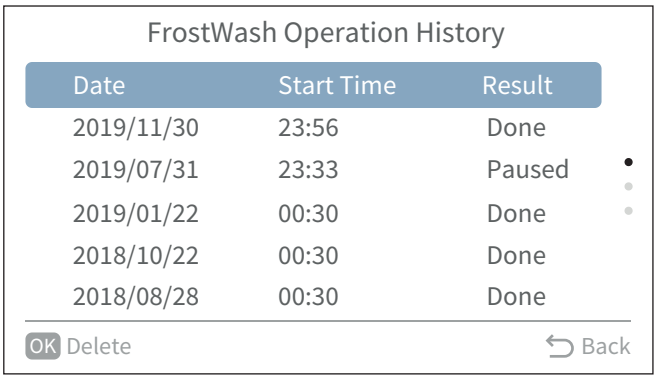
- *If the current time is not set, the date will be "- -".*
- *The start time is the time when FrostWash is being prepared.*

1 Press "^" or "v" to select "FrostWash Operation History" and press "OK".



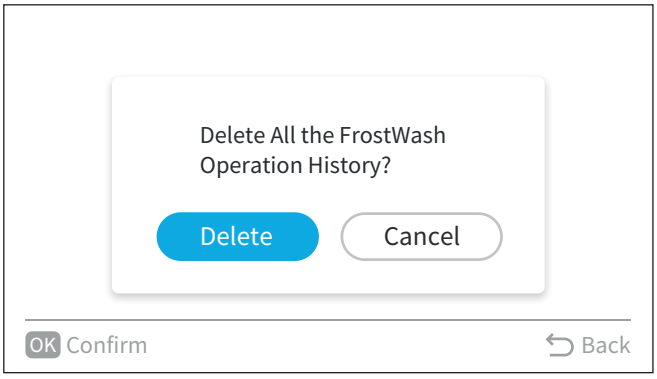
2 Press the "^" or "v" to show the FrostWash history.

- "Done" or "Paused" is displayed as the result.
- Up to 15 records can be saved.



3 To delete the FrostWash history, press "OK" to display the confirmation screen.

- Select "Delete" and press "OK" to clear the FrostWash history and return to Step2.
- Select "Cancel", the screen returns to Step2.



5.13.9 Display in FrostWash

In FrostWash, the following is usually displayed in order.

① FrostWash in prepration

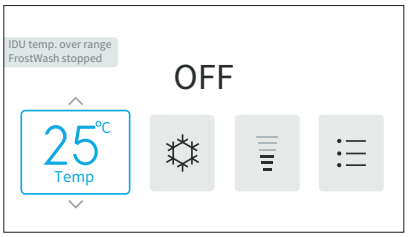
② FrostWash in progess

③ Complete FrostWash

The display of compeleted FrostWash will disappear when one of the remote controllers is operated after the backlight is turned on.

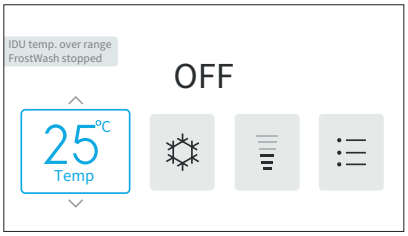
If the indoor or outdoor temperature does not meet the conditions for FrostWash, the following is displayed.

①- 1 When the indoor unit is out of the temperature range



If the room temperature is outside the range of 15°C to 30°C, FrostWash will not be performed and paused is displayed. The display will disapper when one of the remote controllers is operated after the backlight is turned on.

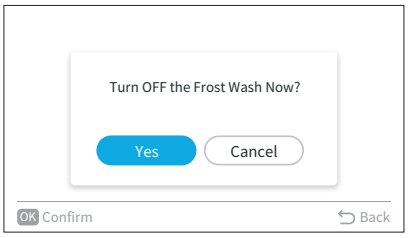
①- 2 When the outdoor unit is out of the temperature range



If the room temperature is outside the range of 1°C to 43°C, FrostWash will not be performed and paused is displayed. The display will disappear when one of the remote controllers is operated after the backlight is turned on.

If FrostWash is paused, the following is displayed.

①②- 1 Press "OK" (Turn off the FrostWash)



①②- 2 FrostWash off screen

The above display will continue for about 8 minutes. Please note that no operation can be done at that time.

NOTE

- *In each screen display, the backlight turns off after a certain period of time (The default setting is 15 seconds.) after operation, so it may be difficult to see the screen display.*
- *If the display is difficult to see, press any switch to turn on the backlight. At that time, if you press the "OK", the screen will change to the ①②*
  - 1 FrostWash pause screen.

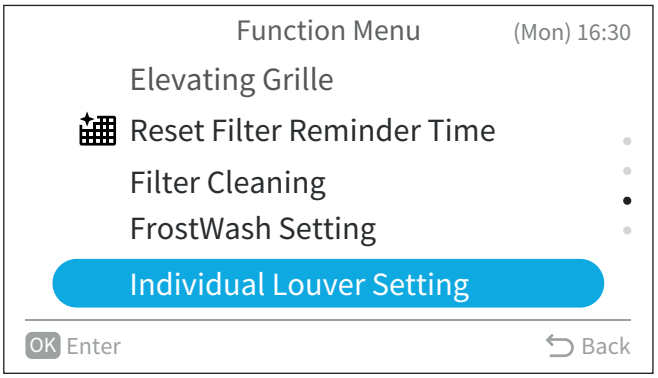
5.14 INDIVIDUAL LOUVER SETTING

This function is to individually set the air direction of multiple air outlets.

NOTE

- *This function is available when the indoor unit supports individual louvers.*
- *It cannot be set while the air conditioner is stopped.*
- *The fan speed changes to "LOW" while this function is being set. (After the setting is completed, the unit operation is back to normal.)*
- *As for "Start-up of Heating Operation", "During Defrost Operation" and "Activation of Thermo-Controller", all the louver angles are automatically secured horizontally when this function is activated.*
- *This function is not available if two remote controllers (including a combination of wired controller + wireless controller) are used.*

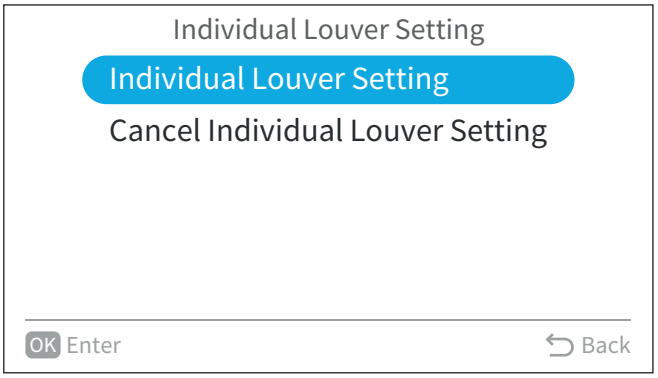
1 Select “Individual Louver Setting” on the “Function Menu” and press “OK”.



2 Select “Individual Louver Setting” and press “OK”.

NOTE

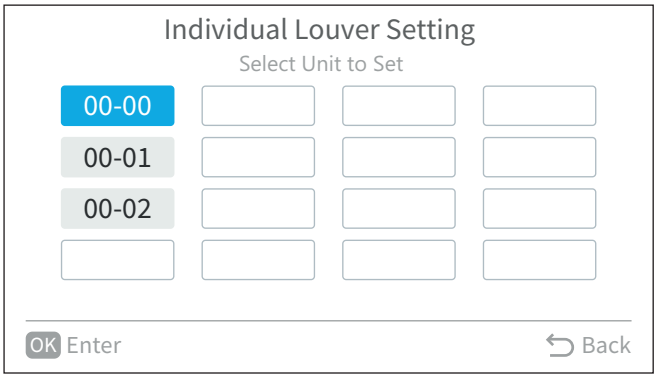
If there is one indoor unit connected with the controller, Step4 is displayed.



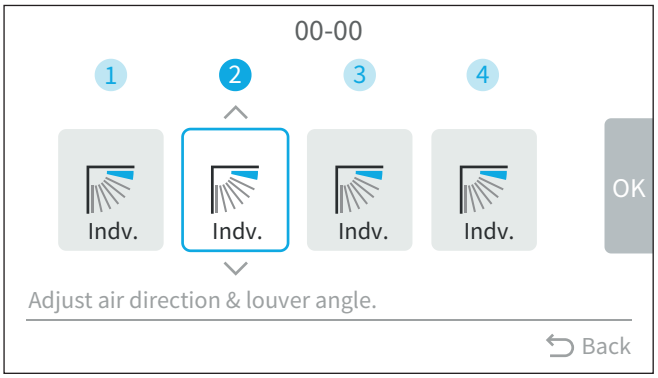
3 Press”^”, “v”, “<”, or “>” to select the indoor unit to change the louver direction, and press “OK”.

NOTE

The indoor unit displayed on the screen flashes if an individual louver is set.



4 Press “<” or “>” and select the louver from 1 to 4.
The selected louver is opened while the unselected louvers are closed.

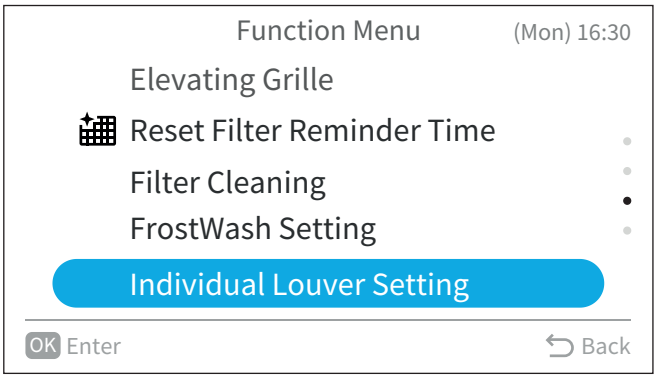


5 Press”^” or “v” to select the louver angle and press "OK".
Return to Step3.
The louver angle is changed as follows.

6 Ensure that individual "Indv." is turned on at the Louver on the home screen.

5.15 CANCEL INDIVIDUAL LOUVER SETTING

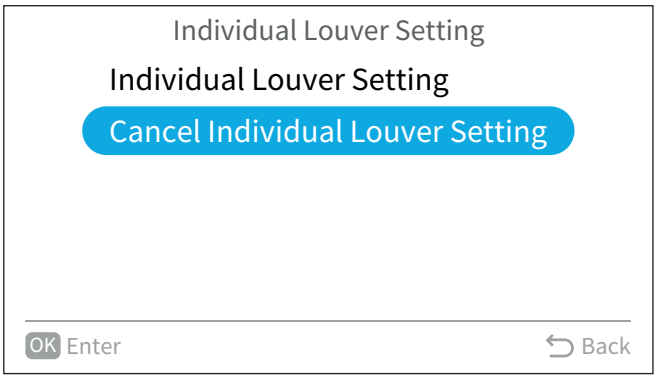
1 Select “Individual Louver Setting” on the “Function Menu” and press “OK”.



2 Select “Cancel Individual Louver Setting” and press “OK”.

NOTE

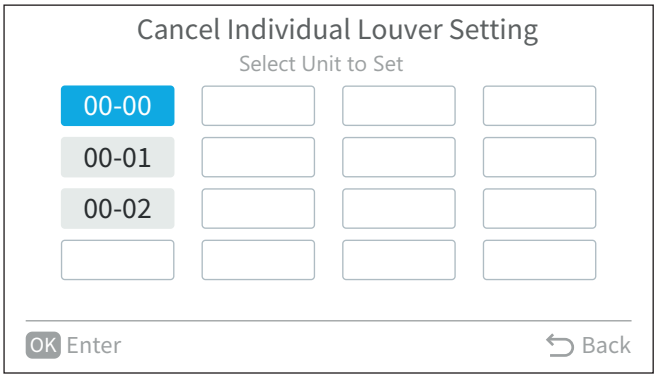
If there is one indoor unit connected with the controller, Step4 is displayed.



3 Press”^”, “v”, “<”, or “>” to select the indoor unit to cancel the louver direction, and press “OK”.

NOTE

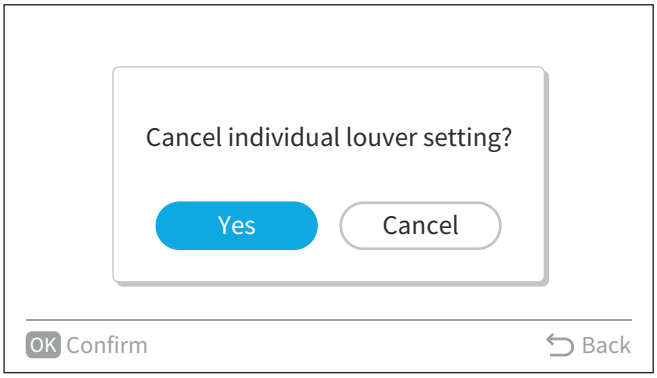
The indoor unit displayed on the screen flashes if an individual louver is set.



4 Press “<” or “>” to select “Yes” and press “OK”. Cancel the individual louver setting and return to Step3.

NOTE

All the individual louver settings are canceled.



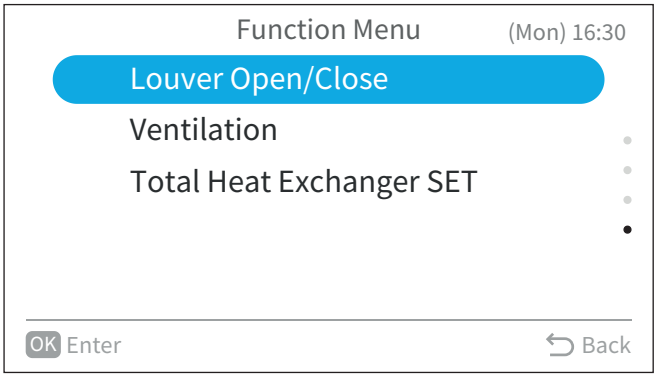
5.16 LOUVER OPEN/CLOSE

This function is used to fully open louver for adjusting the horizontal (left or right) direction of the air flow.

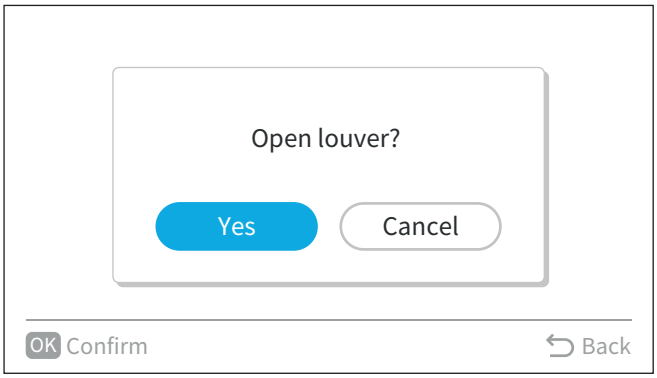
NOTE

- *This function cannot be set when the air conditioner is ON.*
- *This function is invalid depending on the indoor unit type. Refer to the user manual of indoor unit for details.*

1 Select “Louver Open/Close” on the “Function Menu” and press “OK”.



2 Press “<” or “>” to select "Yes" and press "OK" to open/close air outlet of indoor units.



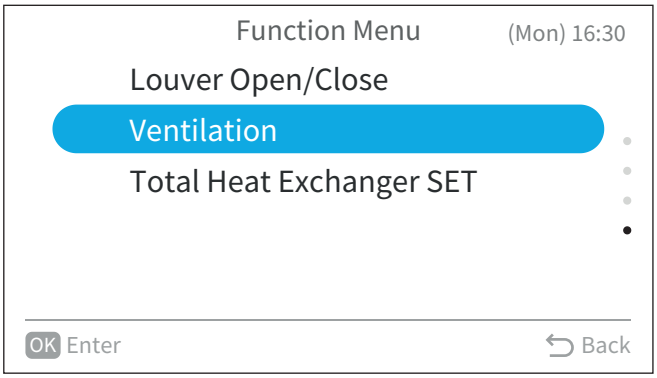
5.17 VENTILATION

Operation Mode	Action
A/C	Operate the air conditioner individually.
Ventilation	Operate the total heat exchanger individually.
A/C + Ventilation	Operate the air conditioner and the total heat exchanger together.

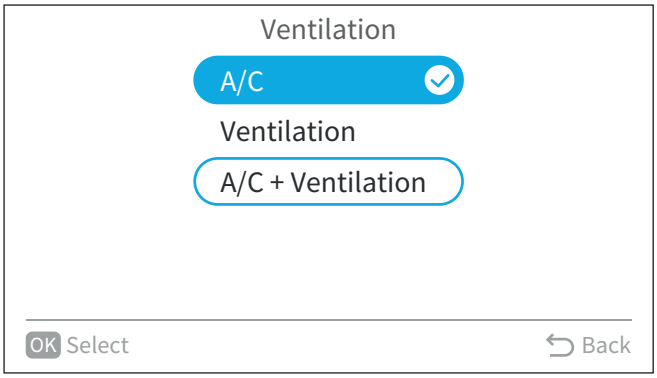
NOTE

This function is available only when the total heat exchanger is connected.

1 Select “Ventilation" on the “Function Menu” and press “OK”.



2 Press “^" or "v" to select the operation mode and press “OK” to confirm. The item changes as follows: “A/C” ↔ “Ventilation” ↔ “A/C + Ventilation”.
Press"⮌" to return to Function Menu.



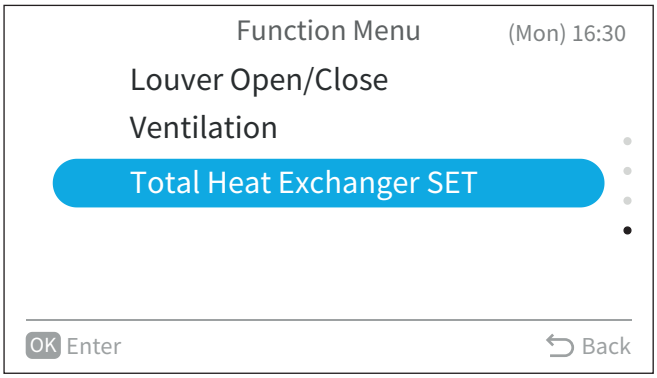
5.18 TOTAL HEAT EXCHANGER SETTING

This function is used to change the ventilation (venti.) mode of the total heat exchanger.

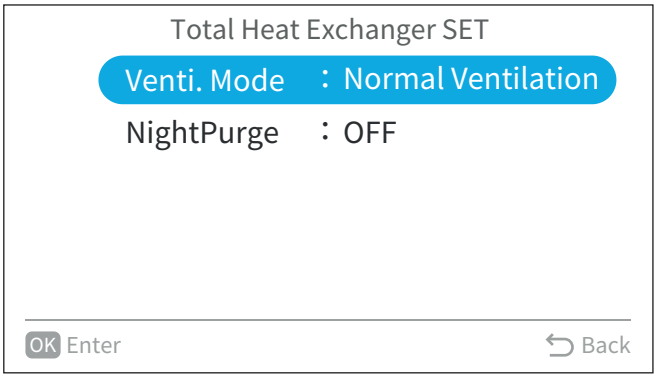
NOTE

- *This function is available only when the total heat exchanger is connected.*
- *This function cannot be set when the air conditioner is ON.*

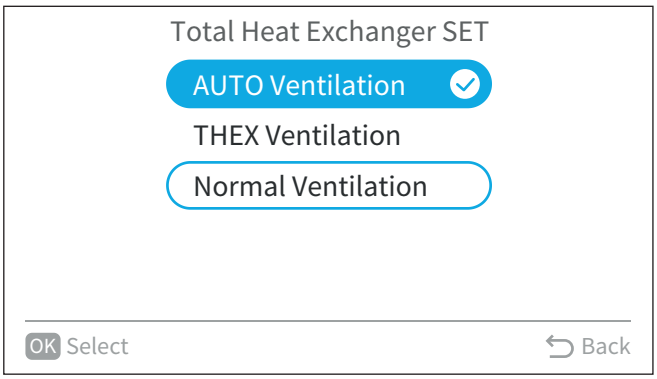
1 Select “Total Heat Exchanger SET” on the “Function Menu” and press “OK”.



2 Press “^” or "v" to select "Venti. Mode" and press "OK".



3 Press “^” or "v" to select the operation mode and press “OK” to confirm. The item changes as follows: “AUTO Ventilation” ↔ “THEX Ventilation” ↔ “Normal Ventilation”.
Press”⮌” to return to Step2.



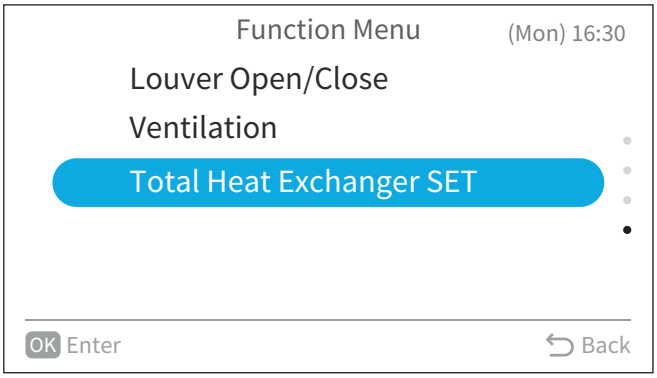
5.18.1 Night Purge

When there is a temperature difference between indoor and outdoor, this function can reduce the cooling load on next morning by automatically exhausting the hot air inside the room at night.

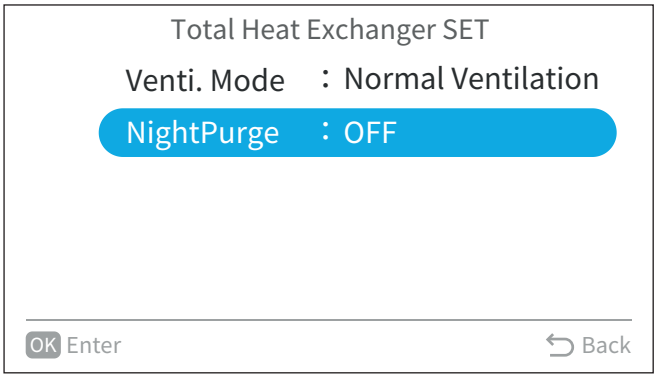
NOTE

This function is available when EconoFresh is connected.

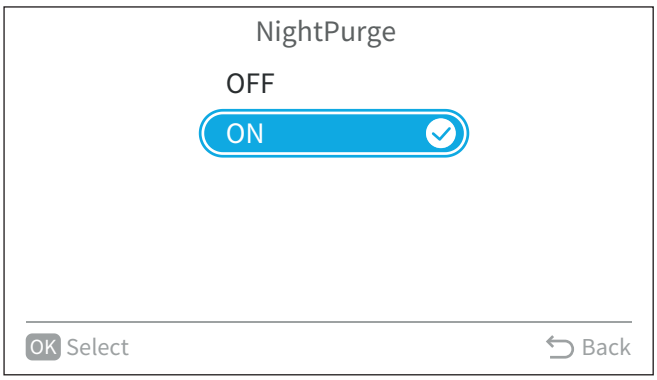
1 Select “Total Heat Exchanger SET” on the “Function Menu” screen and press “OK”.



2 Press “^” or "v" to select "Night Purge" and press "OK".



3 Press “^” or "v" to select "ON" and press “OK”.
Press”⮌” to return to Step2.

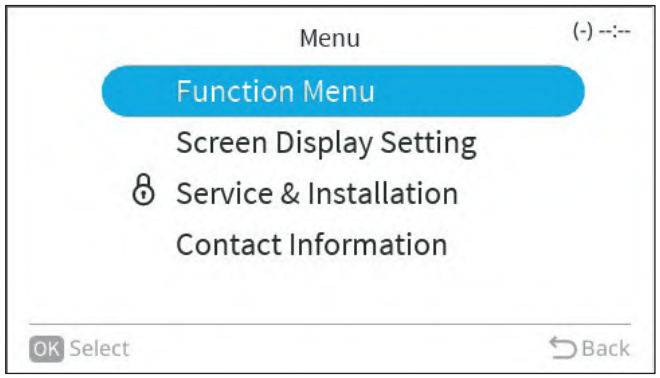


6 SERVICE & INSTALLATION MENU

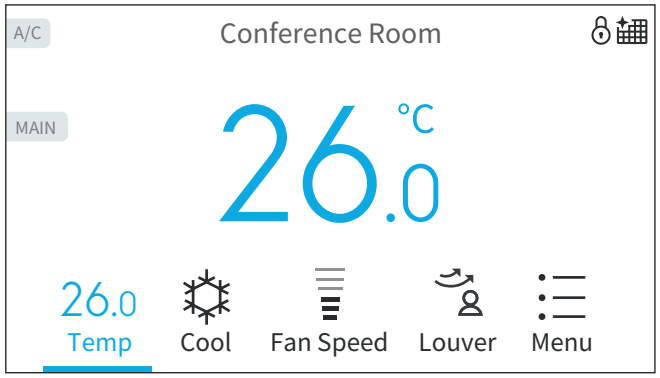
1 Turn ON the power supply for all the indoor units.

For models equipped with an auto-address function, wait approximately 3 minutes.
This function is being automatically performed. (There is a built-in 5 minute requirement according to the setting condition.)

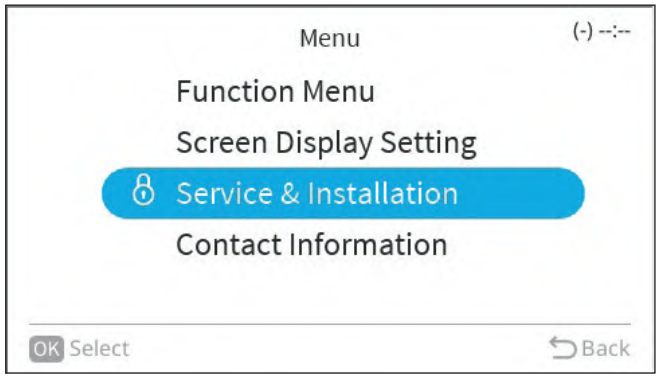
2 While the air conditioner is OFF, press "›" to select "Menu" and press "OK".



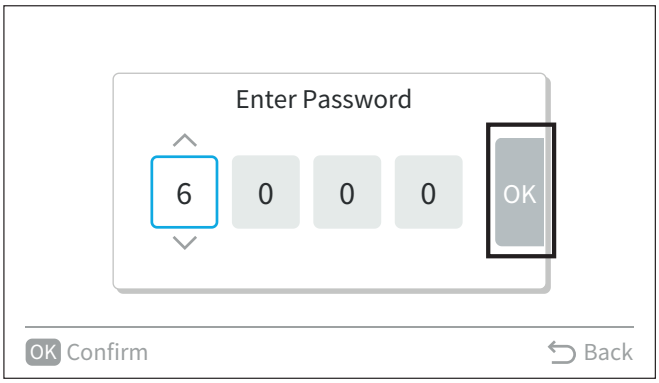
3 While the air conditioner is ON, press "›" to select "Menu" and display the Menu screen.



4 Select "Service & Installation" and press "OK".

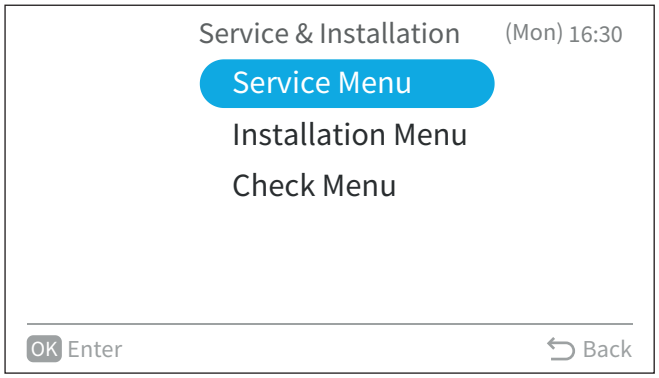


5 Input password by pressing "^", "v", "<", or ">", select "OK". Then press "OK".
Password is required to prevent unintentional operations.
The default user password is "0000".



Service & Installation Menu screen is displayed.

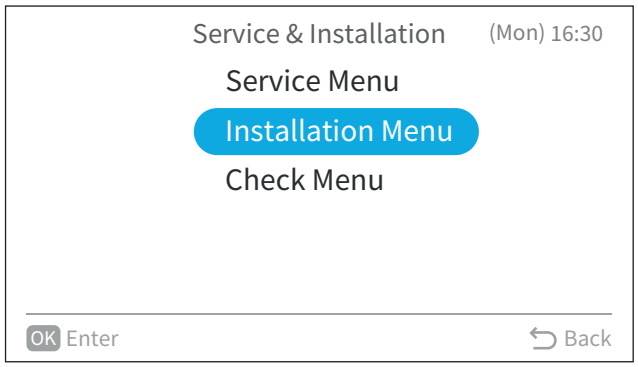
6 If Password Input Effective Time is set, the password is canceled and inputting password is not needed during the set period. See *"6.2.2 Password Setting"* for password settings.



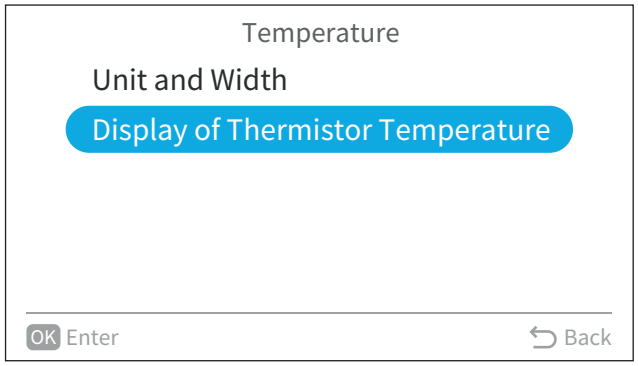
6.1 INSTALLATION MENU

6.1.1 Test Run

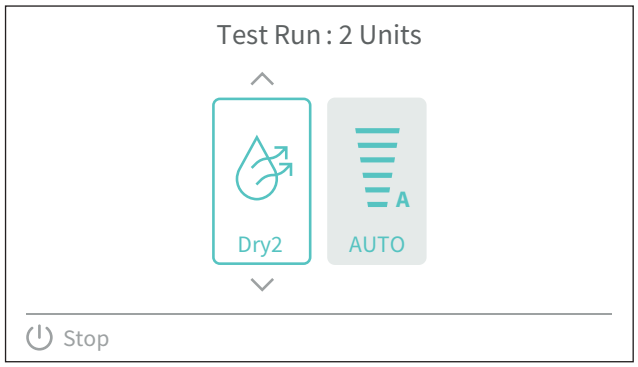
1 Select “Installation Menu” and press “OK”.



2 Select “Test Run” and press “OK”.



3 The total number of the indoor units connected is indicated on the screen.



(“2 units” is indicated for a twin combination, “3 units” for a triple, and “4 units” for a quad.)

4 If a number other than a correct number is displayed, the auto-address function does not work properly due to improper wiring or electrical interference and so forth.

Turn OFF the power supply, check the following items and perform the correct connection. (Do not repeat turning ON and OFF within 10 seconds.)

- The power supply to the indoor unit was not turned ON or there is an incorrect wiring issue.
- There was an incorrect connection issue regarding interconnecting cables between indoor units or of the controller cable.
- There was an incorrect setting of the rotary switch and DIP switches (the settings were overlapped), on the printed circuit board (PCB) for the indoor unit.

NOTE

- *When “00” is displayed, the auto-address function may be activated.*
- *Cancel “Test Run” mode and set it again.*

  a Press “⏻” (On/Off) again to activate Test Run.

  b Press “^”, “v”, “<”, or “>” and set each item.

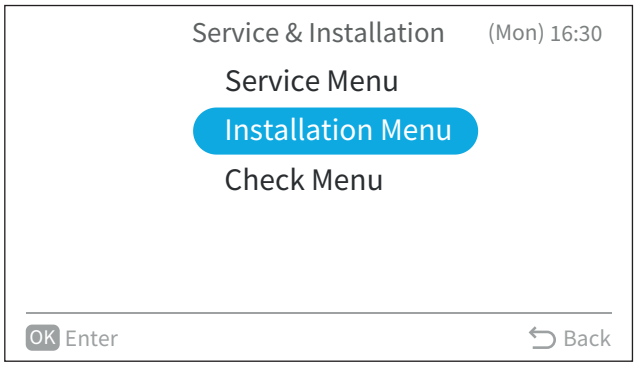
5 Cancel “Test Run” Mode

- When the unit is not in operation, press “⮌”.
- When the unit is in operation, press “⏻” (On/Off).

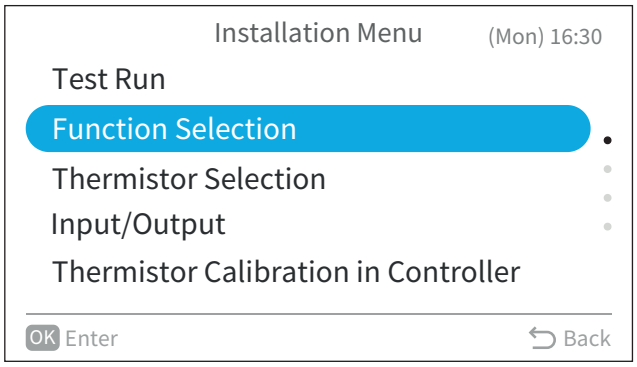
6.1.2 Function selection

Function Selection is set from Installation Menu.

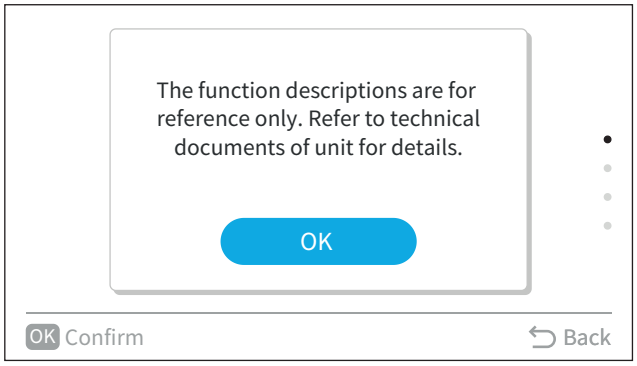
1 Select “Installation Menu” and press “OK" .



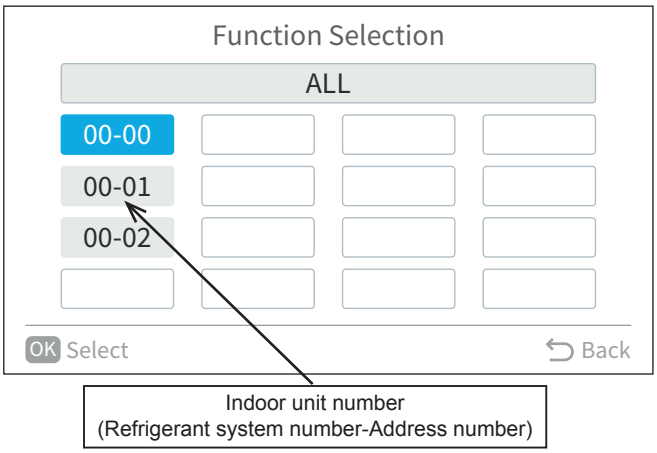
2 Select “Function Selection“ and press “OK”.



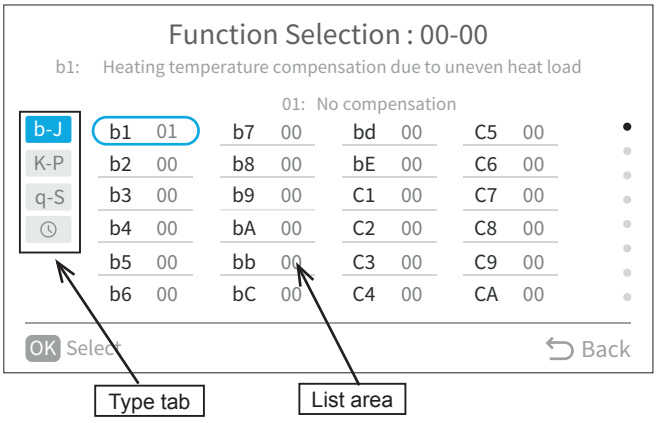
3 Press “OK”.



4 Press “^”, “v”, “<”, or “>” to select the indoor unit to be set and press “OK”.
This screen is not displayed when only one indoor unit is connected to the wired remote controller. (The screen in Step 5 is shown.)



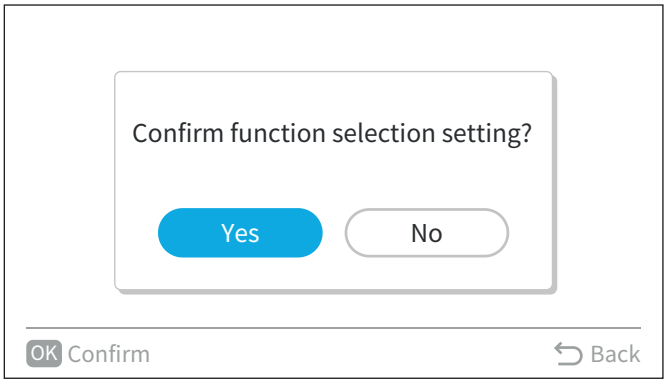
5 Press “^” or “v” to select the type tab and press “OK”.
→It changes in the order of “b-J” ↔ “K-P” ↔ “q-S” ↔ “🕒”.



6 Press “^”, “v”, “<”, or “>” to select the item to set from the list area. Press “OK” and press “<” or “>” to change the setting value.
After selecting the setting value, press “⮌” to return to the setting item selection mode.
To return to Step 5, press “⮌” in the setting item selection mode.

7 To confirm the setting, press “⮌” in the tab selection mode.

8 Select “Yes” and press”OK” to confirm the setting and return to Step 2.
Select “No” and press”OK” to discard the settings and return to Step 2.
Press “⮌”to return to Step 5.



◆ Table A. Optional Setting Items for Function Selection

Element	Optional function	Individual setting	Settings	Setting conditions	Description
b1	Heating temperature compensation Models: All indoor units except RPF(I)-FSN2E	O	00	Normal (factory setting) (Setting Temperature + 4ºC)	This function is used to adjust the temperature difference between the temperature read by the inlet sensor and the real room temperature. This is useful when the inlet air thermistor is not placed inside the indoor unit or due to uneven heat load. Note: • *The "02", "03", "04" settings may not be available depending on the type of indoor unit.* • *This setting shall be performed separately for each indoor unit, even in case that multiple indoor units are connected to one remote controller.*
			01	No compensation (Setting Temperature)	
			02	Setting Temperature + 2ºC	
			03	Setting Temperature + 3ºC	
			04	Setting Temperature + 1ºC	
	Heating temperature compensation Models: RPF(I)-FSN2E	O	00	RPF(I)-FSN2E: Normal (factory setting) (Setting Temperature + 2ºC)	
			01	No compensation (Setting Temperature)	
			02	Setting Temperature + 2ºC	
b2	Circulation function at heating Thermo-OFF	O	00	Function disabled (factory setting)	This function keeps the fan running during the Thermo-OFF sequence, at the fan speed set on the remote control switch, to prevent the stratification of air in the room.
			01	Function enabled	
b3	Not used	–	00	-	Use at 00 conditions
			01		
b4	Change of filter cleaning period	O	00	Standard (1200 hours)	This function is used to modify the period of operation after which the air filter cleaning indication is shown in the remote control. For RPK-FSR(H)M models, the factory setting is b4=00: Standard setting 200 hours.
			01	100 hours	
			02	1200 hours (factory setting)	
			03	2500 hours	
			04	No indication	
b5	Locking of operation mode (Not available for models KPI-E4)	X	00	Function disabled (factory setting)	This function prevents the modification of the operation mode of the unit from the remote controller and from central controls, once it has been selected.
			01	Function enabled	
b6	Locking of temperature setting	X	00	Function disabled (factory setting)	This function prevents the modification of the setting temperature of the unit from the remote controller and from central controls, once it has been selected.
			01	Function enabled	
b7	Setting operation mode as cooling only (Not available for models KPI-E4)	X	00	Function disabled (factory setting)	This function is used to limit the operation mode to cooling only and to prevent heating mode from being enabled.
			01	Function enabled	
b8	Automatic COOL/HEAT operation (Not available for models KPI-E4)	X	00	Function disabled (factory setting)	This function enables the selection of Auto cool/heat operation mode. If the function is not activated, Auto cool/heat mode cannot be selected on the remote control switch.
			01	Function enabled	

Element	Optional function	Individual setting	Settings	Setting conditions	Description
b9	Locking of fan speed setting (Not available for models KPI-E4)	X	00	Function disabled (factory setting)	This function prevents the modification of the fan speed of the unit from the remote controller and from central controls, once it has been selected.
			01	Function enabled	
bA	Not available	X	"- -" permanent	Not available	–
bb	Cooling setting temperature correction	O	00	No compensation (factory setting)	This function decreases the setting temperature and is used to produce longer cooling periods.
			01	Setting temperature decreased by 1ºC	
			02	Setting temperature decreased by 2ºC	
bC	Not used	–	00	-	Use at 00 conditions
			01		
bd	Not used	–	00	-	Use at 00 conditions
			01		
bE	Not used	–	00	-	Use at 00 conditions
			01		
C1	Not used	–	00	-	Use at 00 conditions
			01		
C2	Not available	–	"- -" permanent	-	–
C3	Not used	–	00	-	Use at 00 conditions
			01		
	Only for DX-Interface, KPI-E4E and KPI-X4E: Fan stoppage delay		00	Function disabled (factory setting)	This function keeps the fan in operation for 60 minutes after stop of the KPI unit or DX- Interface.
			01	60 minutes	
C4	Not used	–	00	-	Use at 00 conditions
			01		
C5	Static pressure selection Models RPI(L/H)-FSRE RPI-FSN3(P)E(-f)	O	00	Standard static pressure (factory setting)	This function is used to change the static pressure of the RPI units from the remote control.
			01	High static pressure	
			02	Low static pressure	
	Increase of fan speed during normal operation (not during heating Thermo-OFF) Models RCI-FSR RCIM-FSRE RCD-FSR RPC-FSR RPK-FSR(H)M RPF(I)-FSN2E	O	00	Standard (factory setting)	This function is used to change the fan speed of indoor units installed in high ceilings.
			01	Hi Speed 1	
			02	Hi Speed 2	

	Fan speed setting on the remote controller			
C5	High H	High	Medium	Low
0	Hi2	Hi	Me	Lo
1	Hi2	Hi1	Hi	Me
2	Hi2	Hi2	Hi1	Hi

(This function C5 is not available for DX-Interface models)

C6	Increase of fan speed at heating Thermo-OFF (Not available for models KPI-E4 and KPI-X4E)	O	00	Function disabled (factory setting)	This function is used to increase the fan speed when the thermostat reaches the set temperature in heating according to the setting of function C5.
			01	Function enabled	

Element	Optional function	Individual setting	Settings	Setting conditions	Description
C7	Cancellation of forced compressor operation for at least 3 minutes	O	00	Function disabled (factory setting)	This function is available depending on the setting of function b3.
			01	Function enabled (Compressor operation during 3 minutes is no longer forced)	
	Only for KPI-E4E and KPI-X4E CO_2 sensor enabled		00	Sensor non enabled (factory setting)	Via 7-segments display set the option Ct (00: ON/OFF Sensor (Default); 01: 4-20mA 02: 0-10V)
			01	Sensor enabled/activated	
C8 (1)	Control by the temperature sensor of the remote control switch.(2) **NOTE** *The remote control switch shall be installed in a proper place for the correct detection of room temperature by its temperature sensor.*	O	00	Control by the air inlet sensor of indoor units (factory setting)	This function specifies the temperature sensor to be used as control sensor by the indoor unit.
			01	Control by the temperature sensor of the remote control switch	
			02	Control by the average value of the air inlet sensor of indoor units and the temperature sensor of the remote control switch (Air inlet + Remote control switch)/2	
	Control sensor when a remote sensor is connected to the THM4 connector in the indoor unit PCB.(3) **NOTE** *The remote sensor shall be installed in a proper place for the correct detection of room temperature.* Model RPF(I)-FSN2E	O	00, 01, 02	When a remote sensor is connected to THM4, this remote sensor is used as control sensor, whichever the setting for C8 (factory setting C8=00)	
	Control sensor when a remote sensor is connected to the THM4 connector in the indoor unit PCB.(3) **NOTE** *The remote sensor shall be installed in a proper place for the correct detection of room temperature.* All indoor units except RPF(I)-FSN2E		00, 02	Air temperature control using the average value of the air inlet thermistor and the remote sensor (factory setting C8=00) (Air inlet + Remote sensor)/2	
			01	Air temperature control using the remote sensor	
C9	Not available	–	"- -" permanent	–	–
CA	Not available	–	"- -" permanent	–	–
Cb	Selection of forced stoppage logic	X	00	Forced stoppage input: A contact, normally open contact (factory setting)	This function determines the logic operation for the forced stoppage contacts.
			01	Forced stoppage input: B contact, normally closed contact	

Element	Optional function	Individual setting	Settings	Setting conditions	Description
CC	Not used	–	00	-	Use at 00 conditions
			01		
	Only for DX-Interface, KPI-E4E and KPI-X4E: High ventilation speed		00	Function disabled (factory setting)	This function sets the unit to run in high fan speed regardless the setting from remote control switch.
			01	Function enabled	
Cd	Stop of indoor unit fan during cooling Thermo-OFF conditions **NOTE** *For model RPI(L/H)-FSRE and RCD-FSR, this function is NOT available.*	O	00	Fan speed during cooling Thermo-OFF: Low (factory setting)	The operation of the indoor unit fan is stopped in cooling Thermo-OFF conditions when using the additional remote temperature sensor THM-R2AE (connected to THM4) or the PC-ARFG-E temperature sensor. C8 must be set to 01 to use the Cd=01 setting.
			01	Indoor unit fan is stopped during cooling Thermo-OFF	
CE	Stop of indoor unit fan during heating Thermo-OFF conditions Stop of indoor unit fan during heating Thermo-OFF conditions (with remote control switch temperature sensor)	O	00	Fan speed setting during heating Thermo-OFF: Low (factory setting)	The indoor unit uses the PC-ARFG-E temperature sensor to monitor the room temperature when the fan is stopped (heating Thermo-OFF fan stop sequence). C8 must be set to 01 to use the CE=01 setting. Control by remote temperature sensor connected to THM4 is not permitted (use E8 function in that case).
			01	Indoor unit fan is stopped during heating Thermo-OFF (4) *(In case that automatic louver is set, the louvers will keep operating in both Thermo-ON and Thermo-OFF conditions)*	
CF	Modification of louver swing angle Models: RCI-FSR RCIM-FSRE RCD-FSR RPC-FSR	O	00	Standard (7 steps) (factory setting)	This function adjusts the angle of the air outlet louver. *(Changes to the setting of this function are applied after turning the power supply off and on again, or after the automatic louver has made a full cycle in automatic mode).*
			01	Cold draft prevention (5 steps)(5) *(Cannot be set to the lower two steps; lower 2 steps cut off)*	
			02	High ceilings (5 steps) (5) *(Cannot be set the upper two steps; upper 2 steps cut off)*	
	Models: RPK-FSR(H)M		00	Standard (7 steps) (5 steps for cooling / dry mode)	
			01	Cold draft prevention (5 steps for heating and fan only) *(Cannot be set to the lower two steps, lower 2 steps cut off)*	
			02	Not used	
d1	Management of indoor unit operation after a power supply cut off - option 1	O	00	Function disabled (factory setting)	When power supply is restored, the indoor units controlled by the wired remote control switch are turned on regardless of their ON/OFF status at the time of the last power cut off.
			01	Function enabled	
d2	Not available	–	"- -" permanent	–	–

Element	Optional function	Individual setting	Settings	Setting conditions	Description
d3	Management of indoor unit operation after a power supply cut off - option 2	O	00	Function disabled (factory setting)	When power supply is restored, the indoor units controlled by the wired remote control switch are turned on automatically ONLY if they were already ON at the time of the last power cut off. If indoor units were OFF when power was turned OFF, they remain in OFF status when power is restored.
			01	Function enabled	
d4	Not used	O	00	-	Use at 00 conditions
			01		
d5	Prevention of low air outlet temperature in heating mode	O	00	Function disabled (factory setting)	This function prevents the occurrence of an excessively cold air flow in heating mode by decreasing the fan speed during heating operation, also taking into account the setting of function C5
			01	Function enabled	
d6	Not used	–	00	-	Use at 00 conditions
			01		
d7	Econofresh: Minimum opening angle of the outdoor air (OA) damper	O	00	6º (factory setting)	This function is used to set the minimum opening angle of the damper for fresh outdoor air.
			01	12º	
			02	18º	
			03	24º	
			04	30º	
			05	36º	
			06	42º	
			07	48º	
E1	KPI: Ventilation mode	O	00	Automatic ventilation (factory setting)	This function allows the outdoor air damper to be opened in All Fresh operation mode. This mode allows the full opening of the outdoor air damper (according to the control system).
			01	Ventilation with total heat exchanger	
			02	Ventilation with bypass (no total heat exchange)	
	DX-Interface: “A” Offset for Thermo-OFF in control by outlet for DX-Interface		00	Disabled (factory setting)	
			01	2ºC	
			02	4ºC	
	Econofresh: cooling mode		00	Standard process (factory setting)	This function allows the outdoor air damper to be opened in All Fresh operation mode. This mode allows to fully open the outdoor air damper (according to the control system).
			01/02	All Fresh	
E2	KPI: Increase of air supply volume	O	00	Disabled function (factory setting)	This function is used to make the room pressure higher or lower than the surrounded room. One of the fans Increases its speed while the other runs according the remote controller. Hi/Me/Lo change to Hi/Hi/Me.
			01	Enabled function	
	Econofresh enthalpy sensor		00	Disabled function (factory setting)	This function selects the enthalpy sensor input for Econofresh.
			01	Enabled function	

Element	Optional function	Individual setting	Settings	Setting conditions	Description
E3	Not used	–	00	-	Use at 00 conditions
			01		
	Only for KPI-E4E and KPI-X4E: Selection of the fan for function E2	–	00	Activated for supply fan	This function selects which fan will increase the speed (when E2 enables this function).
			01	Activated for exhaust fan	
E4	KPI: Pre-cooling / pre-heating period	O	00	Disabled (factory setting)	This function delays unit startup with energy recovery
			01	30 minutes	
			02	60 minutes	
	Econofresh: CO_2 sensor		00	Disabled (factory setting)	This function selects the CO_2 gas sensor input for Econofresh.
			01/02	CO_2 sensor (required setting `E1=00`)	
E5	Not used	–	00	-	Use at 00 conditions
			01		
	Only for DX-Interface, KPI-E4E and KPI-X4E: High ventilation after switch ON	–	00	Disabled (factory setting)	This function forces that the unit will operate in high speed during 60 minutes after fan start. After this time the fan will be changed to setting value.
			01	60 minutes	
E6	Period of indoor fan operation after cooling operation stoppage	O	00	Disabled function (factory setting)	This function prevents the condensation in the unit by keeping the fan running after the unit operation has been turned OFF.
			01	60 minutes	
			02	120 minutes	
E7	Not used	–	00	-	Use at 00 conditions
			01		
E8	Control for stop of the indoor unit fan during heating Thermo-OFF conditions (with remote sensor THM-R2AE connected to the THM4 connector in the indoor unit PCB)	O	00	Fan operation in Low speed	This function stops the fan to prevent cold draughts or overheating. `C8` must be set to `01` to use the `E8=01` setting. The connection of a THM- R2AE remote temperature sensor to the THM4 port in the indoor unit PCB is required. The remote sensor shall be installed in a proper place for the correct detection of room temperature. (In case that automatic louver is set, the louver will keep operating in both Thermo- ON and Thermo- OFF condition.)
			01	Fan stop in Thermo-OFF conditions.	
E9	Not used	–	00	-	Use at 00 conditions
			01		
EA	Not used	–	00	-	Use at 00 conditions
			01		
			02		
Eb	Indoor unit fan control during cooling Thermo-OFF conditions	O	00	Function disabled (factory setting)	This function decreases speed of the indoor unit fan during cooling Thermo-OFF, to reduce the spread of smells and humidity.
			01	Low	
			02	Slow	
EC	Forced Thermo-ON when stopping in cooling operation	O	00	Function disabled (factory setting)	This function is used to force Thermo-ON during 6 minutes when stopping in cooling operation.
			01	Enabled	

Element	Optional function	Individual setting	Settings	Setting conditions	Description
Ed	Not used	O	00	-	Use at 00 conditions
			01		
EE	Control in “Automatic” indoor fan speed mode	O	00	Function disabled (factory setting)	This function limits the speed of the indoor fan when room temperature is close to the setting temperature.
			01	Enabled	
EF	Control in “Automatic” indoor fan speed mode (supporting High H) Models: RCI-FSR RCIM-FSRE RCD-FSR RPC-FSR RPI(L/H)-FSRE RPI-FSN3(P)E(-f) RPK-FSR(H)M	O	00	Function disabled	This function limits the speed of the indoor fan when room temperature is close to the setting temperature, allowing to reach High H speed.
			01	Function enabled	
F0	Not available	–	“- -” permanent	–	–
F1	Automatic OFF timer setting Models: RCI-FSR RPC-FSR RPK-FSRM RPI(L/H)-FSRE RCD-FSR RCIM-FSRE RPI-FSN3(P)E(-f)	X	00	Function disabled (Factory setting)	This function sets an automatic OFF timer to switch OFF the indoor units controlled by the remote control switch (when the units have been started by remote control). *(Do not set the values "0C"-"0F" when two remote control switches are used in the same remote control group).*
			01	1 hour	
			02	2 hours	
			03	3 hours	
			04-24	(04-24) hours	
			0A	30 minutes	
			0B	90 minutes	
			0C	40 minutes } Do not set these when two wired controllers are used.	
			0D	45 minutes	
			0E	50 minutes	
			0F	55 minutes	
	Automatic OFF timer setting Models: RPF(I)-FSN2E	X	00	Function disabled (Factory setting)	This function is used to set the automatic timer to switch off when the unit has been started by remote control.
			01	1 hour	
			02	2 hours	
			03	3 hours	
			04-24	(04-24) hours	
			0A	30 minutes	
			0B	90 minutes	
F2	Remote control primary-secondary setting	X	00	Primary (main remote control) (Factory setting)	This function is used to define which remote control switch is used as primary or secondary, when two remote controllers are connected to one indoor unit.
			01	Secondary (sub remote control)	

Element	Optional function	Individual setting	Settings	Setting conditions	Description
F3	Automatic reset of setting temperature[6]	X	00	Function disabled (Factory setting)	This function is used to limit unit operation and save energy. The setting temperature is automatically set to the value defined with functions "F5" or "F6", according to the current operation mode, after the time set with function "F4" has passed since the last manual change of setting temperature. In case that the values of "F5" or "F6" are out of the limits set with functions "FC" and "Fd", limitations set by "FC" and "Fd" have priority.
			01	Function enabled	
F4	Automatic reset time	X	00	30 minutes (factory setting)	This function sets the automatic reset time delay for function F3.
			01	15 minutes	
			02	60 minutes	
			03	90 minutes	
F5	Automatic reset temperature for cooling	X	19	19ºC	This function defines the default temperature set point for the automatic reset function F3 in FAN/COOL/DRY modes.
			20	20ºC	
			21	21ºC	
			. . .	. . .	
			24	24ºC	
			25	25ºC (factory setting)	
			26	26ºC	
			. . .	. . .	
			28	28ºC	
			29	29ºC	
			30	30ºC	
F6	Automatic reset temperature for heating	X	17	17ºC	This function defines the default temperature set point for the automatic reset function F3 in HEAT mode.
			18	18ºC	
			. . .	. . .	
			20	20ºC	
			21	21ºC (factory setting)	
			25	25ºC	
			. . .	. . .	
			28	28ºC	
			29	29ºC	
			30	30ºC	
F7	Prevention of operation stoppage due to wrong operation of the remote controller	X	00	Function disabled (factory setting)	Operation is stopped by pressing the run/stop switch for 3 seconds.
			01	Function enabled	
F8	Lock function for operation mode selection	X	00	Function disabled	This function is used to prevent changes to the operation mode.
			01	Function enabled (factory setting)	
F9	Lock function for temperature setting	X	00	Function disabled	This function is used to prevent changes to the temperature setting.
			01	Function enabled (factory setting)	

Element	Optional function	Individual setting	Settings	Setting conditions	Description
FA	Lock function for fan speed selection	X	00	Function disabled	This function is used to prevent changes to the fan speed.
			01	Function enabled (factory setting)	
Fb	Lock function for swing louver operation	X	00	Function disabled	This function is used to prevent changes to the automatic louver operation.
			01	Function enabled (factory setting)	
FC	Lower limit of setting temperature for cooling (Minimum value of setting temperature allowed in cooling)	X	00	Function disabled 19ºC is the standard minimum set point (factory setting)	This function defines the lowest temperature setting value for FAN/COOL/DRY modes.
			01	+1ºC (Lower limit 20ºC)	
			02	+2ºC (Lower limit 21ºC)	
			03	+3ºC (Lower limit 22ºC)	
			. . .	. . .	
			08	+8ºC (Lower limit 27ºC)	
			09	+9ºC (Lower limit 28ºC)	
			10	+10ºC (Lower limit 29ºC)	
Fd	Upper limit of setting temperature for heating (Maximum value of setting temperature allowed in heating)	X	00	Function disabled 30ºC is the standard maximum set point. (factory setting)	This function defines the highest temperature setting value for HEATING mode. Models: RPF(I)-FSN2E up to 20ºC (FC=10)
			01	-1ºC (Upper limit 29ºC)	
			02	-2ºC (Upper limit 28ºC)	
			03	-3ºC (Upper limit 27ºC)	
			. . .	. . .	
			10	-10ºC (Upper limit 20ºC)	
			11	-11ºC (Upper limit 19ºC)	
			12	-12ºC (Upper limit 18ºC)	
FE	Not used	-	00	-	Use at 00 conditions
			01		
			02		
FF	Not Used	O	00	-	Use as 00 conditions
			01		
H1	Not used	–	00	-	Use at 00 conditions
			01		
H2	Indication of hot start (No Indication of operation limitation)	X	00	Displayed	This function is used to display or hide the automatic control indication. Models: RPF(I)-FSN2E Not available, use at 00 conditions
			01	Hidden	
H3	Not used	–	00	-	Use at 00 conditions
			01 / 02		
H4	Not Used	–	00	-	Use at 00 conditions
			01	-	
J1	Not used	-	00	-	Use at 00 conditions
			01		

Element	Optional function	Individual setting	Settings	Setting conditions	Description
J2	Not used	-	00	-	Use at 00 conditions
			01		
J3	Colour of the run indicator	X	00	Green (factory setting)	–
			01	Red	
J4	Override of Start/Stop prohibition at the remote controller	X	00	Start/Stop allowed (Factory setting)	When there is a remote control prohibition from a central control device, this function overrides this prohibition allowing the operation of the Run/Stop button of the remote control switch. Models: RPF(I)-FSN2E Not used. Use at 00 conditions
			01	Start/Stop not allowed ⚠ **DANGER** ***Blocking of Start/Stop shall never be set due to safety concerns.***	
			02	Only Stop allowed	
J5	Not used	-	00	-	Use at 00 conditions
			01		
J6	Error Sound	X	00	Once	To produce a sound when unit is on alarm.
			01	Continuous	
J7	Not used	–	00	-	Use at 00 conditions
			01		
J8	Eco-operation (7)	X	00	Function disabled (factory setting)	When the unit is restarted by the remote control switch, the temperature automatically changes to the setting temperature of “F5” or “F6”. Models: RPF(I)-FSN2E Not available, use at 00 conditions
			01	Function enabled	
J9	Not used	-	00	-	Use at 00 conditions
			01		
JA	Display of "Simple maintenance display" menu	O	00	Function disabled (factory setting)	Enables the “Simple maintenance display” menu. Models: RPF(I)-FSN2E Not available, use at 00 conditions
			01	Function enabled	
Jb	Not used	–	00	-	Use at 00 conditions
			01		

Element	Optional function	Individual setting	Settings	Setting conditions	Description
Jc	Calibration for Thermistor of Wired Controller	X	00	-0°C	Offset for the remote controller thermistor
			01	-0.5°C	
			02	-1.0°C	
			03	-1.5°C	
			04	-2.0°C	
			05	-2.5°C	
			06	-3.0°C	
			07	-3.5°C	
			08	+0.5°C	
			09	+1.0°C	
			10	+1.5°C	
			11	+2.0°C	
			12	+2.5°C	
			13	+3.0°C	
			14	+3.5°C	
			15	-0°C	
K1	Not used	-	00	-	Use at 00 conditions
			01		
K2	Not used	-	00	-	Use at 00 conditions
			01		
K3	Not used	-	00	-	Use at 00 conditions
			01		
K4	Not used	-	00	-	Use at 00 conditions
			01		
			02		
			03		
K5	Detection level of the motion sensor kit	O	00	Standard (factory setting)	Models: RPF(I)-FSN2E Not available, use at 00 conditions. This parameter defines the sensitiveness of the motion sensor. The amount of activity in the room is assessed according to a different scale based on this setting. Detailed information about the operation of the motion sensor can be found in the technical documentation of the indoor units.
			01	High	
			02	Low	
K6	Selection of allowed operation modes when the control sensor of the indoor unit is set by C8 function	O	00	All modes allowed	This function is used to select the operation modes in which the setting of C8 (use of remote control switch sensor or remote sensor on THM4 to control the indoor unit) is enabled.
			01	Only cooling/dry allowed	
			02	Only heating allowed	
			03	All modes allowed	
K7	Radiation Temperature Sensor Calibration	O	00	Normal	Only available for units with radiant sensor
			01	Upper	
			02	Lower	
			03	Normal	
K8	Not used	-	00	-	Use at 00 conditions
			01		
K9	Not used	-	00	-	Use at 00 conditions
			01		

Element	Optional function	Individual setting	Settings	Setting conditions	Description
KA	Not used	-	00	-	Use at 00 conditions
			01		
L1	Setting Position of Motion Sensor	○	00	A	Not used for EU indoor unit models
			01	B	
			02	-	
			03	D	
L2	Not used	-	00	-	Use at 00 conditions
			01		
			02		
			03		
L3	Operation of the louvers in energy-saving Thermo- OFF (Cooling / Dry mode)	O	00	Direct air blow Low (factory setting)	Power save must be ON in order to use this function (L5 must be set to 01). This function is used to establish louver swinging operation ranging from continuous swing to static operation. Low: Continuous louver swing. Medium: Louver swing with intermittent stops for 20/40 seconds. High: Louver stopped at full opening position, according to the setting of CF.
			01	Direct air blow Medium	
			02	Direct air blow High	
			03	Disabled	
L4	Fan acceleration in energy-saving Thermo- OFF (cooling mode)	O	00	Function disabled (factory setting)	This function increases fan speed by one step to prevent the loss of comfort due to the forced Thermo- OFF for energy saving during cooling operation.
			01	Function enabled	
L5	Louver swing operation during energy-saving forced Thermo-OFF	O	00	Function disabled (factory setting)	This function is used to enabled the setting of function L3.
			01	Function enabled	
L6	Not used	-	00	-	Use at 00 conditions
			01		
L7	Not available	–	"- -" permanent	–	–
L8	Not used	-	00	-	Use at 00 conditions
			01		
L9	Not used	-	00	-	Use at 00 conditions
			01		
LA	Not used	-	00	-	Use at 00 conditions
			01		
Lb	Not used	-	00	-	Use at 00 conditions
			01		

Element	Optional function	Individual setting	Settings	Setting conditions	Description
P1	Setting temperature in 0.5ºC steps	X	00	Enabled (0.5ºC steps) (factory setting)	This function is used to define whether setting temperature is adjusted in 0.5ºC steps (when set to "00") or in 1ºC steps (when set to "01"). This setting also determines whether the resolution of temperature differential of the thermistor is 0.5ºC (when set to "00") or 1ºC (when set to "01").
			01	Disabled (1ºC steps)	
P2	Not used	-	00	-	Use at 00 conditions
			01		
P3	Temperature sensor displayed	X	00	Inlet air thermistor (Tin)	This function is used to select the thermistor whose temperature is shown when function P4 is set to 01.
			01	Outdoor air thermistor (Tout)	
			02	Remote controller thermistor (RCS)	
			03	Remote sensor (THM4)	
P4	Display of sensor temperature	X	00	Hidden	This function is used to display the temperature of the sensor selected with function P3.
			01	Shown	
P5	Display of setting temperature when operation mode is Fan	X	00	Shown	This function is used to hide the display of setting temperature during operation in fan mode.
			01	Hidden	
P6	Not available	–	"- -" permanent	–	–
P7	Prohibition of menu screen transition	X	00	Function disabled (factory setting)	This function is used to prohibit the access to the menu screens. The text "Display disabled" appears on screen instead.
			01	Function enabled	
P8	Display of Maintenence Explanation	X	00	Available	This function is used to display the maintenance explanation on the screen when a maintenance sign is shown.
			01	Not Available	
P9	Display of Alarm Explanation	X	00	Available	This function is used to display the alarm explanation on the screen when an alarm occurs.
			01	Not Available	
PA	Daylight saving time	X	00	1 hour	This function is used to set the amount of adjustment when daylight saving time is applied.
			01	2 hours	
Pb	Not used	-	00	-	Use at 00 conditions
			01		
PC	Not used	-	00	-	Use at 00 conditions
			01		
q1	Not used	-	00	-	Use at 00 conditions
			01		
q2	Not used	-	-	-	Not used
q3	Not used	-	-	-	Not used
q4	Not used	-	-	-	Not used
q5	Not used	-	-	-	Not used
q6	Not used	-	00	-	Use at 00 conditions
			01		
q7	Not used	-	00	-	Use at 00 conditions
			01		

Element	Optional function	Individual setting	Settings	Setting conditions	Description
q8	Not used	-	00	-	Use at 00 conditions
			01		
q9	Not used	-	00	-	Use at 00 conditions
			01		
qA	Not used	-	00	-	Use at 00 conditions
			01		
qb	Operation mode with setback	X	00	Disabled	Operation modes in which setback operation is activated to keep a minimum comfort in the room while it is not occupied.
			01	Cooling	
			02	Heating	
			03	Cooling/Heating	
qC	Temperature differential for the setback function	X	00	2.0ºC	Target temperatures for both cooling and heating operation are determined versus a temperature to start setback operation (rE, rF) Target temperature calculation: Target temperature in cooling mode: rF - qC (°C) Target temperature in heating mode: rE + qC (°C)
			01	3.0ºC	
			02	4.0ºC	
			03	5.0ºC	
			04	1.0ºC	
qd	Minimum stop time of setback	X	00	10 minutes	To avoid the frequent activation of setback operation, a minimum off-time shall pass from the end of setback operation until the beginning of the following setback operation. Even if room temperature reaches the setpoint to start setback operation, setback operation does not start until the minimum off-time has expired.
			01	20 minutes	
			02	30 minutes	
			03	40 minutes	
			04	50 minutes	
			05	60 minutes	
			06	70 minutes	
			07	80 minutes	
			08	90 minutes	
			09	100 minutes	
			10	110 minutes	
			11	120 minutes	
qE	Setback mode	X	00	Always	When selecting “01: Input”, it is necessary to set up one input contact (i1 or i2) with the setback function “09”. This operation has to be done in the input/output setting menu of the remote controller. When selecting “02: Schedule” or “03: Manual”, additional settings are required.
			01	Input	
			02	Schedule	
			03	Manual	
qF	Operation state after the end of setback operation	X	00	Stop	Operation state to switch to upon the end of setback duration.
			01	Run	
			02	Operation state before the beginning of setback	
r1	Dual setpoint	X	00	Function disabled (factory setting)	This function allows the setting of independent setpoints for cooling and heating in the automatic cooling/heating mode.
			01	Function enabled	

Element	Optional function	Individual setting	Settings	Setting conditions	Description
r2	Setting of temperature differential for switching cooling and heating	X	0.5	0.5ºC	This function can only be set when function r1 is set to 01.
			1.0	1.0ºC	
			1.5	1.5ºC	
			2.0	2.0ºC	
			2.5	2.5ºC	
			3.0	3.0ºC	
r3	Not used	-	0.5	-	Not used
			1.0		
			1.5		
			2.0		
			2.5		
			3.0		
			3.5		
			4.0		
			4.5		
			5.0		
			5.5		
r4	Not used	-	00	-	Use at 00 conditions
			01		
r5	Not used	-	00	-	Use at 00 conditions
			01		
r6	FrostWash Manual Setting	X	00	Allow	To enable / disable the manual setting of the frostwash function.
			01	Prohibit	
r7	FrostWash Automatic Setting	X	00	Allow	To enable / disable the automatic setting of the frostwash function.
			01	Prohibit	
r8	Enable/Disable Auto-FrostWash	X	00	Disable	To enable / disable frostwash function.
			01	Enable	
r9	Remote control prohibition during setback operation	X	00	Start/Stop allowed (Factory setting)	Manual run/stop from the remote controller can be disabled during setback operation. This function is fixed to 00 (Disabled) when function qE is set to 00 (Always).
			01	Start/Stop not allowed ⚠ **DANGER** ***Blocking of Start/Stop shall never be set due to safety concerns.***	
			02	Only Stop allowed	
rA	FrostWash Intervals Setting	×	00	100h	This function is used to define the intervals between frostwash operation.
			01	200h	
			02	400h	
			03	50h	
rb	Minimum operation time to allow the change of operation mode in auto cooling/heating mode with dual set point	X	00	Disabled	This function is used to define a minimum time of operation in a given mode, in order to avoid too frequent changes of operation mode. Operation mode does not change until the minimum transition time passes, even if the room temperature reaches the setpoint to shift to the other operation mode.
			01	10 minutes	
			02	20 minutes	
			03	30 minutes	
			04	40 minutes	
			05	50 minutes	
			06	60 minutes	
			07	70 minutes	
			08	80 minutes	
			09	90 minutes	
			10	100 minutes	
			11	110 minutes	
			12	120 minutes	

Element	Optional function	Individual setting	Settings	Setting conditions	Description
rC	Maximum outdoor temperature to allow operation mode switch to heating in auto cooling/ heating with dual set point	X	00	Disabled	If outdoor ambient temperature is higher than rC, there is no mode transition to heating in automatic cooling/heating operation mode, even if room temperature reaches the setpoint to switch operation mode from cooling to heating.
			01	20.0ºC	
			02	21.0ºC	
			03	22.0ºC	
			. . .	. . .	
			21	40.0ºC	
			22	0.0ºC	
			23	1.0ºC	
			24	2.0ºC	
			. . .	. . .	
			41	19.0ºC	
rd	Minimum outdoor temperature to allow operation mode switch to cooling in auto cooling/ heating with dual set point	X	00	Disabled	If outdoor ambient temperature is lower than rd, there is no mode transition to cooling in automatic cooling/heating operation mode, even if room temperature reaches the setpoint to switch operation mode from heating to cooling.
			01	10.0ºC	
			02	11.0ºC	
			03	12.0ºC	
			. . .	. . .	
			31	40.0ºC	
			32	-20.0ºC	
			33	-19.0ºC	
			34	-18.0ºC	
			. . .	. . .	
			61	9.0ºC	
rE	Temperature for the beginning of heating in setback	X	00	15.0ºC	If room temperature becomes lower than this setting, indoor unit operation is resumed in heating mode by the setback function.
			01	16.0ºC	
			02	17.0ºC	
			03	18.0ºC	
			04	19.0ºC	
			05	10.0ºC	
			06	11.0ºC	
			07	12.0ºC	
			08	13.0ºC	
			09	14.0ºC	
rF	Temperature for the beginning of cooling in setback	X	00	26.0ºC	If room temperature becomes higher than this setting, indoor unit operation is resumed in cooling mode by the setback function.
			01	27.0ºC	
			02	28.0ºC	
			03	29.0ºC	
			04	30.0ºC	
			05	31.0ºC	
			06	32.0ºC	
			07	33.0ºC	
			08	34.0ºC	
			09	35.0ºC	
			10	25.0ºC	
S1	Not used	-	00	-	Use at 00 conditions
			01		
S2	Not used	-	00	-	Use at 00 conditions
			01		
S3	Not used	-	00	-	Use at 00 conditions
			01		

Element	Optional function	Individual setting	Settings	Setting conditions	Description
S4	Not used	-	00	-	Use at 00 conditions
			01		
S5	Not used	-	00	-	Use at 00 conditions
			01		
S6	Not used	-	00	-	Use at 00 conditions
			01		
			02		
S7	Not used	-	00	-	Use at 00 conditions
			01		
			02		
			03		
			04		
			05		
			06		
			07		
S8	Not used	-	00	-	Use at 00 conditions
			01		
			02		
			03		
			04		
			05		
			06		
			07		
			08		
			09		
			10		
			11		
			12		
			13		
			14		
			15		

NOTE

- *O: allows for individual setting.*
- *X: the setting is made for all outdoor units.*
- *–: not used.*
- *(1) When J1 is set as activated function, the room temperature indication is the sensor value set at “C8”.*
- *(2) The Remote Control Switch shall be installed in a proper place for the correct detection of room temperature by its temperature sensor.*
- *(3) The Remote Sensor shall be installed in a proper place for the correct detection of room temperature.*
- *(4) In case that automatic louver is set, the louver will keep operating in both thermo-ON and thermo-OFF condition.*
- *(5) 00 standard (7-step operation); 01 draft prevention (cannot be set to the lower two steps); 02 High ceilings (cannot be set the upper two steps).*
- *(6) In case that the set temperature is changed and kept within the set time at “F4”, the temperature is automatically changed to “F5” and “F6”. In case that the set temperature is out of range at “F5” and “F6”, it is applied within upper and lower limit for the set temperature.*
- *(7) When the unit is restarted by the remote control switch, the temperature automatically changes to the setting temperature of “F5” or “F6”.*

NOTE

- *On modifying the ”CF” (air outlet louver angle change) setting, restore the power supply or allow the automatic louver to make a full cycle in automatic mode to apply the optional setting.*
- *The changes to the optional function settings must be done after 3 minutes have passed after startup.*
- *It is recommended to keep track of the changes made to optional function settings, for further reference.*
- *The optional settings are different according to the indoor and outdoor unit models. Check to ensure that the unit has the optional setting or not.*
- *The optional functions with “X” mark at the individual setting column can change the condition only when “All Rooms” is set.*
- *The following optional functions are disable when RPI Unit with Econofresh are installed: b7, bA, bd, bE, C1, C2, C3, C9, CA, Cd, CF, d6, E3, E5, E7, E9, EA, FE, FF, H1, H3, H4, J2, J4, J7, J8, J9, JA, JB, K1, K2, K3, K4, K5.*

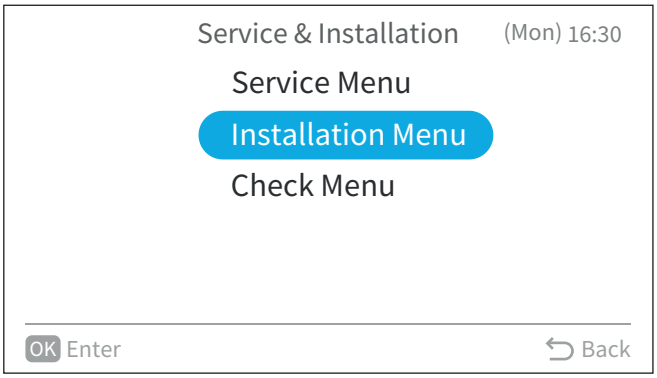
6.1.3 Thermistor Selection

This function is used to control the indoor temperature using thermistor in the wired remote controller (Wired Controller Thermistor) instead of Inlet Air Thermistor in the indoor unit.

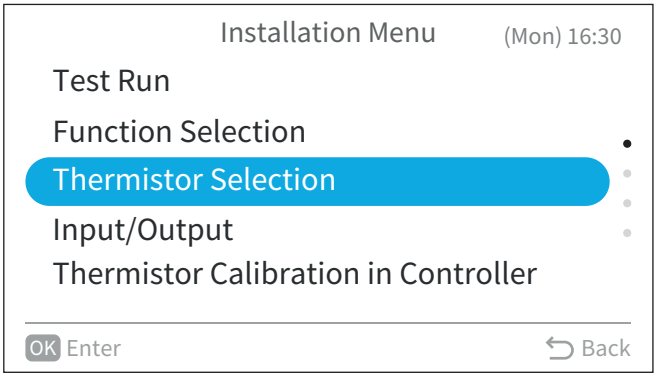
NOTE

- *Even if Wired Controller Thermistor controls the indoor temperature, the temperature of Inlet Air Thermistor in the indoor unit is used for the protection control such as frost prevention related to Inlet Air Thermistor.*
- *When Wired Controller Thermistor controls the indoor temperature and the abnormal temperature is detected due to a failure such as a malfunction of Wired Controller Thermistor, the control automatically switches to Inlet Air Thermistor in the indoor unit.*
- *To use Wired Controller Thermistor, install the wired remote controller where:*
  - *The average room temperature can be detected.*
  - *The remote controller is not exposed to direct sunshine or direct light.*
  - *The unit is not close proximity to a heat source.*
  - *The wired remote controller is not affected by the outside air due to opening or closing the door and so forth.*
- *If two wired remote controllers are used as the main and sub, only Wired Controller Thermistor of the main remote controller is available.*
- *This function is not effective when using the remote sensor. (The remote sensor is prioritized excluding outside air processing air conditioners.)*

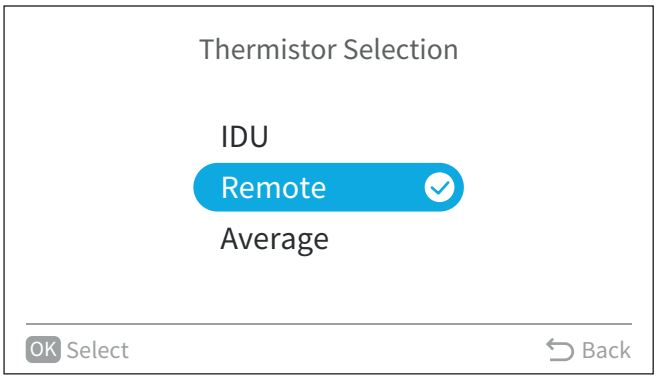
1 Select “Installation Menu” on the Service & Installation screen and press “OK”.



2 Select “Thermistor Selection” setting and press “OK”.



3 If “^” or “v” is pressed, the setting items are selected in the following order: “IDU” ↔ “Remote” ↔ “Average”. Select the setting item and press “OK” to confirm the setting.



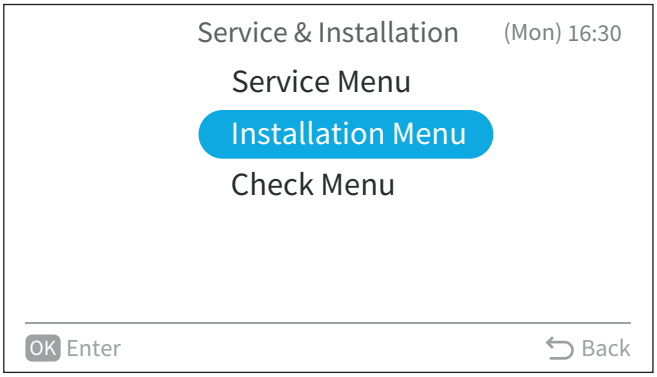
NOTE

Select “Remote”to control with the remote sensor when the remote sensor is connected, and select “IDU”or “Average”to control by the average of the indoor thermistor and the remote sensor.

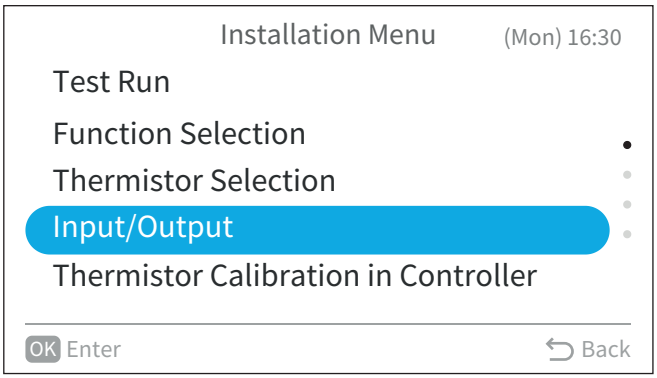
4 Press “⮌” to return to the “Installation Menu”screen.

6.1.4 Input / Output Setting

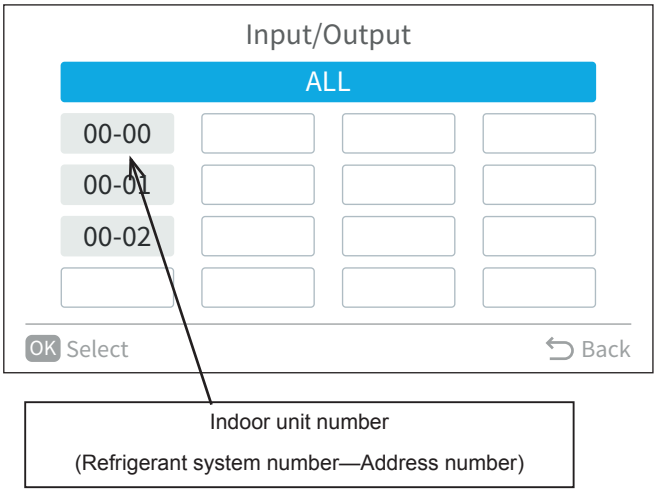
1 Select “Installation Menu” on the Service & Installation screen and press “OK”.



2 Select “Input/Output” setting and press “OK”.

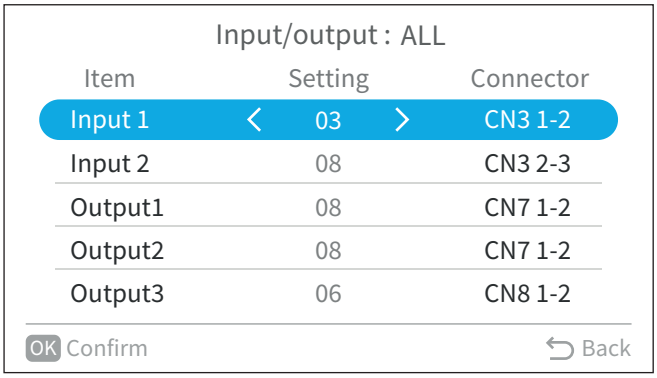


3 Select the indoor unit by pressing “^”, “v”, “<”, or “>” and press “OK”.
(This screen is NOT displayed when only one indoor unit is connected with the controller. In this case, “Step4” is displayed.)



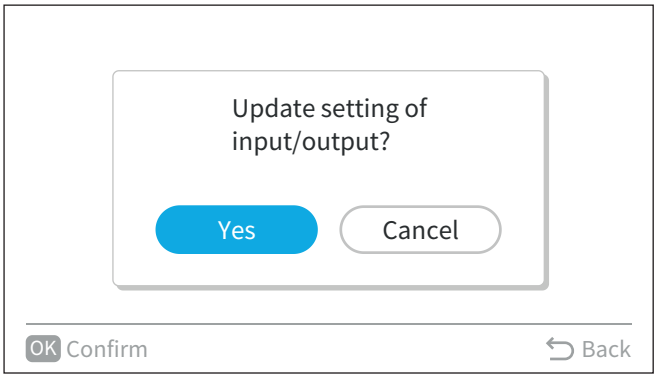
4 Press “^” or “v” to select the item.

5 Press “<” or “>” to change the setting.



6 Press “OK” and the confirmation screen is displayed.

7 Select “Yes” and press “OK” to confirm the setting and the screen returns to Step2.
If “Cancel” is selected, the setting is cancelled and the screen returns to Step2.
If there is more than one indoor units connected to the remote controller, the screen returns to Step3.
Press “⮌” to return to Step4.



◆ Input and Output Number Display and Connectors

Input Number Display	Port	Factory Setting		Setting
Input/Output Indication		Setting Item	Indication	
Input 1	CN3 1-2	Remote ON/OFF 1 (Level)	03	
Input 2	CN3 2-3	Prohibiting Remote Control after Manual Stoppage	06	
Output 1	CN7 1-2	Operation	01	
Output 2	CN7 1-3	Alarm	02	
Output 3	CN8 1-2	Thermo-ON for Heating	06	

◆ Input and Output Settings and Display Codes

Code Indicated	Input	Output
00	Not set	Not set
01	Room Thermostat (for Cooling)	Operation
02	Room Thermostat (for Heating)	Alarm
03	Remote ON/OFF 1 (Level)	Cooling
04	Remote ON/OFF 2 (Operation)	Thermo-ON for Cooling
05	Remote ON/OFF 2 (Stoppage)	Heating
06	Forbidding Remote Control after Manual Stoppage	Thermo-ON for Heating
07	Remote Cooling / Heating Change	Not set
09	Setback Operation	

NOTE

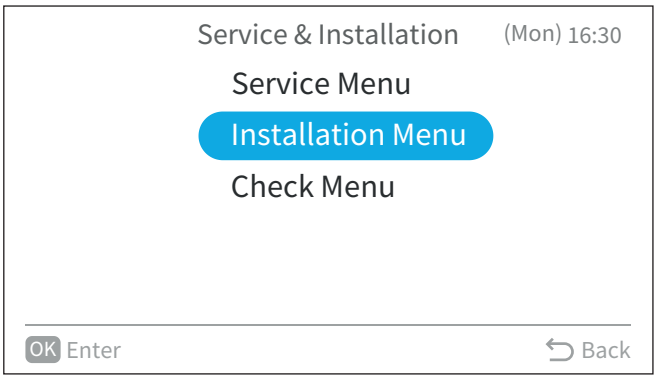
- *Change the optional setting after waiting at least three minutes elapsed time after start-up.*
- *Do not set the elevating grille for the total heat exchanger.*
- *Record the setting conditions for each input and output in the “Setting” column of the table.*

6.1.5 Thermistor Calibration in Controller

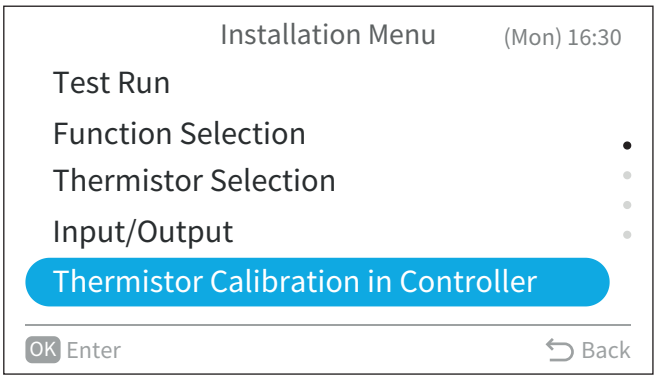
This function is used to calibrate detected thermistor temperature in the wired remote controller.

The temperature compensation value can be set in 0.5°C increments within a range of ±3.5°C.

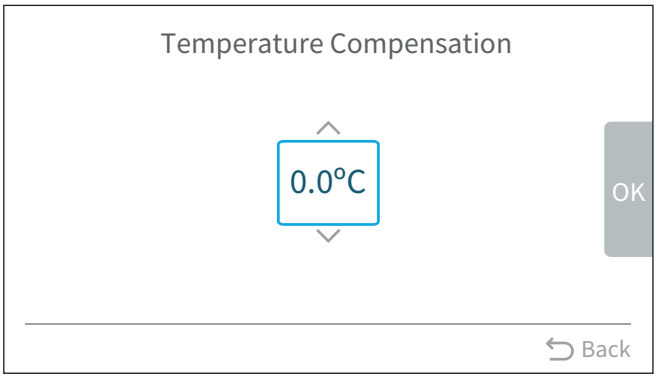
1 Select “Installation Menu” on the Service & Installation screen and press “OK”.



2 Select “Thermistor Calibration in Controller” setting and press “OK”.



3 Select the temperature compensation value by pressing “^”, “v” and press “OK”.

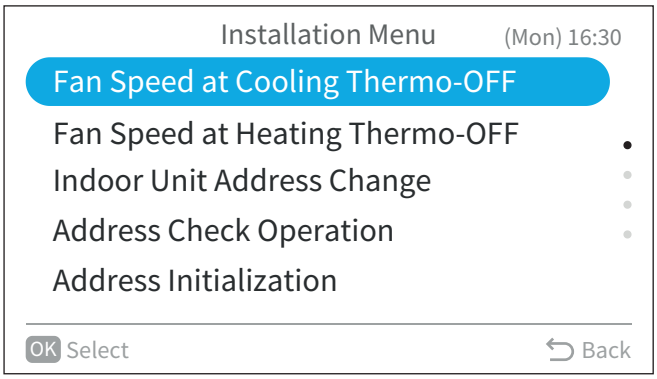


4 Press “<” or “>” to select “OK “. Press “OK”, the screen returns to the “Installation Menu”.

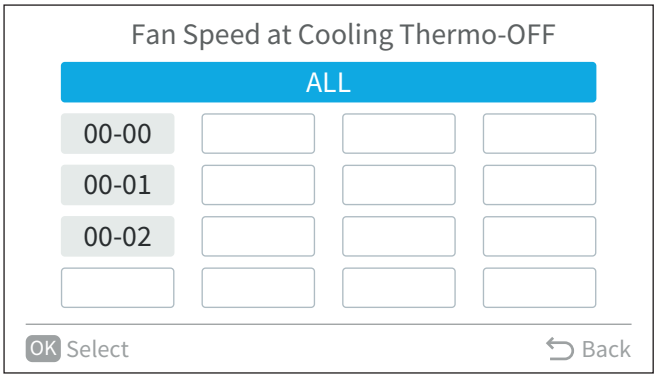
6.1.6 Fan Speed at Cooling Thermo-OFF

This function is used to set the fan speed of the indoor unit at Cooling Thermo-OFF.

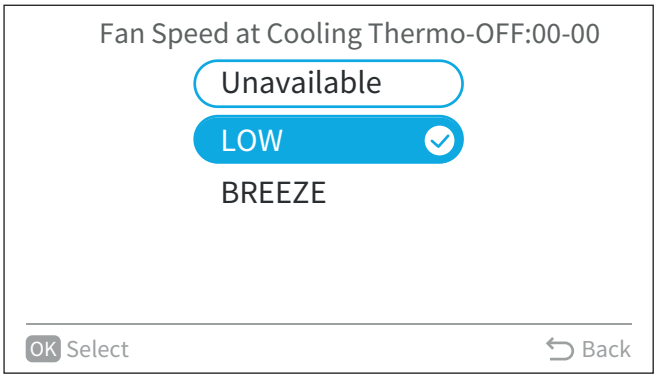
1 Select “Fan Speed at Cooling Thermo-OFF”on the “Installation Menu” screen and press “OK”.



2 Press “^”, “v”, “<” or “>” to select the indoor unit. Press “OK”. If there is only one indoor unit connected to the wired remote controller, this screen is not displayed. (The Step3 screen is shown.)



3 If “^” or “v” is pressed, the fan speed is selected in the following order: “Unavailable” ↔ “Low” ↔ “BREEZE”. Select the fan speed and press “OK” to confirm the setting.

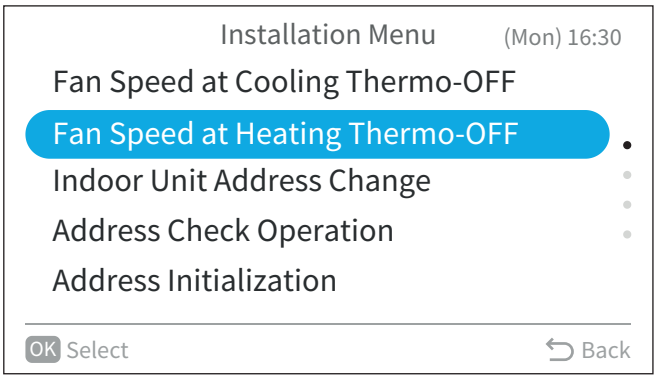


4 Press“⮌” to return to the “Installation Menu” screen.

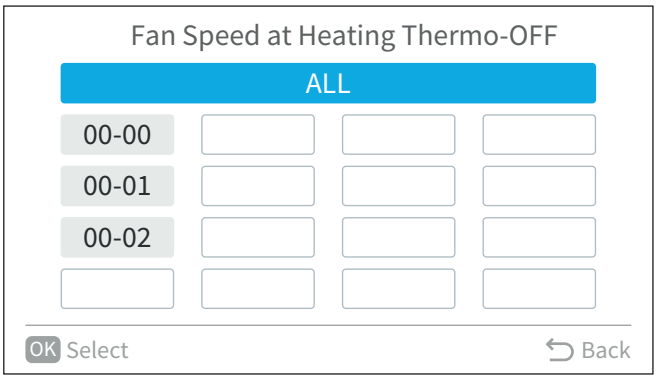
6.1.7 Fan Speed at Heating Thermo-OFF

This function is used to set the fan speed of the indoor unit at Heating Thermo-OFF.

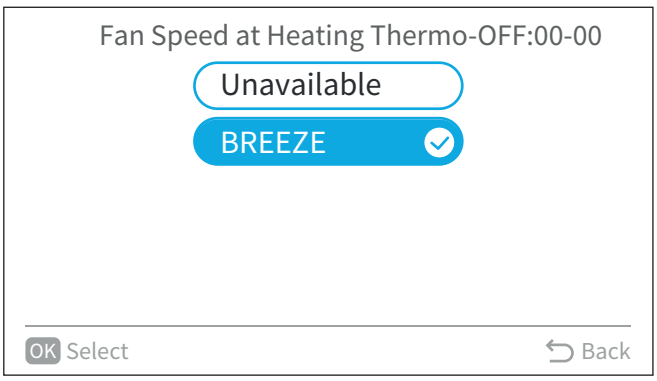
1 Select “Fan Speed at Heating Thermo-OFF”on the “Installation Menu” screen and press “OK”.



2 Press “^”, “v”, “<” or “>” to select the indoor unit. Press “OK”. If there is only one indoor unit connected to the wired remote controller, this screen is not displayed. (The Step3 screen is shown.)



3 If “^” or “v” is pressed, the fan speed is selected in the following order: “Unavailable” ↔ “BREEZE”. Select the fan speed and press “OK” to confirm the setting.



4 Press“⮌” to return to the “Installation Menu” screen.

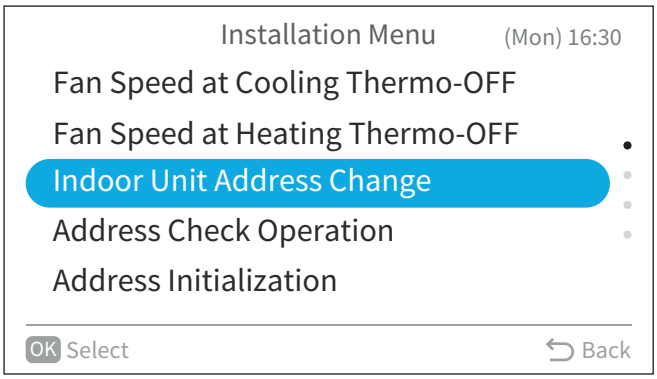
6.1.8 Indoor Unit Address Change

This function is used to change the indoor unit address.

NOTE

- *Refrigerant system “99” is used to temporarily save the address when the refrigerant system number or address number of the indoor unit are all used (there is no vacant space).*
- *After setting Refrigerant System “99”, be sure to change the address within the normal range.*

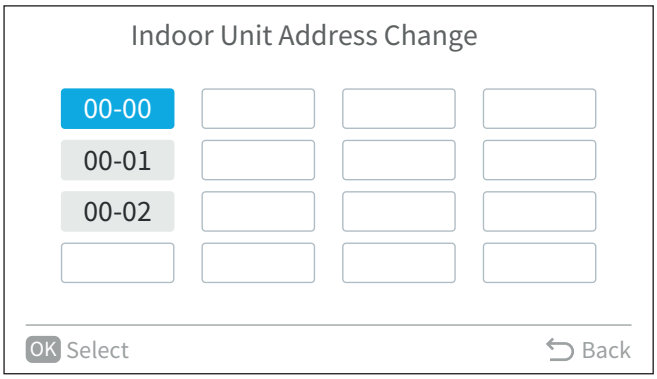
1 Select “Indoor Unit Address Change”on the “Installation Menu” screen and press “OK”.



2 Press “^”, “v”, “<” or “>” to select the indoor unit. Press “OK”.

NOTE

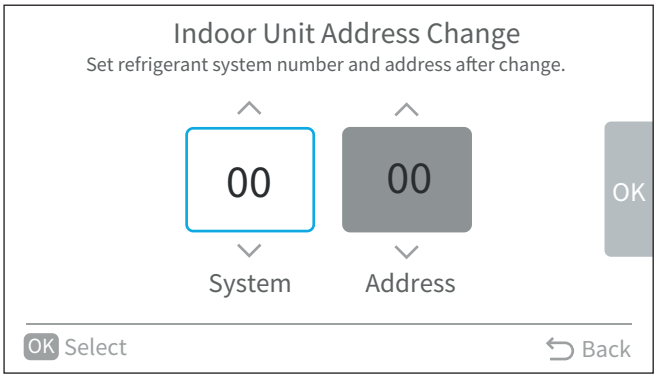
Only the indoor units with indoor unit address change functioncan be selected.



3 Select the changed address.

4 Press the “^” or “v” to switch the refrigerant system number within the range of 00 to 63,99. Then switch address number within the range of 00 to 63.

5 Select “OK “, then press “OK”.

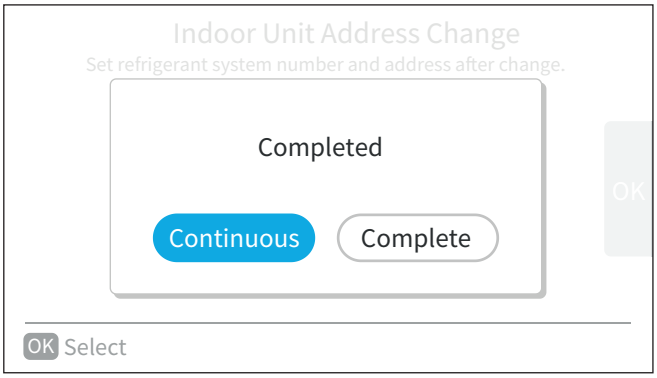


6 Press "⮌" and select "Yes". The address change processing starts. The result is displayed after a few seconds.

NOTE

If the address is changed successfully, "Completed." is displayed. Otherwise the process has been failed. Verify the settings.

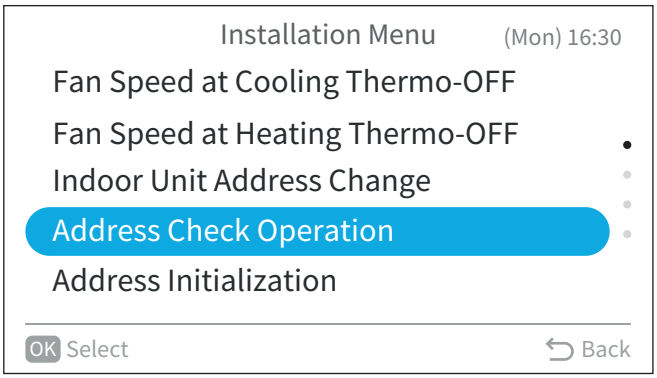
7 When changing multiple indoor units' address, select "Continuous" and press "OK". When finishing, select "Complete" and press "OK".



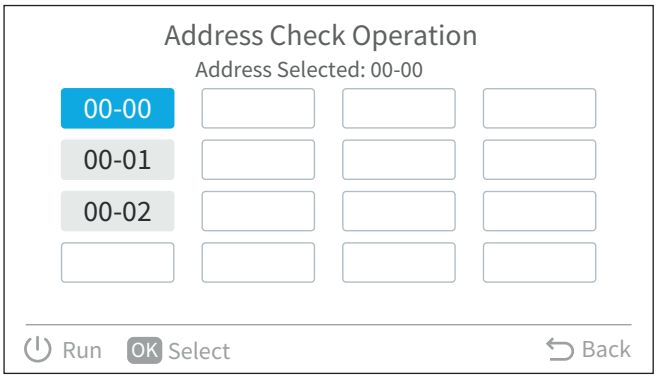
6.1.9 Address Check Operation

This function is used to confirm the indoor unit address by specifying the address to operate the indoor unit individually when two or more indoor units are connected to the Wired Remote Controller.

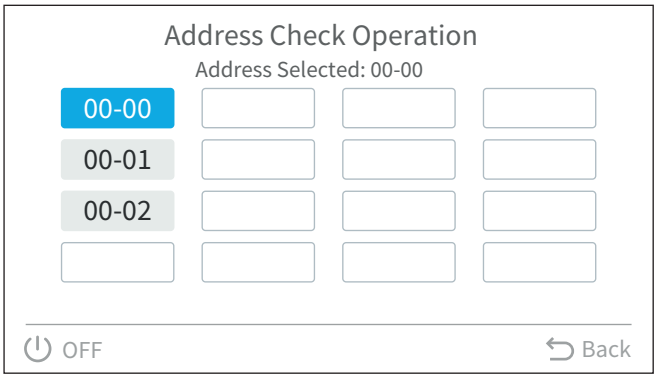
1 Select "Address Check Operation"on the "Installation Menu" screen and press "OK".



2 Press "^", "v", "<" or ">" to select the indoor unit. Press "OK".



3 Press "⏻" and select the indoor unit which is selected in Step2. When the air conditioner is in runing, press "⏻", the screen returns to the indoor unit selection screen. Repeat Step2 and 3 until the indoor unit address to be changed is confirmed.



4 When the air conditioner is OFF, press "⮌", the screen returns to the "Installation Menu" screen.

6.1.10 Address Initialization

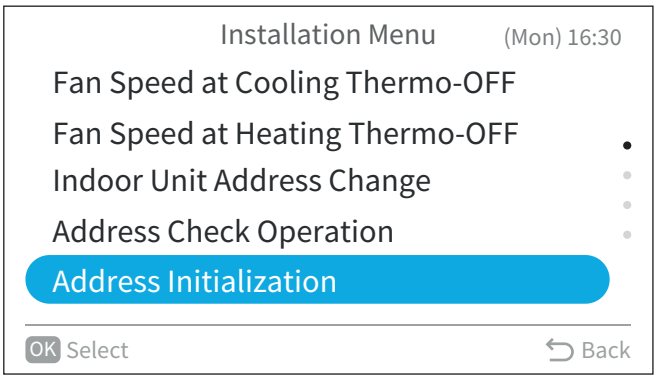
This function is used to initialize the address changed in the mode of Indoor Unit Address Change or set automatically.

By using this setting, indoor unit address is determined by the DIP switch position. (If the DIP switch position is set as for automatic address, the indoor unit address is automatically assigned again.)

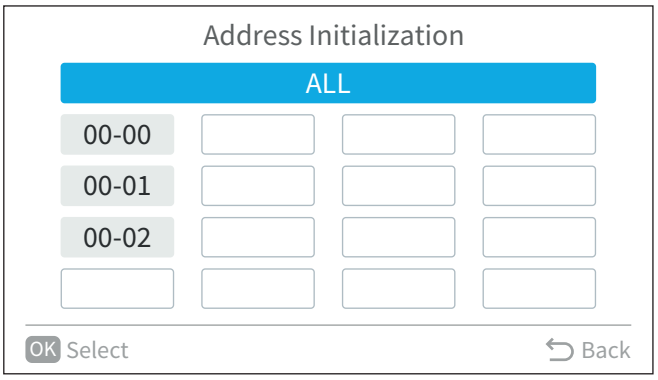
NOTE

- *After the indoor address is initialized, turn off the power of the indoor unit.After all indicators on the remote controller are OFF, turn ON the power of the indoor unit again.*
- *Address Initialization cannot be performed in case of the remote controller without transition wiring.*

1 Select “Address Initialization”on the “Installation Menu” screen and press “OK”.



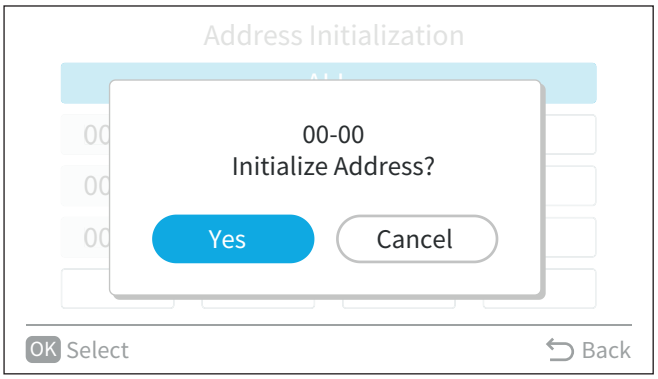
2 Press “^”, “v”, “<” or “>” to select the indoor unit. Press “OK”.



NOTE

- *Only the indoor units with Address Initialization function can be selected.*
- *Even if “All” is selected, the address of the indoor unit that does not support the Address Initialization function cannot be initialized.*

3 Select “Yes” and press “OK”. The address initialization processing starts.



NOTE

When the indoor unit address is changed successfully, connection checking process starts.

4 Select “Complete” and press “OK”.

5 Step5. To initialize another indoor unit address, select “Continue” and press “OK” to return to Step2.

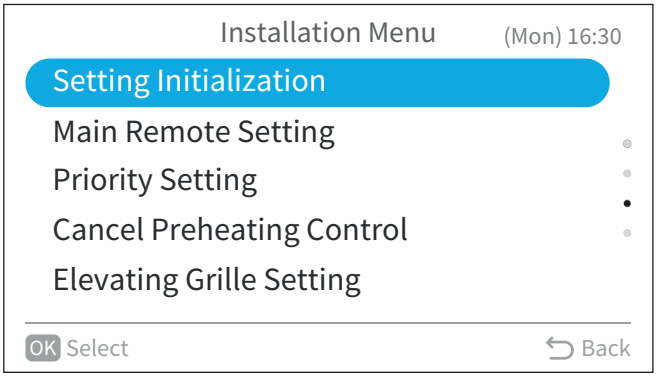
6.1.11 Setting Initialization

This function is used to restore the factory default settings of Function Selection and Input/Output.

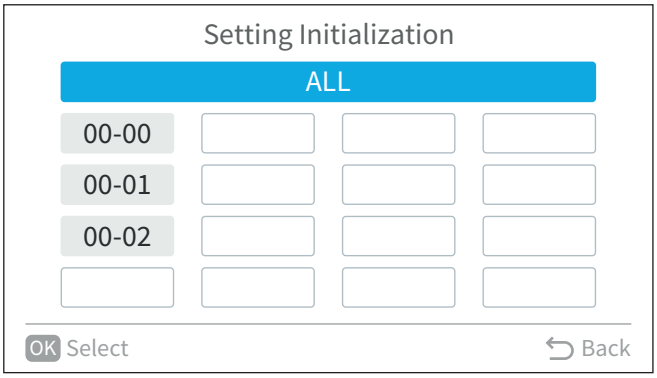
NOTE

- *The history display on the "Function Selection" screen is also updated to the factory default setting.*
- *If the indoor unit that does not support Setting Initialization is selected, "No Function" is displayed.*
- *Even if "All" is selected, the settings of Function Selection and Input/Output for the indoor unit that does not support Setting Initialization cannot be initialized to the factory default settings.*

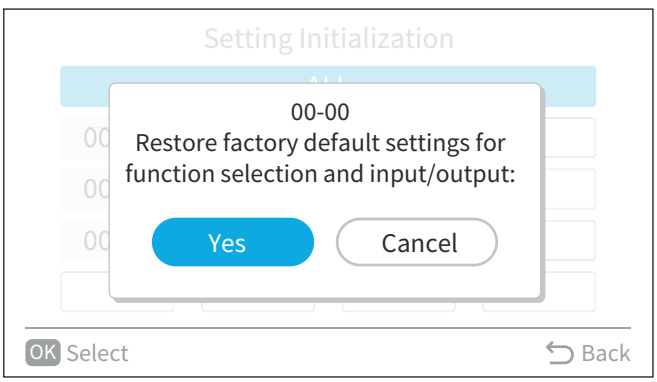
1 Select "Setting Initialization"on the "Installation Menu" screen and press "OK".



2 Press "^", "v", "<" or ">" to select the indoor unit. Press "OK". If there is only one indoor unit connected to the wired remote controller, this screen is not displayed. (The screen in Step 3 is shown.)



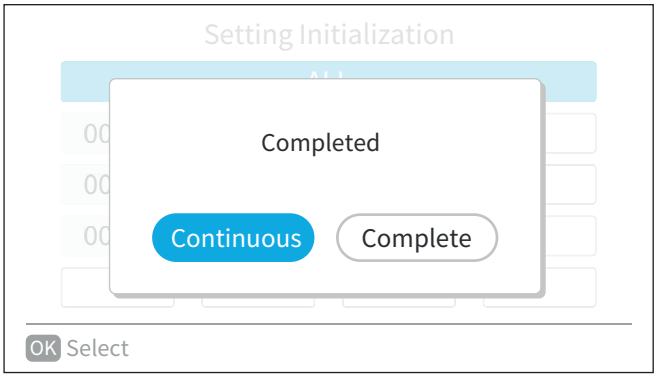
3 Select "Yes" on the confirmation screen and press "OK". Wait for approximately 30 seconds.



NOTE

Use this function only when setting restored to the factory default settings causes no problem and inconvenience.

4 Select "Complete" and press "OK". To initialize another setting of Function Selection and Input/Output, select "Continue" and press "OK" to return to Step2.

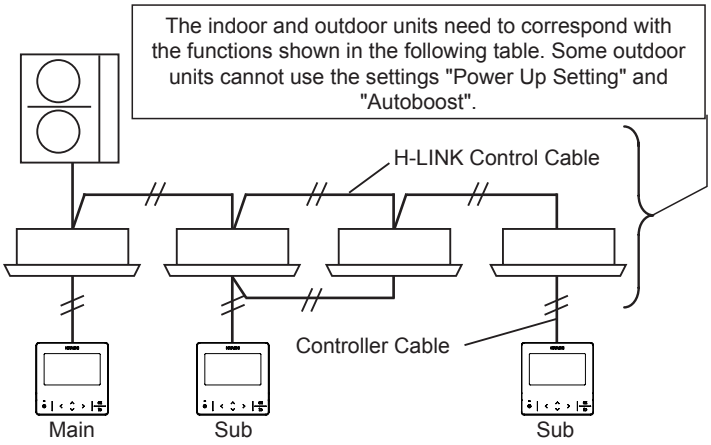


6.1.12 Main Remote Setting

To change the sub remote controller to the main remote controller.

If multiple remote control group exist in the same outdoor system, main/sub setting is automatically allocated. Set the desired Wired Remote Controller as the “Main” remote controller.

◆ Example of a refrigeration system containing a group of multiple controllers



Main Controller	—	Only One Controller in Same Refrigerant System
Sub Controller	—	Controller in addition to the Main Controller in the same Refrigerant System

◆ Relation between Main/Sub controller and setting range

NOTE

Concerning main and sub controllers, the range of settings may differ for the functions shown below.

Function		Main	Sub
Power Saving Details Setting		○	×
Outdoor Unit Capacity Control	Details Setting	○	×
	Power Savings Level Switch	○	×
Indoor Unit Rotation Control	Details Setting	○	×
	ON/OFF	○	○
Intermittent Control	Details Setting	○	○
	Power Savings Level Switch	○	○
Night Quiet Operation		○	×
Power Savings Schedule	Outdoor Capacity Control	○	×
	Intermittent Control	○	○
Night Quiet Operation Schedule		○	×
Power Up Setting		○	×
Autoboost		○	○

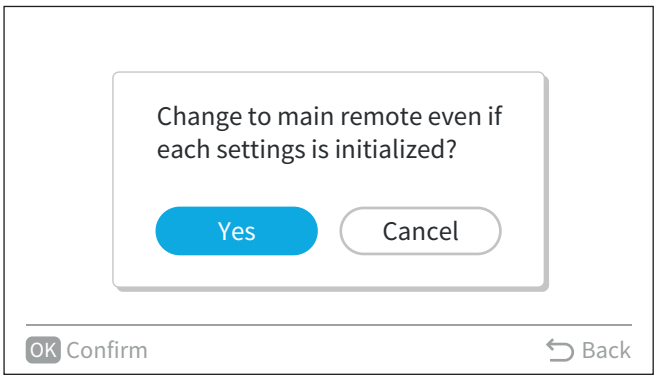
○: Available ×: Not Available

◆ Changing from the sub controller to the main controller

1 Select “Installation Menu” on the Service & Installation screen by pressing “﹀” and press “OK”.

2 Select “Main Remote Setting” by pressing “∧” or “﹀” and press “OK”.

3 Select “Yes” and press “OK” to change to the main remote. “Change to main remote” is displayed on the screen. Select “Cancel” to return to Step2.
*After the change is completed, the Power Savings Mode will change to “No Setting”. After the following functions initialized, reset the setting for the “Power Savings Setting”, “Power Saving/Night Quiet Schedule”, “Night Quiet Operation”, “Priority Setting” and “Power Up Setting”.



4 When the change to main remote control is completed, the “Reconfigure each setting” screen is displayed.

5 Press “OK” on the confirmation screen to return to Installation Menu.

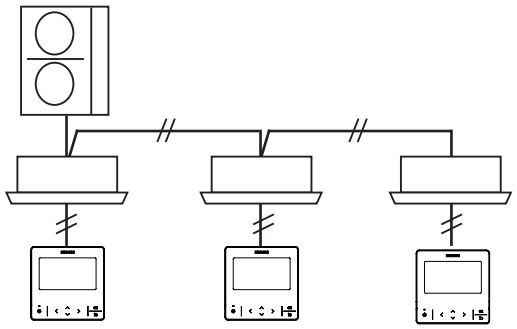
NOTE

- *When using two controllers, only the primary controller can be set as the main controller. In cases where two controllers are both sub controllers, the “Main Remote Setting” is only accessible from the primary controller.*
- *In cases where the primary controller is a “Main Controller” and the secondary controller is a “Sub Controller”, when the primary controller and the secondary controller are changed by the function selection, Main and Sub controllers will also be switched simultaneously.*
- *If the sub controller is displayed, the main switch may not function normally. Please verify the cable connection.*
- *If a remote control group is operating with multiple refrigerant systems, the ECO function may not operate normally.*

6.1.13 Priority Setting

You can only set the operation mode and unit temperature setpoint from one specific controller (the main controller) in the same refrigerant system without having to use the central controller. The operation of sub controller is decided by the priority setting and power saving details setting of the main controller.

Example



List of operations that can be performed when priority is set

Priority Setting		Remote Selection		
		Controller A (Main)	Controller B and C (Sub)	
		Operation Mode Temperature Setpoint	Operation Mode	Temperature Setpoint
Without Priority		○	○	○
With Priority	Operation Mode		▲	○
	Operation Mode + Temperature Setpoint		▲	×

NOTE

- ○: *Selection Possible*
- ▲: *Selection Possible Partially*
  - *Operation Mode + FAN set by Controller A (Main)*
  - *Only when COOL mode COOL↔DRY*
- ×: *Selection not possible (Apply to setting temperature of Controller A (Main))*
- *This controller comes normally pre-set with factory-supplied default settings. It is possible to set, depending on what is pre-set in the priority settings of the Test Run menu.*
- *Only the temperature setting cannot be set as priority. Also, even if operation mode is set as priority, in the case of COOL/HEAT Automatic Mode, the priority is temporarily overridden.*
- *When using two controllers, it is not possible to set priority.*
- *If one of the devices in the same refrigerant cycle is connected, the main function cannot be used.*
  - *Outdoor unit or Indoor unit power saving capabilities are not available*
  - *Receiver Kit*
  - *Central Controller*
  - *Advanced Wired Remote Controller and Wired Remote Controller are set "ON" with the selected operation mode, setting adjustment of Temperature Setpoint, and setting adjustment for cooling*
  - *Cooling/Heating Changeover Switch Unit*

◆ Set Operation Mode and Temperature Priority

1 Select "Installation Menu" on the Service & Installation screen and press "OK".

2 Select "Priority Setting" and press"OK".

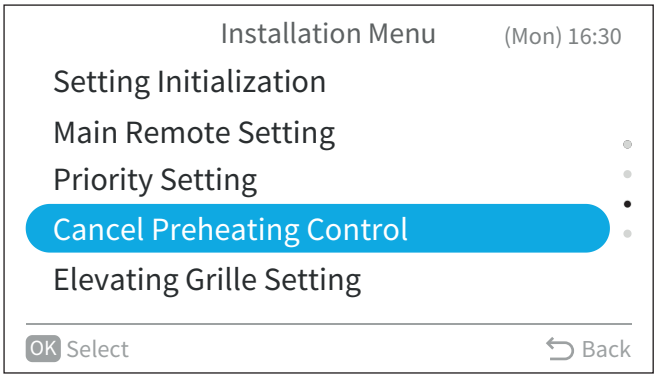
3 Press "^" or "v" to change in order the "No Setting" ↔ "Operation Mode" ↔ "Operation Mode + Set Temp". Select the setting and press "OK" to display the confirmation screen.

4 Press "⮌" to return to the Installation Menu.

6.1.14 Cancel Preheating Control

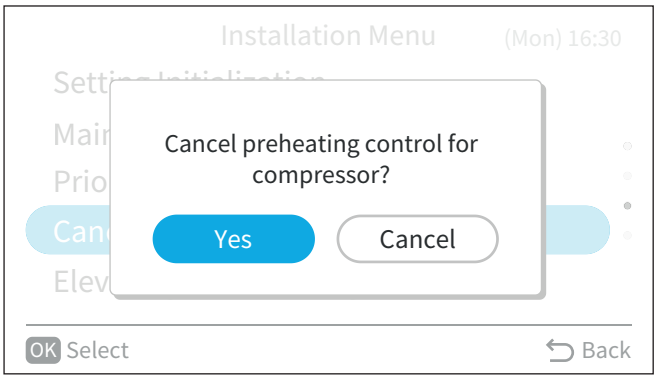
To cancel preheating control for compressor.

1 Select "Cancel Preheating Control"on the "Installation Menu" screen and press "OK".

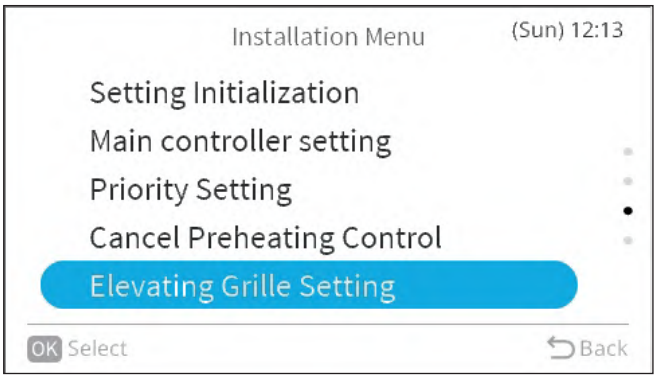


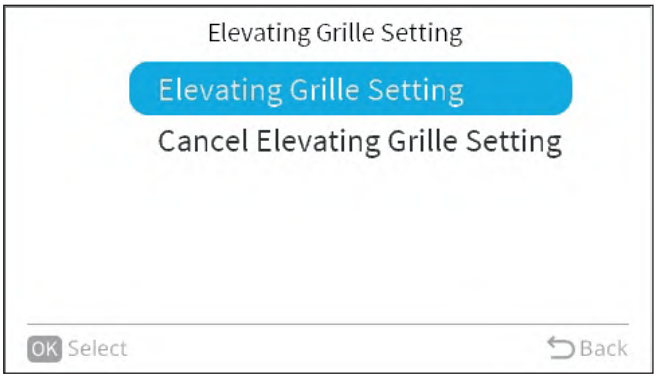
2 Select "Yes" and press "OK".

3 When "Cancel" is selected, the screen returns to the "Installation Menu".



6.1.15 Elevating grille Setting



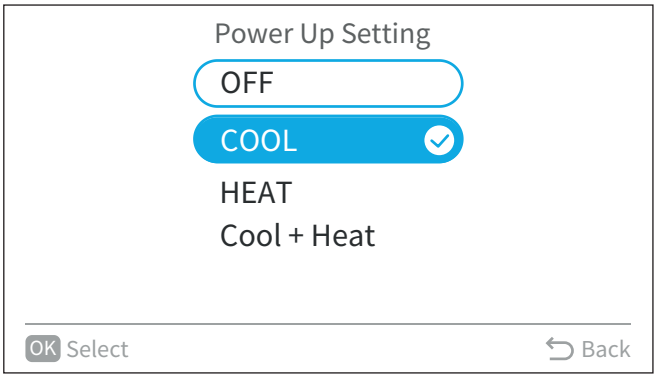


6.1.16 Power Up Setting

To expand capacity of the outdoor unit. Some unit do not support this function.

1 Select “Power Up Setting”on the “Installation Menu” screen and press “OK”.

2 If “^” or “v” is pressed, the settings are selected in the following order: “OFF” ↔ “COOL” ↔ “HEAT” ↔ “Cool + Heat” Select the setting and press “OK” to confirm the setting.

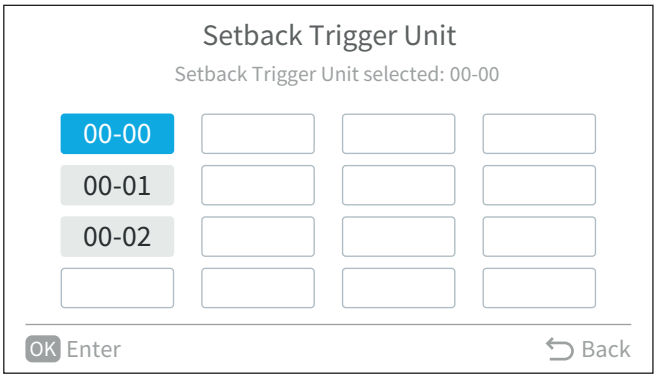


3 Press “⮌” to return to the Installation Menu.

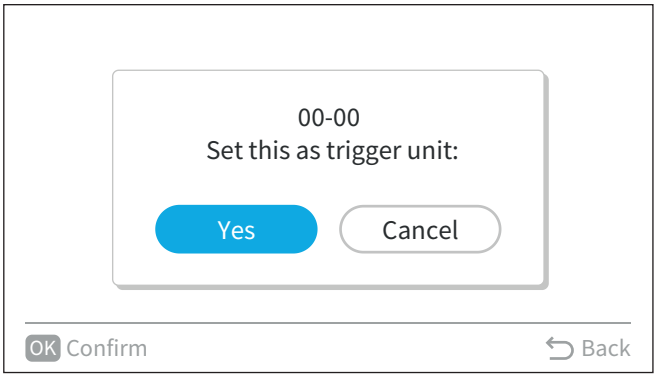
6.1.17 Setback Trigger Unit

The setback trigger unit can be set from the Installation Menu.

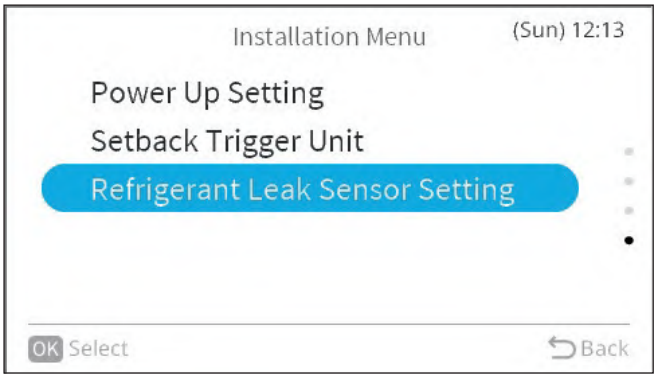
1 Select the indoor unit by pressing “^”, “v”, “<”, or “>” and press “OK” to display the confirmation screen.

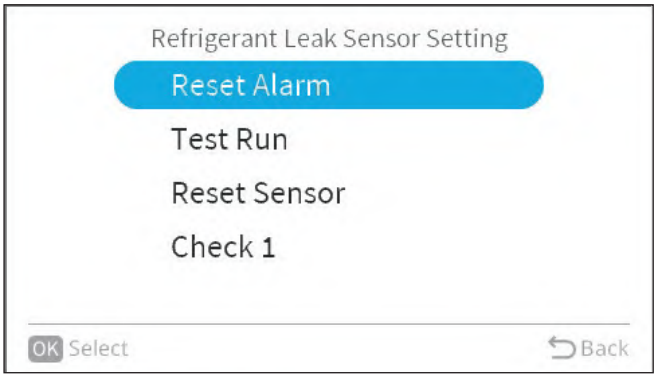


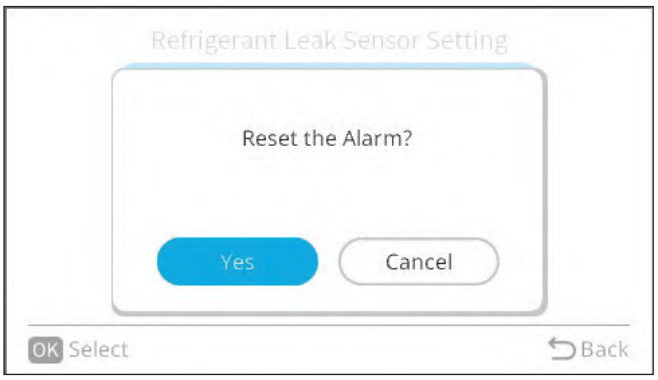
2 Select “Yes” and press “OK” to confirm the setting. Then, please wait a moment until the screen shows “Completed” or “Setting Disabled”.
If “Cancel” is selected, the screen returns to the Setback Trigger Unit screen.

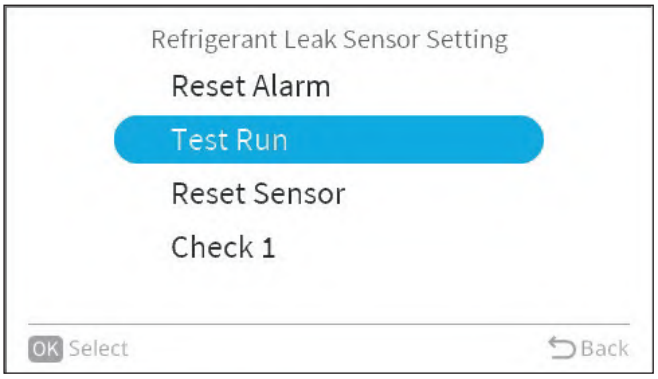


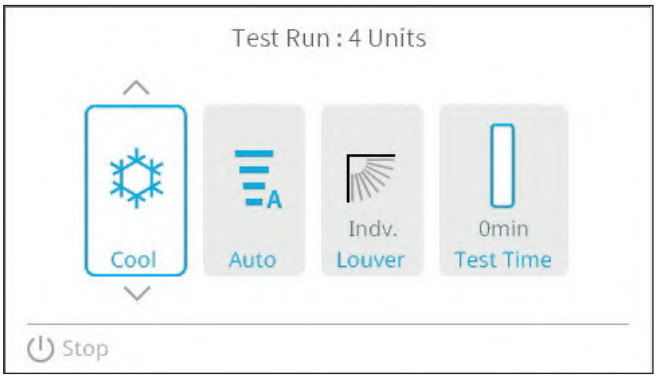
6.1.18 Refrigerant Leak Sensor Setting

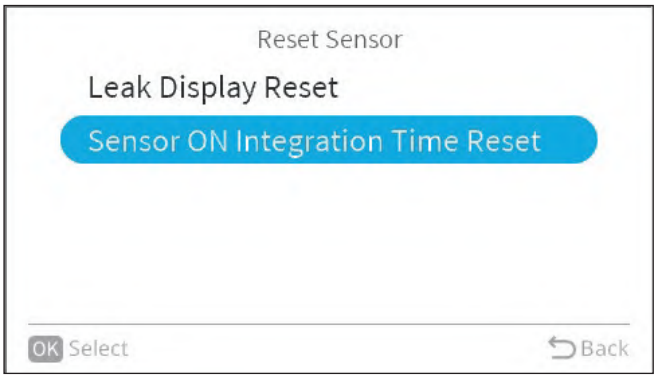


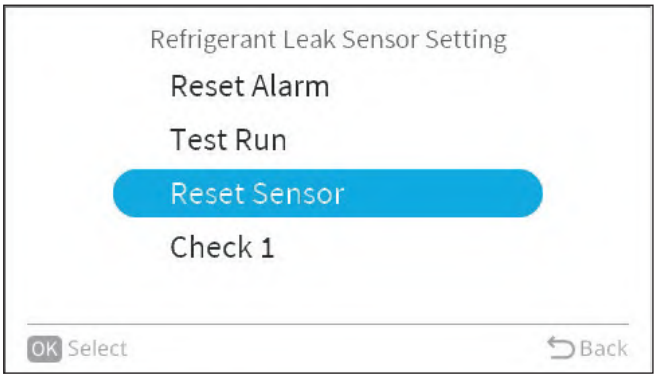


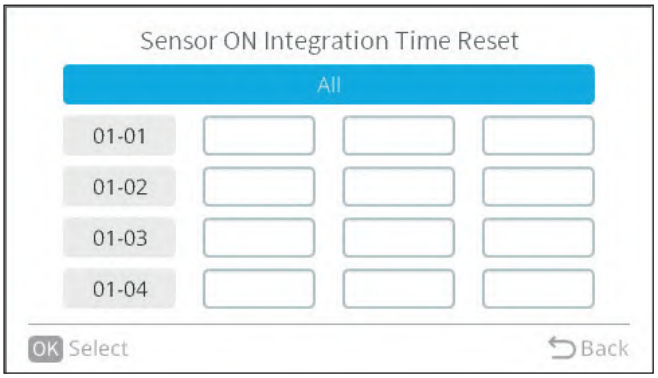


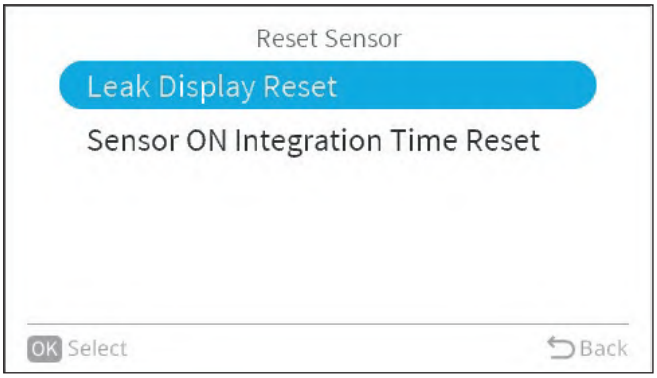


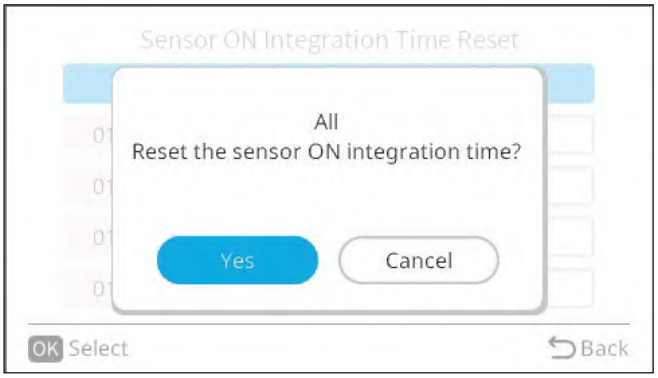

Test Run : 4 Units
Cool
Auto
Indv.
Louver
0min
Test Time
Stop

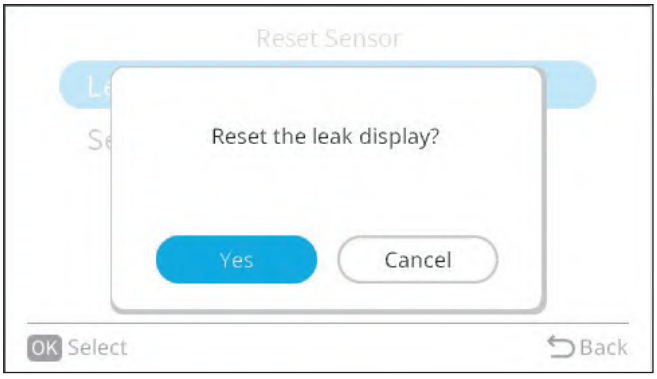

Reset Sensor
Leak Display Reset
Sensor ON Integration Time Reset
OK Select
Back

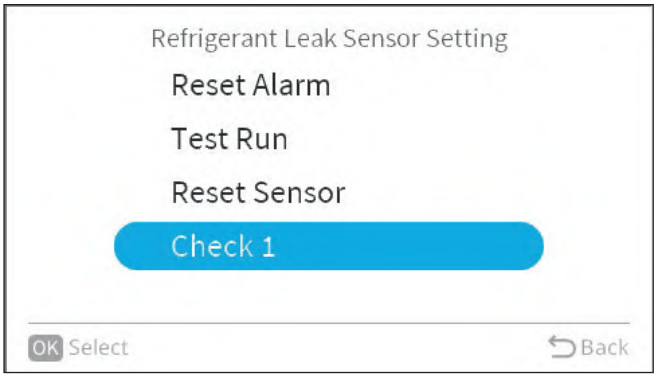

Refrigerant Leak Sensor Setting
Reset Alarm
Test Run
Reset Sensor
Check 1
OK Select
Back

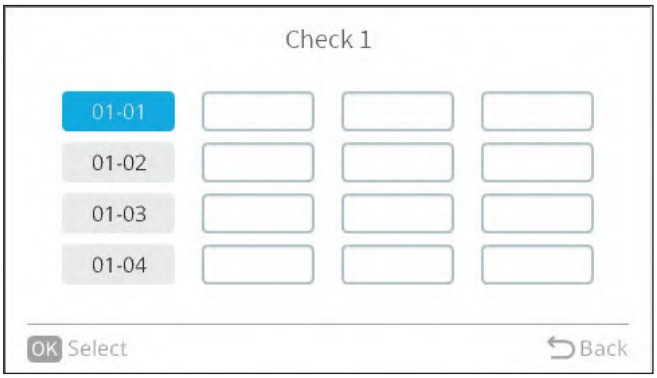

Sensor ON Integration Time Reset
All
01-01
01-02
01-03
01-04
OK Select
Back

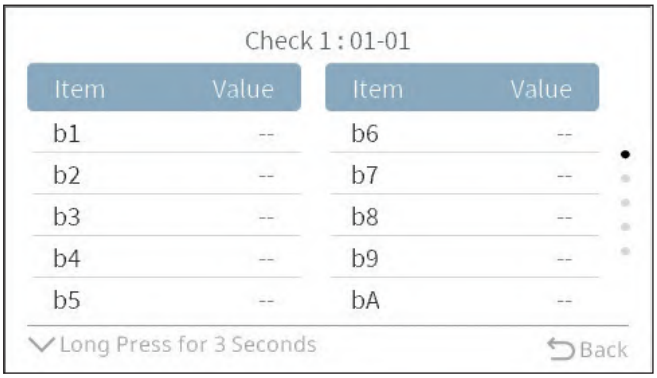

Reset Sensor
Leak Display Reset
Sensor ON Integration Time Reset
OK Select
Back

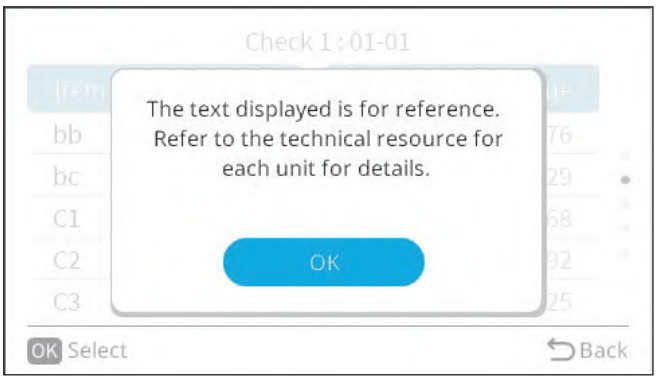

Sensor ON Integration Time Reset
All
Reset the sensor ON integration time?
Yes
Cancel
OK Select
Back


Reset Sensor
Reset the leak display?
Yes
Cancel
OK Select
Back


Refrigerant Leak Sensor Setting
Reset Alarm
Test Run
Reset Sensor
Check 1
OK Select
Back


Check 1
01-01
01-02
01-03
01-04
OK Select
Back


Check 1 : 01-01
Item
Value
Item
Value
b1
--
b6
--
b2
--
b7
--
b3
--
b8
--
b4
--
b9
--
b5
--
bA
--
Long Press for 3 Seconds
Back


Check 1 : 01-01
The text displayed is for reference.
Refer to the technical resource for
each unit for details.
OK
OK Select
Back

6.2 SERVICE MENU

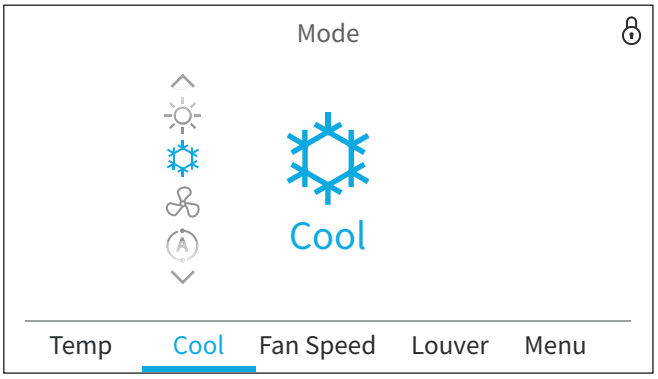
6.2.1 Operation Lock/Unlock Setting

This function disables the setting mode of the remote controller.

In the operation lock, when the lock icon "🔒" lights up, the mode cannot be changed by pressing "^" or "v".

The following four types of setting modes can be locked.

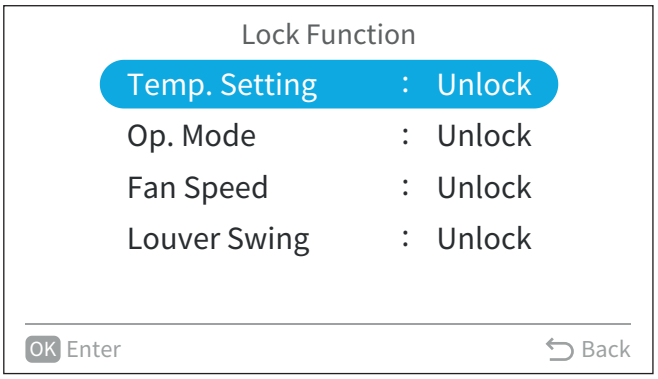
- Temperature Setting (Temp)
- Operation Mode (Mode)
- Fan Speed
- Louver Swing (Louver)



1 In "Service & Installation", select "Service Menu" and press "OK".

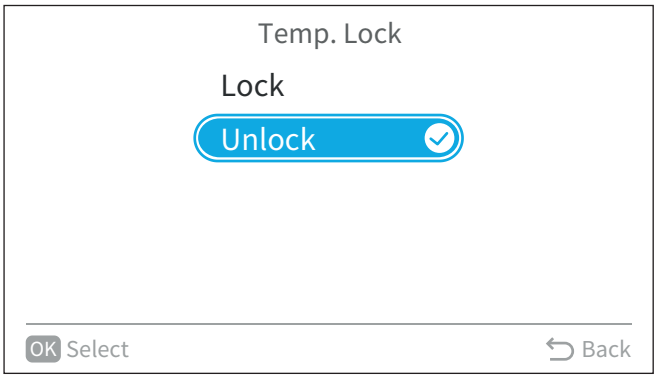
2 Select "Lock Function".

3 Press"^" or "v"and press "OK".
The operation changes as follows:
"Temp. Setting" ↔ "Op. Mode" ↔ "Fan Speed" ↔ "Louver Swing".



4 Press "^" or "v" to select "Unlock" and press "OK" to confirm the setting.

5 Press "⮌" to return to Step3.



NOTE

- *If the function selection (item F8-Fb) is set to not available, ^ is displayed and the setting item cannot be set.*
- *Don't use the operation lock function when remote control is set to "prohibit" on the central controller.*
- *If both the "prohibit lock" and "prohibit remote control" operations are set at the same time, the "prohibit remote control" operation has priority.*
- *If the setting is changed from "prohibit remote control operations" to "permit all remote control operations", all operation locks are released.*

6.2.2 Password Setting

The initial user password can be changed. If you forget the changed user password, a supervisor password can be used to set the user password again. The supervisor password is "5567".

The password input effective time can be set also.

It is not necessary to enter the password for a certain period after setting the password input effective time.

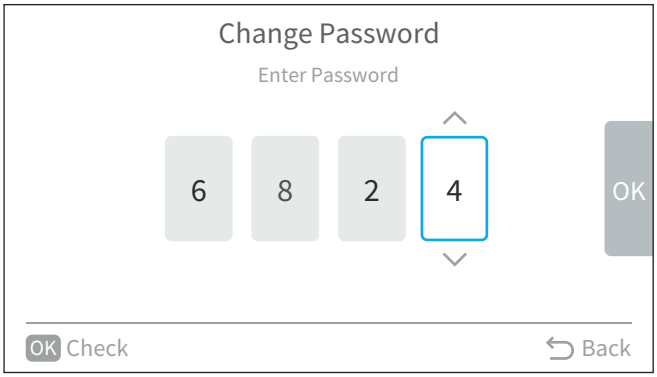
◆ Change Password

1 Select "Service Menu" on the Service & Installation screen and press "OK".

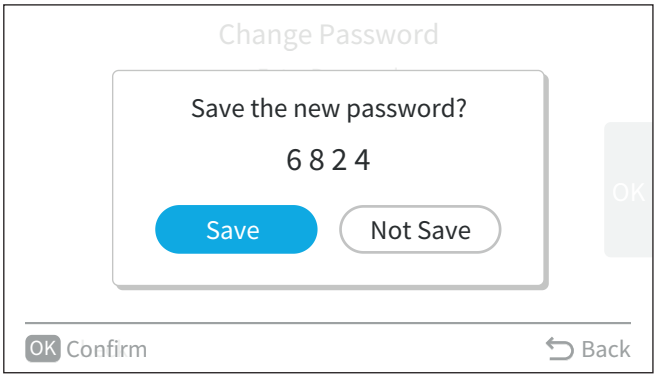
2 Select "Password Setting" and press "OK".

3 Select "Change Password" and press "OK".

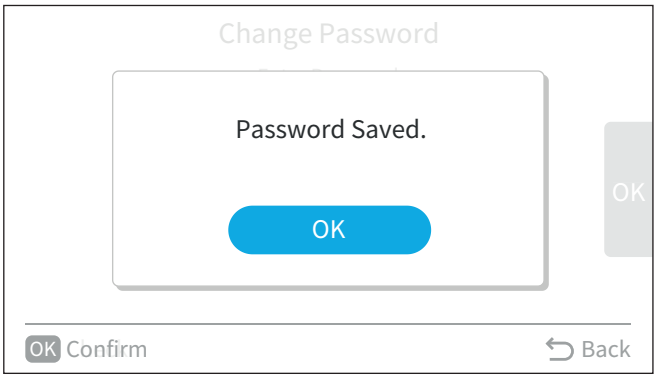
4 Use "^", "v", "<", or ">" to enter the password you want to set, select "OK" and press "OK".



5 Press "^" or "v" to select "Save" and press "OK" to change password.
Select "Not Save", the screen returns to Step3.
Press "↩", the screen returns to Step2.

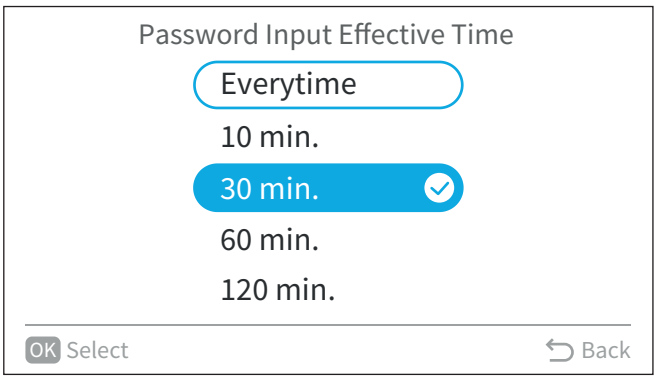


6 Press "OK", the screen returns to Step2.



◆ Set Password Input Effective Time

1 Select "Service Menu" on the Service & Installation screen and press "OK".
2 Select "Password Setting" and press "OK".
3 Select "Effective Time"and press "OK".
4 Press "^" or "v" to select the setting item and press "OK" to confirm the setting. The item changes as follows:
"Everytime" ↔ "10 min" ↔ "30 min" ↔ "60 min" ↔ "120 min".
Press "↩" and it returns to Step3.



NOTE

- *The default password is "0000", and the supervisor code is "5567".*
- *If you forget the password, use the supervisor code to change the password.*
- *The supervisor code can't be changed.*
- *For two remote controllers, the passwords are not synchronized automatically. For each remote controller, the password needs to be set individually.*

6.2.3 Hotel Mode Setting

This setting enables or disables the hotel mode.

1 Select "Service Menu" on the Service & Installation screen and press "OK".
2 Select "Hotel Mode" and press "OK".
3 Press "^" or "v" to select enabled setting.
4 After selecting, press "OK".
5 Select "Yes" and press "OK" to confirm the settings and display the completion screen.
6 If you select "Cancel", the screen returns to Step3.

NOTE

Refer to "Hotel Mode Setting" in "9 Hotel Mode Setting".

6.2.4 Power Saving Details Setting

This function provides the details for setting the power savings function.

For the "Mode", select one item from each of the following settings, outdoor unit capacity control, indoor unit rotation control, and intermittent control.

NOTE

Go to Power Savings Setting from Function Menu. Also refer to "Power Savings Setting" in "5.3.1 Power Savings Mode Setting" for details.

Item	Function
Capacity Control	Suppress the heating and cooling capacity of the indoor unit. Set control mode and power savings level with its corresponding value.
Rotation Control	Interlock with indoor units of the same outdoor unit system and switch to FAN operation in sequence. Set control mode and fan mode time.
Intermittent Control	Cooling/heating mode and fan mode are repeated at regular intervals. Set power savings level.
Reset Default	Initialize the power saving details settings.

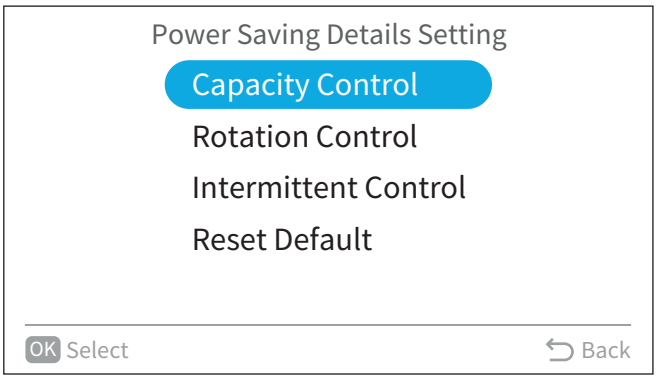
◆ Outdoor Capacity Control Setting

Item	Description
Control Method	The "Peak Cut Control" reduces the power consumption range when it exceeds the value of the power setting. On the basis of the current air conditioning capacity, the "Moderate Control" is used to moderate the air conditioning capacity as well as the peak.
Power Savings Low (Med/High)	Assign the corresponding capacity control values to the low, medium, and high power savings levels.
Change Level	The power saving details setting can change the power savings levels.

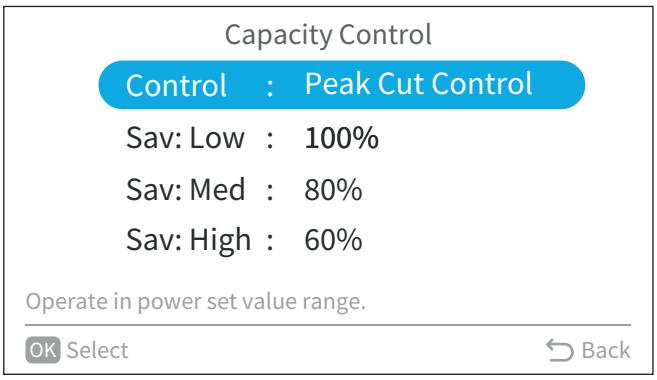
1 Select “Service Menu” on the Service & Installation screen and press “OK”.

2 Select “Power Saving Details Setting” and press “OK”.

3 Select “Capacity Control” and press “OK”.

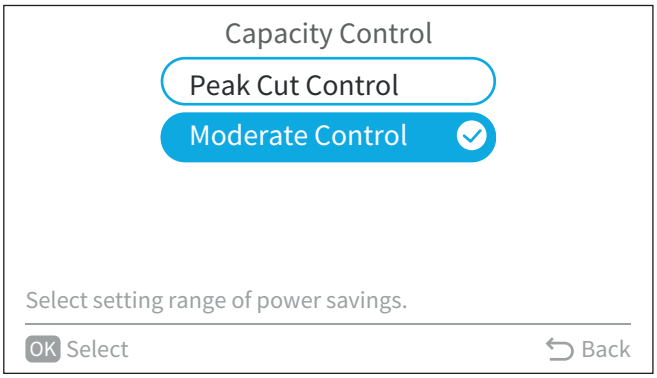


4 Press “^” or “v”.
The items “Control” ↔ “Sav: LOW” ↔ “Sav: MED” ↔ “Sav: HIGH” are displayed in order.
Press “⮌” to move to *“Change level”*.



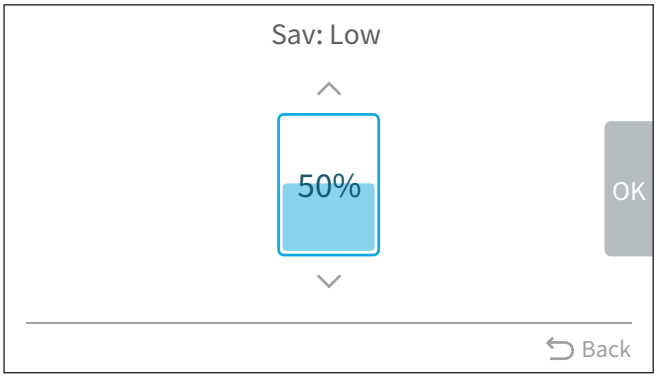
Change the Control Method

Select “Control”and press”OK”.
Press “^” or “v” to select the item to set and press “OK”.
It changes between “Peak Cut Control” and “Moderate Control”.
Press “⮌” to return to Step 4.



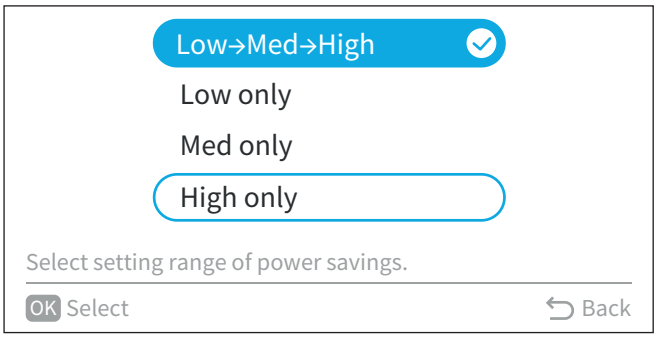
Change the power savings level

Select “Sav: LOW (MED/HIGH)” and press “OK”.
Press “^” or “v” to set the level.
→ The level changes as follows: [100%] ↔ [90%] ↔ [80%] ↔ [70%] ↔ [60%] ↔ [50%] ↔ [40%] ↔ [0%].
After setting, select “OK” and press “OK” and it returns to Step3.



Change level

Press “^” or “v” to select the item to set and press “OK”.
It changes in the order of “LOW → MED → HIGH” ↔ “LOW only” ↔ “MED only” ↔ “HIGH only”.
Press “⮌” to return to Step 3.



NOTE

- *For the sub remote controller, only the level switching order can be set.*
- *If the “Power Savings Mode” changes the “Power Saving Details Setting” in outdoor capacity control, the “Power Savings ON/OFF” turns OFF.*
- *The outdoor capacity can be clarified as “Low Power Savings “ > “Med Power Savings” > “High Power Savings”.*
- *The cooling/heating capacity can decrease when using the “Power Savings” function.*

◆ Indoor Unit Rotation Control Setting

Item		Description
Control Method	Address Order	The number (address) assigned by the previous indoor unit changes the FAN mode of the indoor unit in ascending order.
	Temperature Order	The difference between the temperature setpoint and the indoor unit intake temperature changes the FAN mode in ascending order for the indoor unit.
	Sensor Order(*)	If the motion sensor is used, this function changes the FAN mode in order, from the indoor unit in a spacious area with few people.
Change Level		It is possible to change the timing of the FAN operation of the indoor unit.

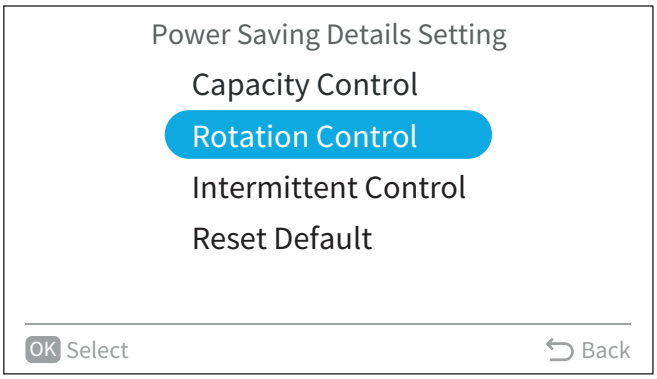
NOTE

(*)Cannot be set if the indoor/outdoor unit does not support this function.

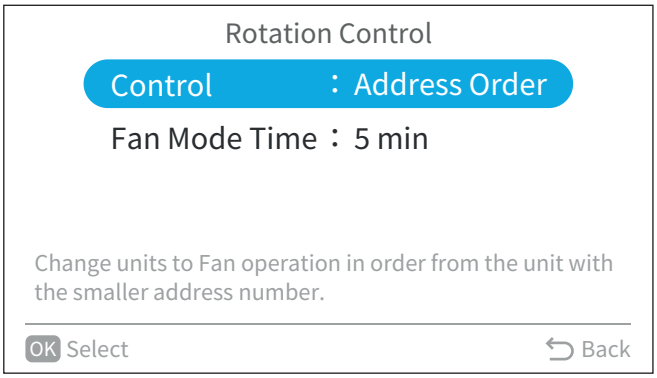
1 Select “Service Menu” on the Service & Installation screen and press “OK”.

2 Select “Power Saving Details Setting” and press “OK”. Power Saving Details Setting screen is displayed.

3 Select “Rotation Control” and press”OK”.



4 Press “^” or “v” to select the setting item. The items “Control” and “Fan Mode Time” are displayed in order.

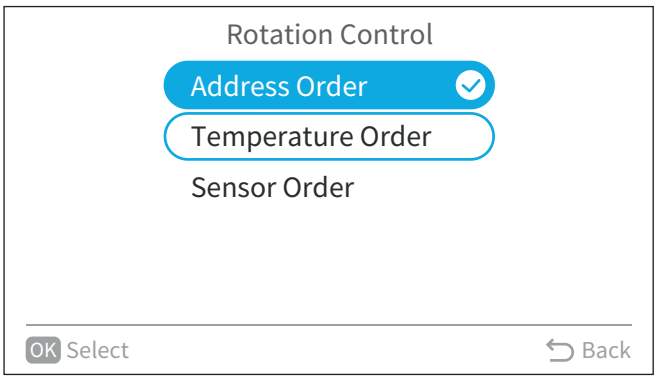


Change the Control Method

- Select “Control” and press “OK”.
- Press “^” or “v” to select the item to set and press “OK”. It changes as follows: “Address Order” ↔ “Temperature Order” ↔ “Sensor Order”.
- Press “⮌” to return to Step4.

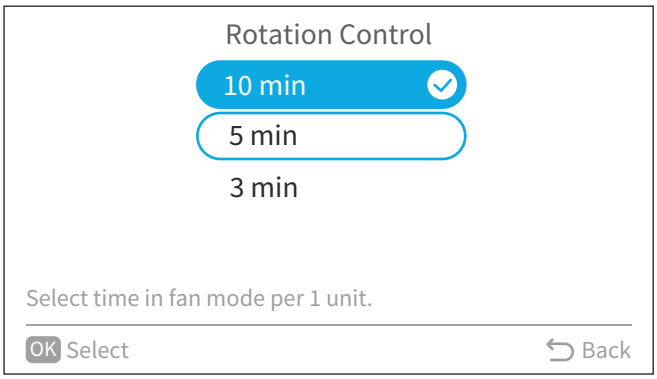
NOTE

Cannot be set if the indoor/outdoor unit does not support this function.



Change the Fan Mode Time

- Select “Fan Mode Time” and press “OK”.
- Press “^” or “v” to set the fan mode time. Press “OK” to confirm the setting. It changes as follows: “10 min” ↔ “5 min” ↔ “3 min”.
- Press “⮌” to return to Step4.



NOTE

- *Indoor rotation control cannot be set for the sub remote controller.*
- *If the “Power Saving Mode” changes the “Power Saving Details Setting” in outdoor capacity control, the “Power Saving ON/OFF” turns OFF.*
- *This function can be used only when the operation mode is cooling/heating.*
- *The cooling/heating capacity can decrease when using the “Power Saving” function.*

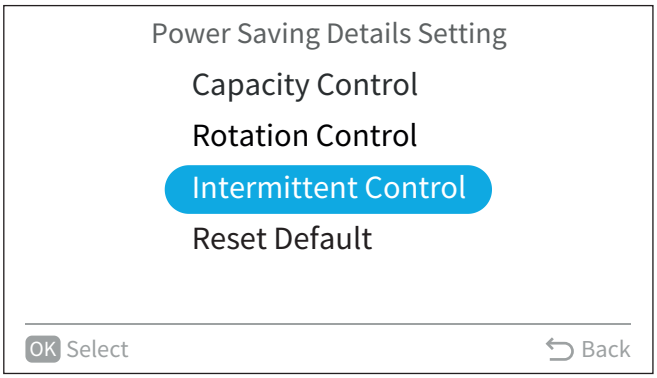
◆ Intermittent Control Setting

Item	Description
Level Change	The power saving details settings can change the power savings level.

1 Select “Service Menu” on the Service & Installation screen and press “OK”.

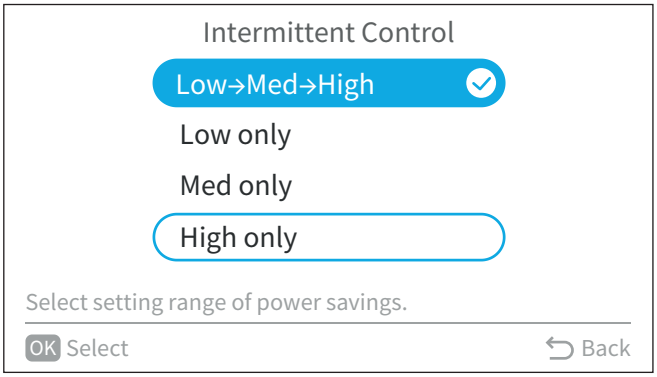
2 Select “Power Saving Details Setting” and press “OK. Power Saving Details Setting screen is displayed.

3 Select “Intermittent Control” and press “OK”.



Change level

- Press “^” or “v” to select the level and press “OK”.
- It changes as follows: “LOW → MED → HIGH” ↔ “LOW only” ↔ “MED only” ↔ “HIGH only”.
- Press “⮌” to return to Step3.



NOTE

- *This function cannot be set when only the total heat exchanger is connected.*
- *Each power savings level repeats the operation as follows:*

	Cool/Dry Mode	Heat Mode
Power Saving : LOW	Normal Mode 20 minutes ⇔ Fan Mode 10 minutes	Normal Mode 25 minutes ⇔ Fan Mode 5 minutes
Power Saving : MED	Normal Mode 17 minutes ⇔ Fan Mode 13 minutes	Normal Mode 20 minutes ⇔ Fan Mode 10 minutes
Power Saving : HIGH	Normal Mode 15 minutes ⇔ Fan Mode 15 minutes	Normal Mode 15 minutes ⇔ Fan Mode 15 minutes

- *If the “Power Savings Mode” changes the “Power Saving Details Setting” in intermittent control, the “Power Saving ON/OFF” turns OFF.*
- *The cooling/heating capacity can decrease when using the “Power Saving” function.*

◆ Reset method

Reset power saving details setting to default values

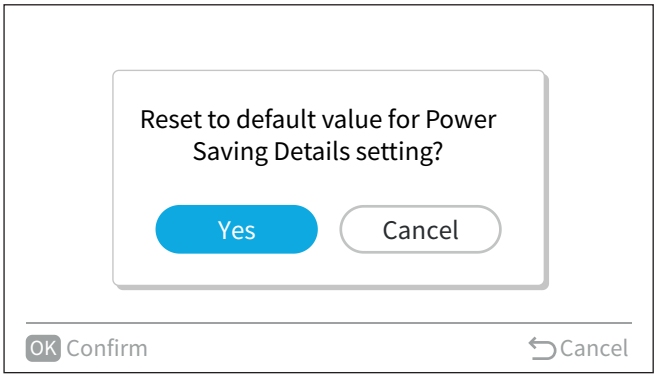
1 Select “Service Menu” on the Service & Installation screen and press “OK”.

2 Select “Power Saving Details Setting” and press “OK.

3 Select “Reset Default” and press “OK”.

4 Select “Yes” and press “OK”, reset the power saving details to default and return to Step2.

5 Select “Cancel” and press “OK”, return to Step2.



6.2.5 Temperature Range Restriction

The temperature range can be set by operating the remote controller.

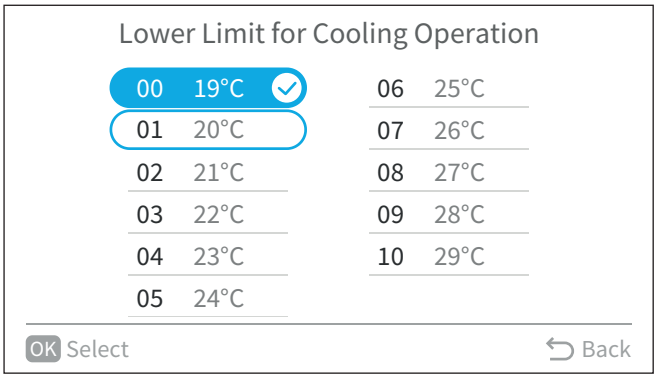
1 Select “Service Menu” on the Service & Installation screen and press “OK”.

2 Select “Temperature Range Restriction” and press “OK”.

3 Select “Lower Limit for Cooling Operation” or “Upper Limit for Heating Operation” and press “OK”.

4 Press “^”, “v”, “<”, or “>” to select the setting value and press”OK”.

5 Press “⮌” to return to Step3.



NOTE

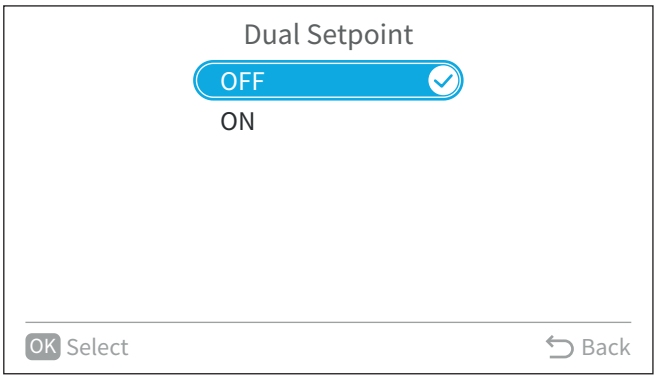
Settable temperature range varies depending on the type of indoor unit or outdoor unit.

6.2.6 Dual setpoint setting

The setting allows you set the temperature of cooling and heating individually.

To use this function, refer to the Item b8 to enable auto function in function selection.

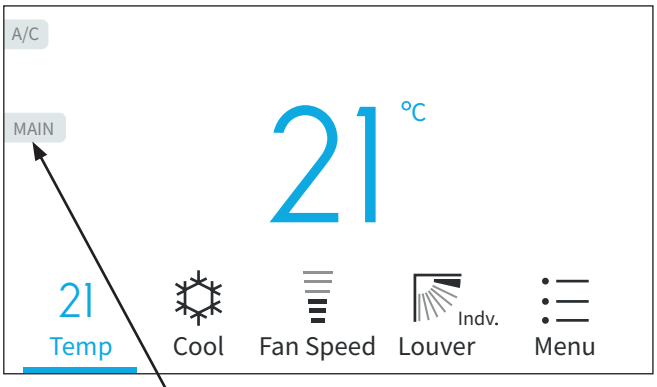
1 Select “Service Menu” on the Service & Installation screen and press “OK”.
2 Select “Dual Setpoint” and press “OK”.
3 Press “^” or “v” to select “ON” or “OFF”.
4 Press “OK” to confirm the setting.
5 Press “⮌” to return to Step2.



6.2.7 Main/Sub Display Setting

The main or sub display of the remote controller can be turned off.

1 Select “Service Menu” on the Service & Installation screen and press “OK”.
2 Select “Main/Sub Display” and press “OK”.
3 Press “^”, “v”, “<”, or “>” to select “Not Display”.
4 Press “OK” to confirm the setting.
5 Press “⮌” to return to Step2.

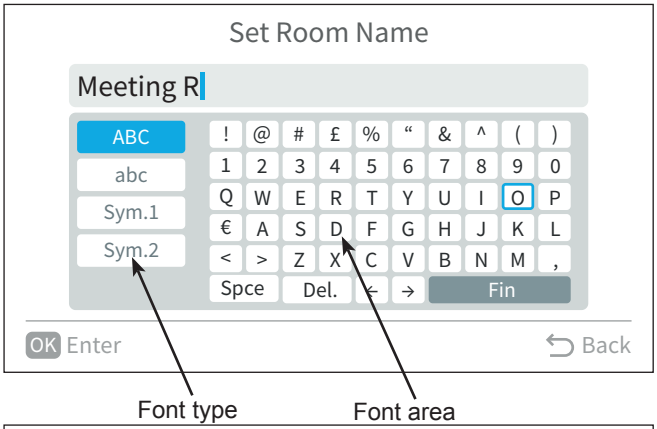


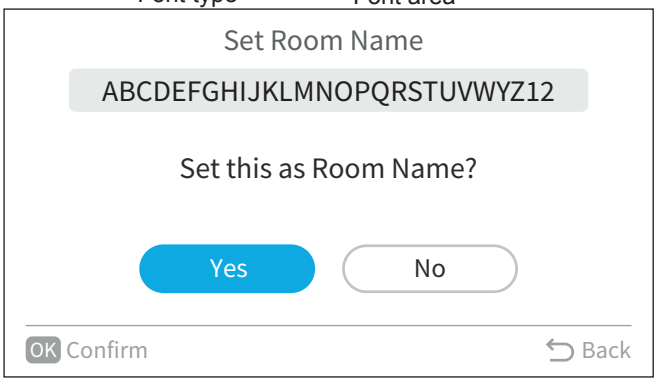
With Priority Setting	Without Priority Setting
Main	No icon
Sub	

6.2.8 Room Name Setting

Register the installation location of the controller.

1 Select “Service Menu” on the Service & Installation screen and press “OK”.
2 Select “Set Room Name” and press “OK”.
3 Press “<” to move cursor to font type. Press “^” or “v” to select the font type.
*Each time you want to change the font type, move cursor to the start of the line and press “<” to move the cursor back to font type.
4 Press “>” to move the cursor to the font area. Press”^”, “v”, “<”, or “>” to select the font and press “OK” to register it.(Up to 32 characters can be registered.)
5 After registration, select “Fin” and press “OK”.
6 The confirmation screen is displayed. Select “Yes” and press “OK” to confirm the settings and Step2 is displayed.
If “No” is selected, the screen returns to Step3.





6.2.9 Contact Information Registration

Register a service contact (service address and service telephone number are recommended).

1 Select “Service Menu” on the Service & Installation screen and press “OK”.

2 Select “Set Contact Information” and press “OK”.

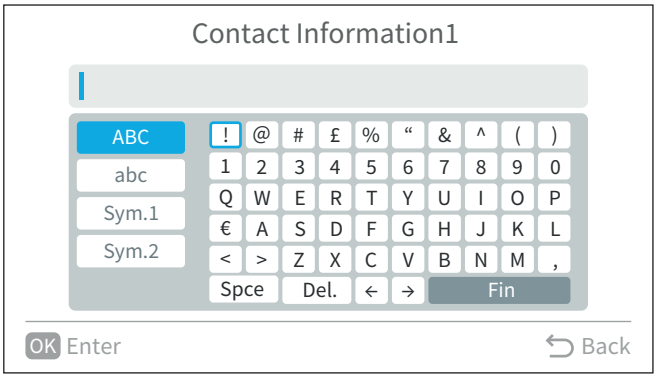
3 “Contact Information1” screen is displayed. Press “<” to move cursor to font type. Press “^” or “v” to select the font type. *Each time you want to change the font type, move cursor to the start of the line and press “<” to move the cursor back to font type.

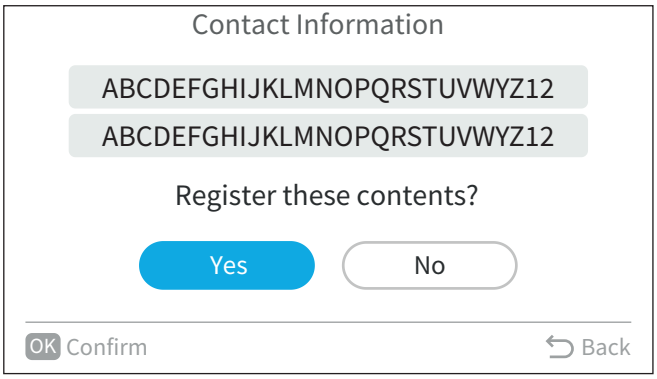
4 Press “>” to move cursor to the font area. Press”^”, “v”, “<”, or “>” to select the font and press “OK” to register it.(Up to 60 characters can be registered.)

5 After registration, select “Fin” and press “OK”.

6 “Contact Information2” screen is displayed, repeat Step3, Step4 and Step5.

7 Select “Yes” and press “OK” to confirm the setting and Step2 is displayed.
If “No” is selected , the screen returns to Step3.

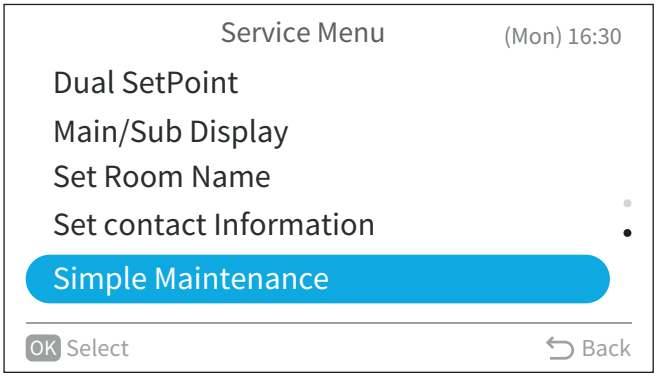




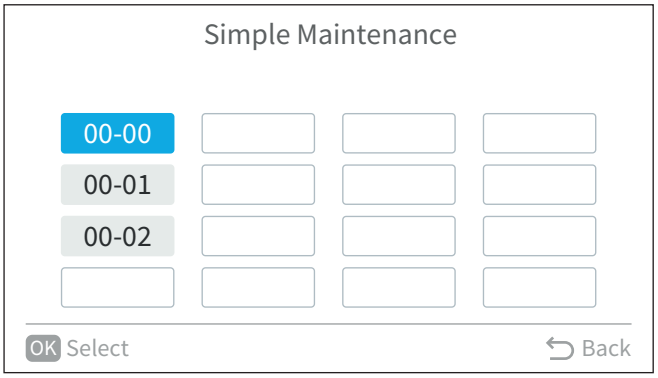
6.2.10 Simple Maintenance

If the Function Selection “JA” is “01”, various operation times of the air conditioner and some items of the check mode can be displayed from the “Service Menu”.

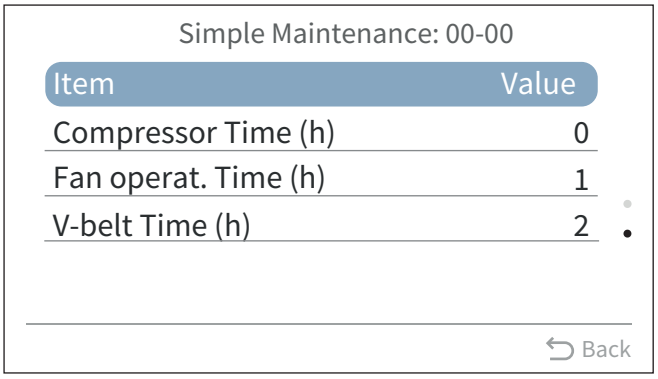
1 Select “Simple Maintenance” on the “Service Menu” screen and press “OK”.



2 Press “^”, “v”, “<”, or “>” to select the indoor unit. Press “OK”. If there is only one indoor unit connected to the wired remote controller, this screen is not displayed. (The screen of Step3 is shown.)



3 Press “^” or “v” to change the page of Simple Maintenance data



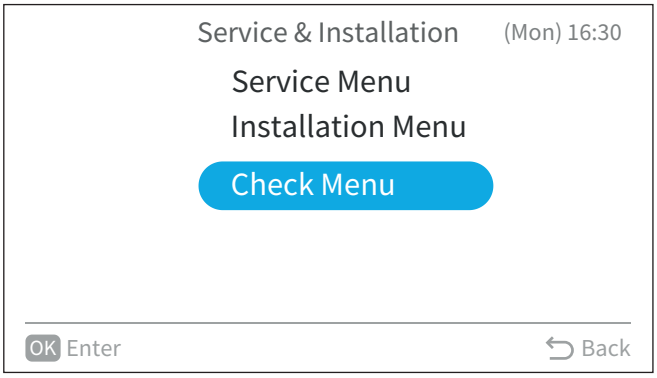
◆ List of Simple Maintenance Function

No.	Item	Note
1	Compressor Time	Some units do not support this function.
2	Fan operation time	
3	V-belt Time	
4	Inlet Air Temperature	Corresponds to item “b2” in Check 1.
5	Outlet Air Temperature	Corresponds to item “b3” in Check 1.
6	IDU Liquid Piping Temperature	Corresponds to item “b4” in Check 1.
7	IDU Gas Piping Temperature	Corresponds to item “b7” in Check 1.
8	Outdoor Temperature	Corresponds to item “b6” in Check 1.
9	Outdoor Unit Pipe Temperature	Corresponds to item “b8” in Check 1.
10	Compressor Temperature	Corresponds to item “bA” in Check 1.
11	Discharge	Corresponds to item “H1” in Check 1.
12	Inlet Pressure	Corresponds to item “H2” in Check 1.
13	Compressor Current	Corresponds to item “P1” in Check 1.

6.3 CHECK MENU

This menu displays various statuses of the air conditioner.

1 Select “Check Menu” on the Service & Installation screen and press “OK”.



Each “Check Menu” item and its function is explained in the following table.

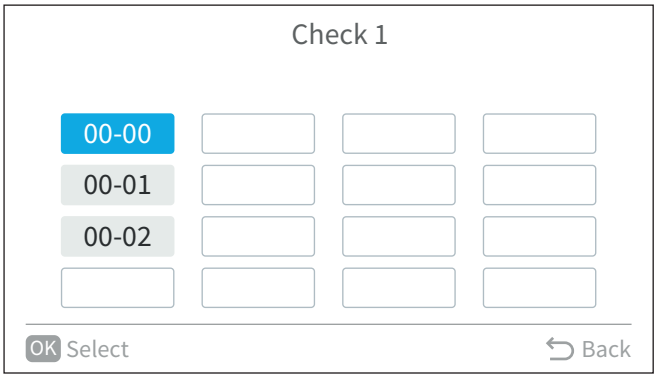
Item	Function
Check 1	Sensor condition of the heat pump are monitored and displayed.
Check 2	Sensor data from the heat pump prior to alarm occurrence is displayed.
Alarm History Display *	Previous alarm history data including date, time, indoor unit number, and alarm code is displayed. (30 Max) The alarm history can be deleted.*
Display Model Number	Model name and manufacturing number are indicated.
Check PCB of the Units	The result and diagnosis of PCB check is displayed.
Self Check	The controller checkout process begins and various settings initialize.

NOTE

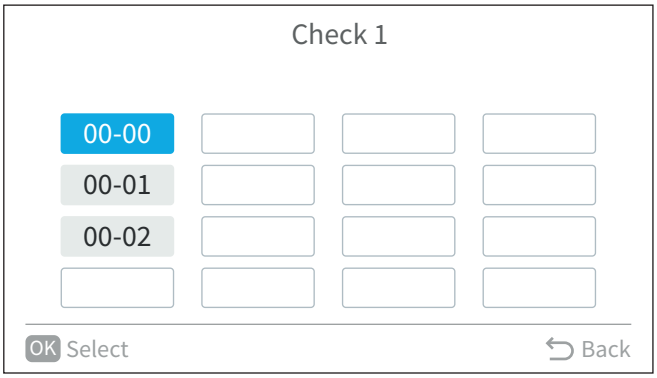
- ** Press “OK” while the alarm history is displayed, the confirmation screen for deleteing the alarm history is displayed.*
- *Select “Yes” and press “OK” to delete the alarm history.*

6.3.1 Check 1 / Check 2

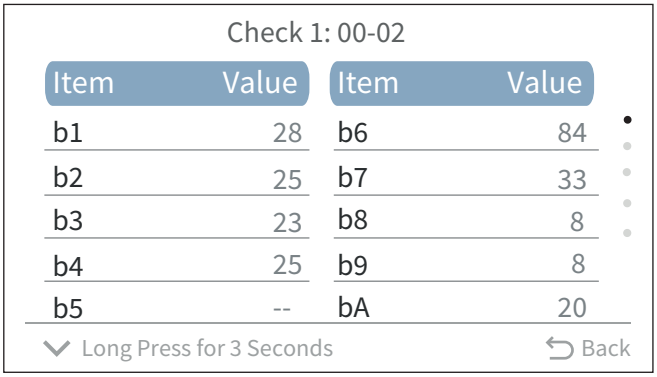
1 Select “Check 1” or “Check 2” on the “Check Menu” screen and press “OK”.



2 Press "^", "v", "<", or ">" to select the indoor unit. Press "OK". If there is only one indoor unit connected to the wired remote controller, this screen is not displayed. (The screen in Step 3 is shown.)



3 Press "^" or "v" to change the page of check data.



NOTE

By pressing and holding "v" for 3 seconds or longer, the items are displayed in the language set currently. The text displayed is for reference. Refer to the technical resource for each indoor unit for details.

◆ Checking the current operating condition

Contents in Check 1

Temperature Status Display			
1	Set Temp.	b1	22
2	Inlet air temperature	b2	20
3	Outlet air temp	b3	55
4	Liquid pipe temp.	b4	20
5	Remote thermistor temperature	b5	25
6	Outdoor temp.	b6	10
7	Gas pipe temperature	b7	25
8	Evaporating temp. at heating	b8	02
9	Control information	b9	--
	Condensing temp. at cooling	b9	06
10	Comp. top temperature	bA	41
11	Thermo temp. of wired controller	bb	23
12	Control information	bC	00
Unit control display			
13	I.U Micro-computer	C1	ϟ
14	O.U Micro-computer	C2	-
15	I.U Control software number	C3	0000

Continue to next page

When Dual Setpoint is set, the setting temperature for auto mode is indicated.

Normal ------- Temperature indication

Abnormal — Or
- -- — Thermistor is disconnected or PCB is broken
- 00 (for "10 Comp. top temp." only)
- FF — Thermistor is short circuited or PCB is broken

→ Wired remote controller checks connection parts on PCB

NOTE

During transition such as start-up, "--" may be indicated temporarily.

The value is indicated only when the remote thermistor is installed. Otherwise "--" is indicated.

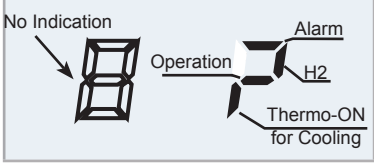
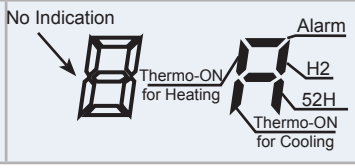
For the indoor unit with multiple thermistors for Evaporating Temperature at Heating, the minimum temperature is indicated.

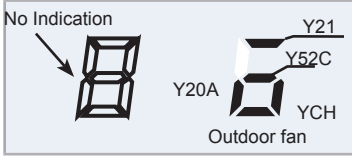
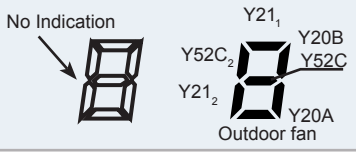
The internal information of the wired remote controller is indicated. For multi-type indoor units, the number of running compressors is indicated.

The inlet gas temperature is indicated.

"FF" is indicated if the temperature is above 201ºC. For the indoor unit installed with multiple compressors, the average temperature of the running compressor is indicated.

For flexible multi-type, the value of Inverter Compressor in Unit A is indicated.

Segments Indication	
Cool only type unit	Cool heat type unit
	

Segments Indication	
Tenant type unit (except for multi-type unit)	Multi-type unit
	

NOTE

If the (output) relay is not listed depending on the type of the indoor unit, there is no indication.

Continue from previous page

Stopping cause state indication			
16	Stopping cause state indication	d1	01

Continue to next page

Refer to “Cause of Indoor Unit Stoppage”

◆ Cause of Stoppage

Code	Cause
01	Operation OFF, Power OFF
02	Thermo-OFF
03	Alarm*1
04	Freeze Protection, Overheating Protection
05	Instantaneous Power Failure at Outdoor Unit/Reset*2
06	Instantaneous Power Failure at Indoor Unit/Reset*3
07	Stoppage of Cooling Operation due to Low Outdoor Air Temp. Stoppage of Heating Operation due to High Outdoor Air Temp.
09	Stoppage of Reversing Valve Switching Control
10	Demand Enforced Stoppage
11	Retry due to Pressure Ratio Decrease
12	Retry due to Low Pressure Increase
13	Retry due to High Pressure Increase
14	Retry due to Abnormal Current of Constant Speed Compressor
15	Retry due to Vacuum Abnormality, Discharge Gas Temp. Increase
16	Retry due to Decrease of Discharge Gas Superheat
17	Retry due to Inverter Tripping
18	Retry due to Voltage Decrease, Other Retry of Inverter
19	Expansion Valve Opening Change Protection
20	Operation Mode Difference between IDU and ODU/ Stoppage of Operation Mode Switching during Operation
21	Enforced Thermo-OFF*4
22	Enforced Thermo-OFF (Hot Start Control at Crankcase Heater Preheating)
23	Enforced Stoppage of compressor due to DIP switch (DSW) Setting
24	Thermo-OFF during Energy-Saving Operation
26	Retry due to High Pressure Decrease
27	Retry due to Operation of Outdoor Blower Protector
28	Stoppage due to Outlet Temp. Decrease in Cooling
29	Retry due to Abnormal Current during MS Motor Synchronous Operation
30	Stoppage of Thermo-OFF due to Compressor Excepting
32	Retry due to Abnormal Transmission of Outdoor Unit
33	Enforced Thermo-OFF due to Enforced Cleaning Operation
34	Stoppage of Thermo-OFF by Motion Sensor
35	Retry due to Abnormal Refrigeration Cycle
36	Retry after Defrosting Operation

NOTE

- **1 Even if stoppage Alarm “02” is not always indicated. If the unit is thermo-OFF due to another cause of stoppage prior to alarm occurrence, the code of the cause remains.*
- **2 The outdoor unit equipped with an inverter resets ODU Micro-Computer if the transmission between inverter PCB and outdoor unit PCB is interrupted for 30 seconds. Therefore, the stoppage cause code when Alarm 04 occurs may be “05”.*
- **3 IDU Micro-Computer is reset if the transmission between the indoor unit and the outdoor unit is interrupted for 3 minutes. Therefore, the stoppage cause code when Alarm 03 occurs may be “06”.*
- **4 If the stoppage cause code “21” is indicated on the indoor unit of twin, triple, or quad, check the stoppage cause of other indoor unit numbers.*

Continue from previous page

Abnormality counter			
17	Times of abnormality	E1	01
18	Times of power failure	E2	00
19	Times of abnormal transmitting (remote controller-outdoor unit)	E3	00
20	Times of inverter tripping	E4	00

This number is incremented when transmission error occurs between Wired Remote Controller and Indoor units and the error remains for 3 minutes or longer.

The maximum count is 99. (99 is indicated for 99 or more)

Control Information Display			
21	Control information	F1	00

Pressure / Frequency			
22	Discharge Pressure	H1	18
23	Inlet pressure	H2	04
24	Control Information	H3	44
25	Operating frequency (Hz)	H4	44

For units without high pressure sensor, the value for H1 is a control information. Unit is (×0.1MPa). Value for unit A is shown for multi-type units.

For units without high pressure sensor, the value for H2 is a control information. Unit is (×0.1MPa). Value for unit A is shown for multi-type units.

Internal information of Wired Remote Controller is shown.

Operating frequency of the compressor is shown. (Max. number for this item is 255) For units without inverter compressor, the value for H4 is a control information.

Indoor unit capacity / Model / System number display			
26	Indoor unit capacity	J1	08
27	Outdoor unit model	J2	F.01
28	System number	J3	01
29	System number	J4	00

Indoor unit capacity code

Model code	
Indication	Model
H	Heat pump
P	Inverter
F	Multi (SET-FREE)
C	Cooling only
E	Other
b	IVX, individual operation
L	KPI

**1: n indicates the quantity of the indoor units that are connected to the system (n=01-16). "E.00" is shown if communication error is occurred between indoor units and outdoor units.*

**2: For former outdoor units (models before 2010 April), "P" is shown.*

J3:01-64 (Set the shipping status of RSW5 to 01 and decimal representation)

J4:00-3F(Set the shipping status of RSW5 to 00 and hexadecimal representation)

Code	Indoor unit capacity number	Equivalent horse power
06	22	0.8
08	28	1.0
10	36	1.3
11	40	1.5
13	45	1.8
14	50	2.0
16	56	2.3
18	63	2.5

Code	Indoor unit capacity number	Equivalent horse power
20	71	2.8
22	80	3.0
26	90	3.3
32	112	4.0
40	140	5.0
48	160	6.0
64	200 - 224	7.5 - 8.0
80	280	10.0

Continue to next page

Continue from previous page

Electronic Expansion Valve			
30	IDU Electronic Expansion Valve (%)	L1	20
31	ODU Electronic Expansion Valve (%)	L2	99
32	ODU Electronic Expansion Valve 2 (%)	L3	99
33	ODU Electronic Expansion Valve B (%)	L4	00
Compressor status (reference)			
34	Compressor Current (A)	P1	20
35	Compressor Time	P2	00000
Sensor Status Display			
36	Motion Detector Sensitivity (%)	q1	00
37	Radiant temp. sensor (ºC)	q2	00
38	Motion Detector 1 Sensitivity (%)	q3	00
39	Motion Detector 2 Sensitivity (%)	q4	00
40	Motion Detector 3 Sensitivity (%)	q5	00
41	Motion Detector 3 Sensitivity (%)	q6	00
42	Setting Temp. Collected value (ºC)	q7	00

For flexible multi-type, the value of Unit A is indicated.

The total value is displayed if multiple compressors are operating.
Primary (input) current is displayed for inverter compressor.

Possible longest time is shown for multi-type units.

Continue to next page

◆ Data just before the latest failure

Contents of Check 2

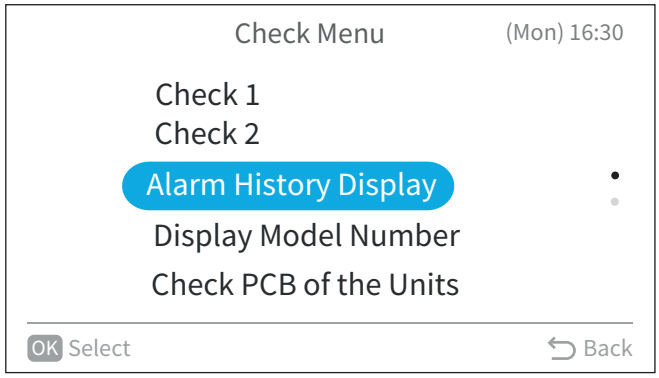
Press "∨" to go to the next page. Press "∧" to go to the previous page.

Continue from previous page				
⇩				
Temperature Status Display				
1	Inlet Air Temperature	q1	23	→ Corresponds to item "b2" in Check 1.
⇩				
2	Outlet Air Temperature	q2	50	→ Corresponds to item "b3" in Check 1.
⇩				
3	IDU Heat Exchanger Liquid Piping (frozen) Temperature	q3	25	→ Corresponds to item "b4" in Check 1.
⇩				
4	Outdoor Temperature	q4	12	→ Corresponds to item "b6" in Check 1.
⇩				
5	Gas Pipe Temp.	q5	25	→ Corresponds to item "b7" in Check 1.
⇩				
6	Evaporating Temp. at Heating	q6	03	→ Corresponds to item "b8" in Check 1.
⇩				
7	Control Information	q7	--	→ Corresponds to item "b9" in Check 1.
⇩				
8	Compressor temperature	q8	45	→ Corresponds to item "bA" in Check 1.
⇩				
Pressure / Frequency				
⇩				
9	Discharge Pressure	q9	18	→ Corresponds to item "H1" in Check 1. Unit is (×0.1MPa).
⇩				
10	Inlet Pressure	qA	04	→ Corresponds to item "H2" in Check 1. Unit is (×0.1MPa).
⇩				
11	Control Information	qb	44	→ Corresponds to item "H3" in Check 1.
⇩				
12	Operating Frequency (Hz)	qC	44	→ Corresponds to item "H4" in Check 1.
⇩				
Electronic Expansion Valve				
13	IDU Electronic Expansion Valve (%)	qd	20	→ Corresponds to item "L1" in Check 1.
⇩				
14	ODU Electronic Expansion Valve1 (%)	qE	99	→ Corresponds to item "L2" in Check 1.
⇩				
Current Value (reference)				
15	Compressor Current (A)	qF	20	→ Corresponds to item "P1" in Check 1.

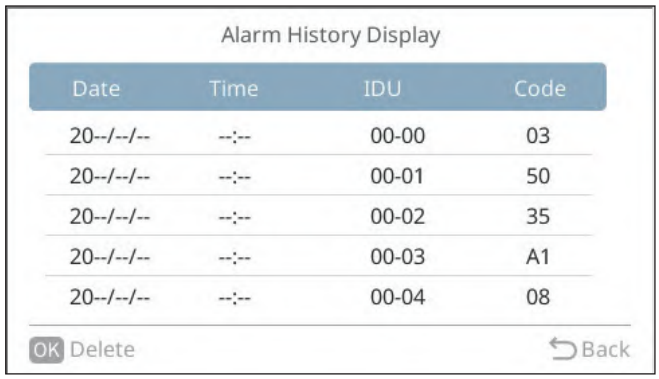
6.3.2 Alarm History Display

Alarm history can be browsed and deleted.

1 Select “Alarm History Display” on “Check Menu” and press “OK”.



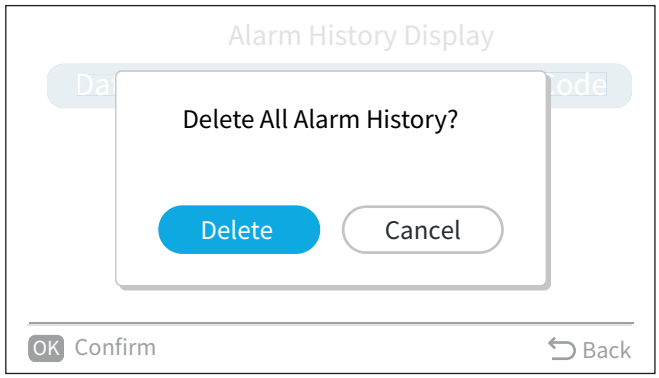
2 Press “^” or “v” to change”Alarm History Display” page.



3 Press “OK” to delete alarm history, confirmation window appears.

Select “Delete” and press “OK”. Alarm history is deleted and the screen returns to Step2.

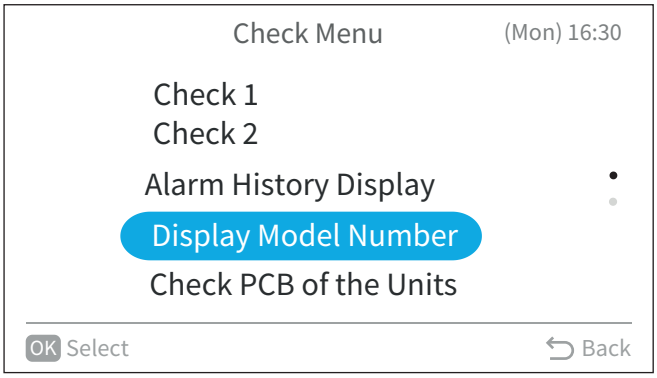
When “Cancel” is selected, the screen returns to the Step2.



6.3.3 Model display function

Model type, unit type, and unit number are shown.

1 Select “Display Model Number” on “Check Menu” and press “OK”.



2 System and Address.

System and address of the indoor units that are connected to Wired Remote Controller are shown in a list.

Selected indoor unit is highlighted.

The following information on indoor units that are connected to Wired Remote Controller are shown in turn.

a. System and address

b. Model type number of the outdoor unit

c. Model type and unit number of the indoor unit

d. Model type and unit number of the outdoor unit

If multiple indoor units are connected to the Wired Remote Controller, (**a**) to (**d**) are shown in turn for each indoor unit.

After showing all information for all indoor units, check menu screen is automatically shown.

3 Model type of the outdoor unit is shown on right bottom of the screen.

Indication	Model type
b	PAC inverter models (independent operation unit (including single unit))
F	PAC inverter models (*)(simultaneous operation unit (including single unit)) Multi-types (Cool and heat/ Cooling only)
U	Air conditioners for facility (RCS constant speed type) Temp Clean air conditioner (Standard)
C	Cooling only unit
L	Total Heat Exchanger
U1	Temp Clean air conditioner (intermediate temp.)
o1	Intermediate temperature air conditioners for industrial use Air conditioners for facility (separate type) (Remote controller inverter type) Large floor type
E	Others

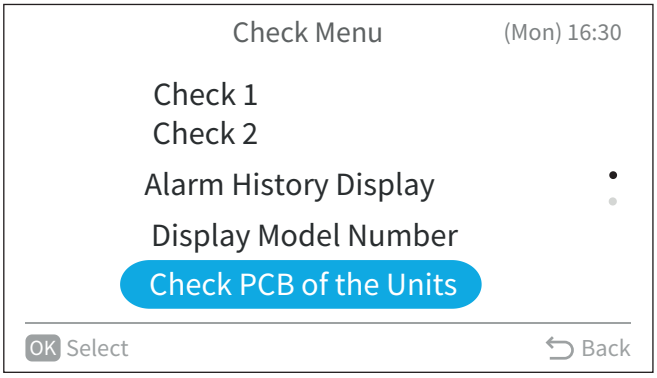
** For former outdoor units (models before 2010 April), “P” is shown.*

4 Unit number of the indoor unit/outdoor unit is shown on right bottom of the screen. (Note that not all units show the model type or unit number.) Unit number consists of 8 numbers but only the last 6 numbers are shown on Wired Remote Controller.

6.3.4 Check PCB of the Units

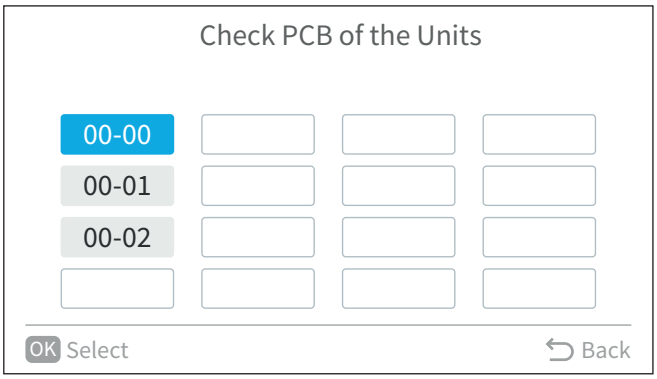
This function is used to Self check the PCB of the indoor and outdoor units.

1 Select “Check PCB of the Units” on the “Check Menu” screen and press “OK”.

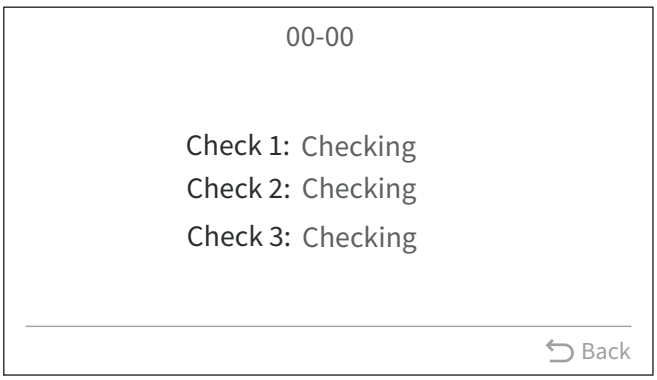


2 Press “^”, “v”, “<”, or “>” to select the indoor unit. Press “OK”.

If there is only one indoor unit connected to the wired remote controller, this screen is not displayed. (The screen in Step3 is shown.)



3 Check result is shown.



◆ **Unit check result**

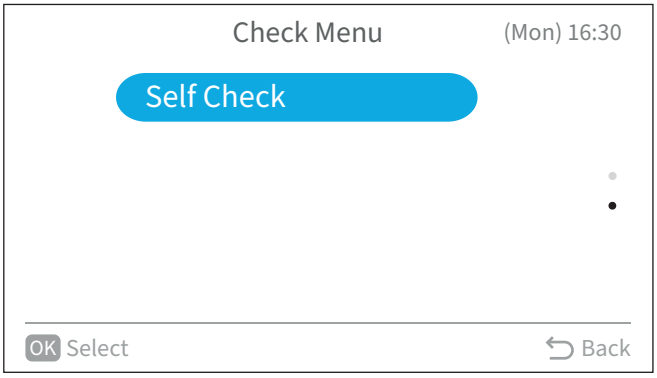
Indoor Unit PCB	
00	Normal
01	Abnormality of Inlet Air Temp. Thermistor
02	Abnormality of Outlet Air Temp. Thermistor
03	Abnormality of Liquid Temp. Thermistor
04	Abnormality of Remote Thermistor
05	Abnormality of Gas Pipe Temp. Thermistor
07	Abnormality of Transmission of Outdoor Unit
08	Abnormality of Transmission of Central Station
0A	Abnormality of EEPROM
0b	Zero Cross Input Failure
EE	Abnormality of Transmission of I.U. during Check (Wired Remote Controller ↔ Indoor unit)

Outdoor Unit PCB	
00	Normal
F4	ITO Input Failure
F5	PSH Input Failure
F6	Abnormality of Protection Signal Detection Circuit
F7	Abnormality of Phase Detection
F8	Abnormality of Transmission of Inverter
FA	Abnormality of High Pressure Sensor
Fb	Abnormality of Comp. Discharge Gas Temp. Thermistor
FC	Abnormality of Low Pressure Sensor
Fd	Abnormality of Evaporating Temp. Thermistor at Heating
FE	Abnormality of Gas Piping Temp. Thermistor (Except for RAS-AP**GS type) Abnormality of MS Motor Temp. Thermistor (RAS-AP**GS type) Abnormality of condensing Temp. (Heat Exchange) Thermistor (Tenant)
FF	Abnormality of Ambient Air Temp. Thermistor

6.3.5 Self check

Self check and EEPROM (internal memory element of wired remote controller) clear are provided.

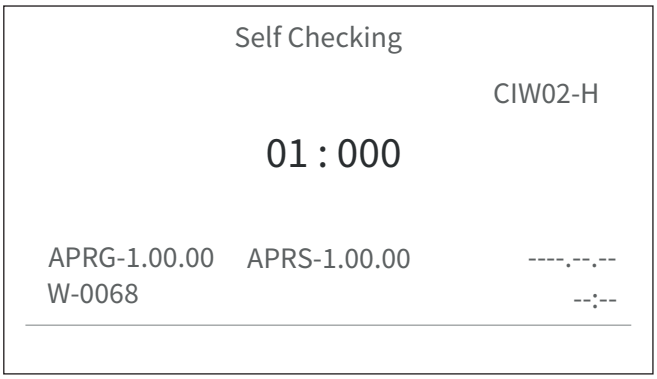
1 Select “Self check” on the “Check Menu” screen and press “OK”.



2 Software version check

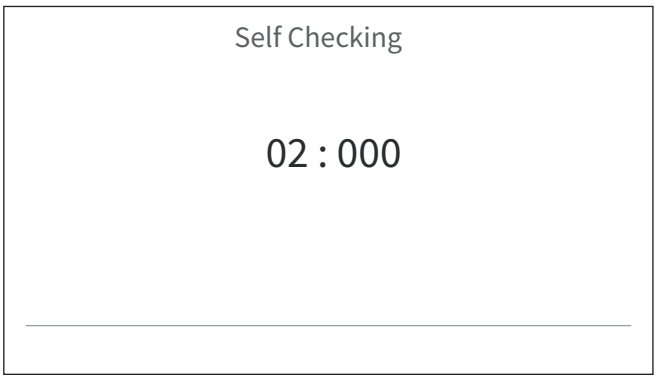
Software version is shown. If long press “∨” and “⮌” for 3 seconds, EEPROM is cleared.

Refer to EEPROM process. Else, turn to Step3.



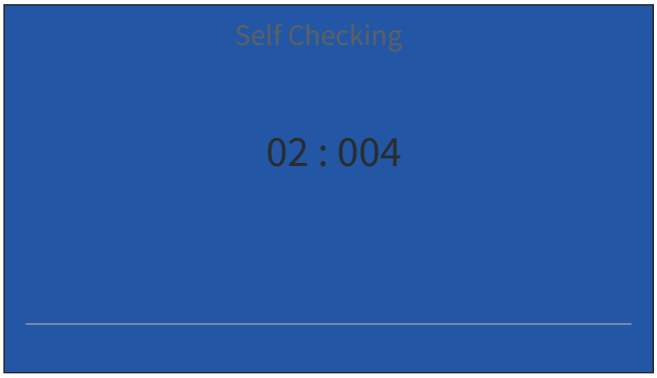
3 LCD check

Press “OK” and show white screen. Press “>”, screen color changes.

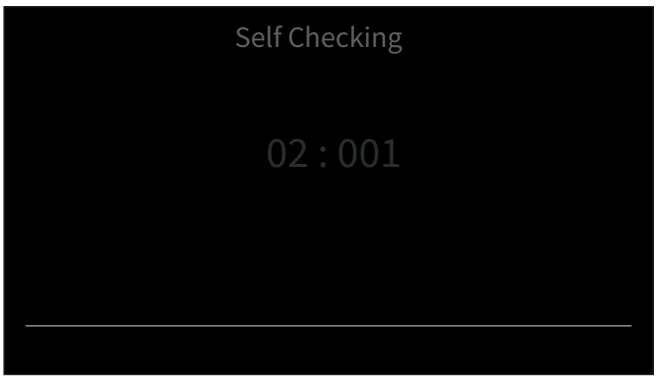


(Red)

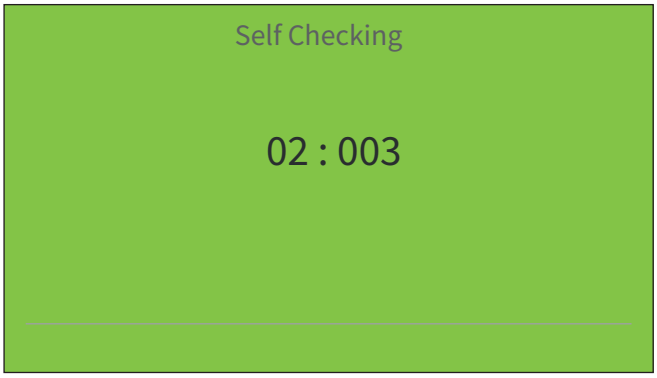
(Blue)



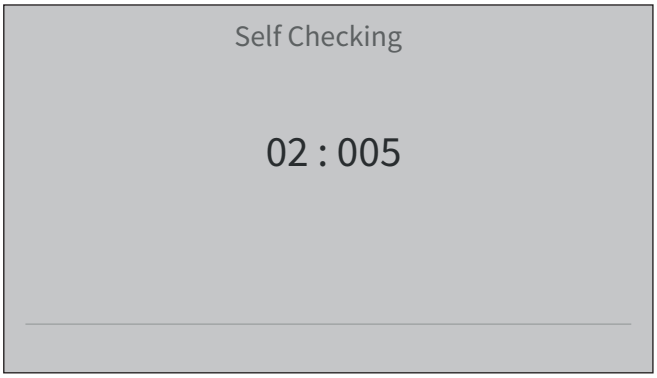
(Black)



(Green)



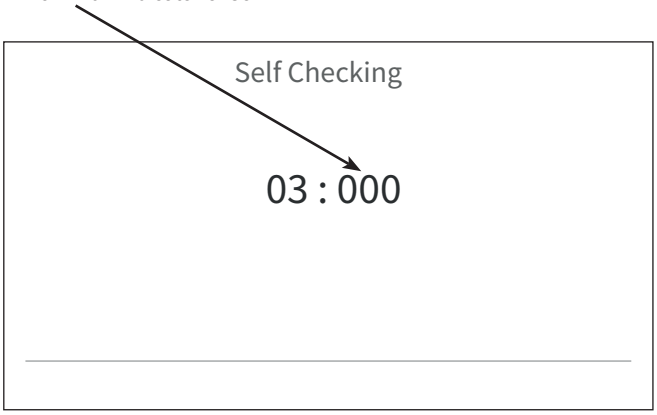
(Grey)



4 Back light check

03: Back light check

04: Run indicator check

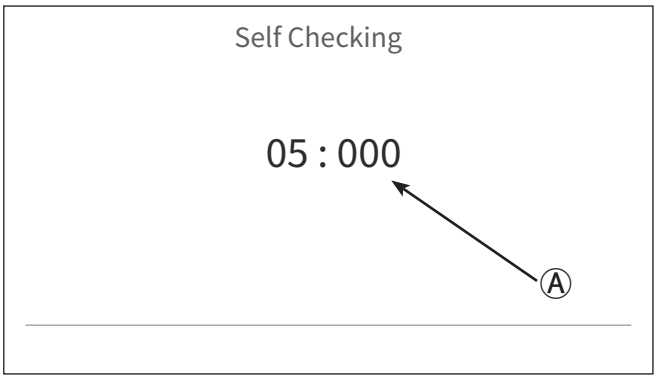


Press "〉" on Wired Remote Controller. Back light brightness gradually increases.

5 Run indicator check

Press "〉" on Wired Remote Controller. Run indicator lights from red to green.

6 Switch input check



Press each switch once a time. The switches sequence is as follows: "⏻"→"〈"→ "〈"→ "〉"→ "〉" → "OK" → "⮌"

The number in area indicated with Ⓐ increases by 1 with each switch pressing.

NOTE

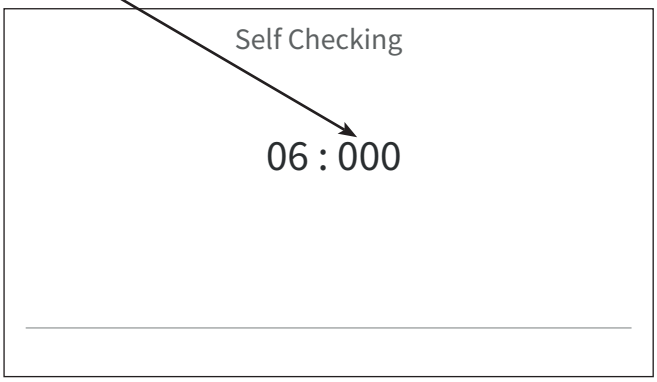
- *The number increases regardless of the order of the switch pressing.*
- *The switch pressing is not counted if 2 or more switches are pressed simultaneously.*

7 Buzzer check

Press "〉" on Wired Remote Controller. Buzzer volume gradually increases.

06: Buzzer check

07: Transmission check

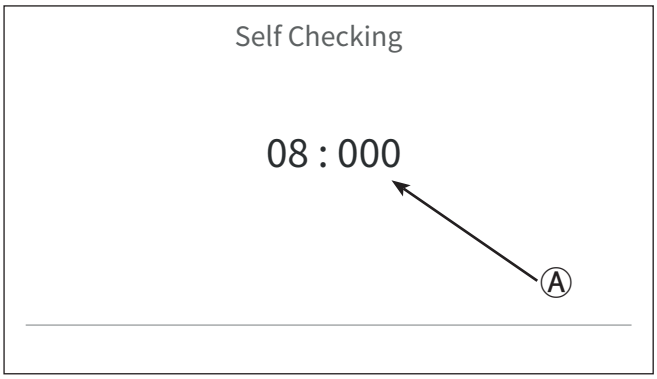


8 Transmission check

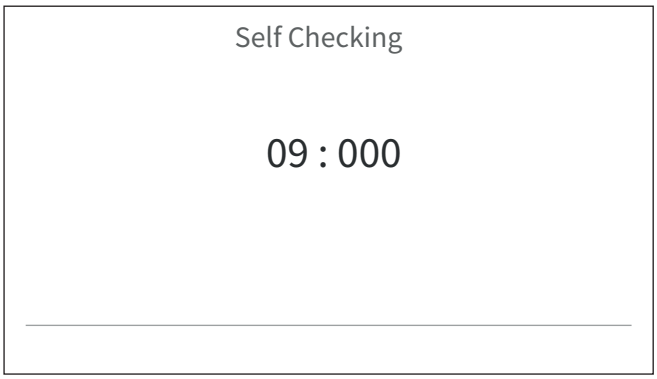
Wired Remote Controller then automatically starts transmission checking.

9 Thermistor check

The temperature on the remote controller thermistor is shown in area indicated with Ⓐ .

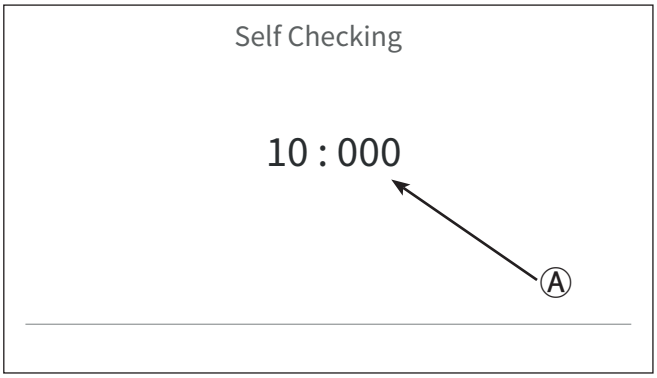


10 RTC check



11 Flash memory check

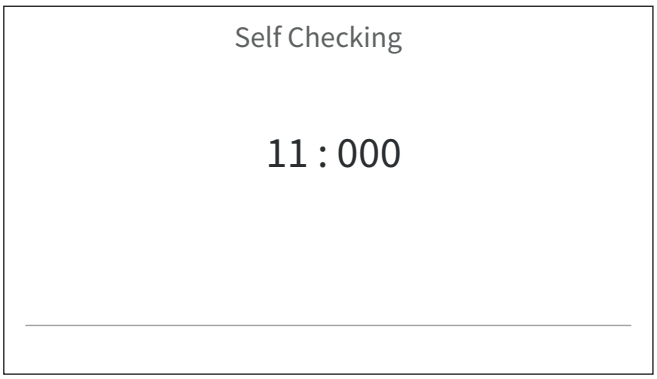
Check flash memory.



NOTE

The checking process does not proceed to the next if "999" is shown in the area indicated with Ⓐ .

12 EEPROM check



- To leave EEPROM as is:

  Press "﹀".

- To clear EEPROM

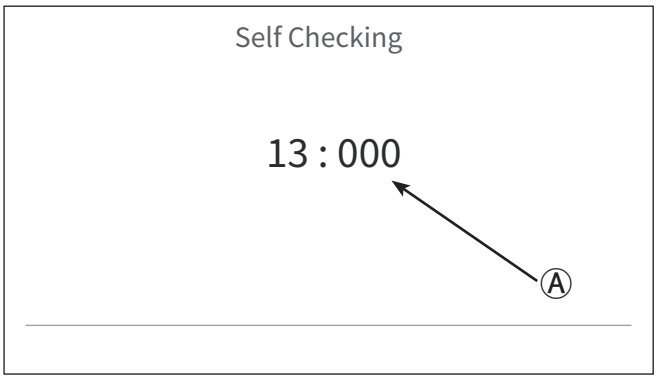
  Press "OK" or leave the screen for 15 seconds, EEPROM data is automatically cleared. Number is shown in the area indicated with Ⓐ . "999" indicates defective EEPROM.

NOTE

The checking process does not proceed to the next if "999" is shown in the area indicated with Ⓐ .

13 After seconds, Wired Remote Controller automatically finishes Self Checking process and restarts .

◆ EEPROM process



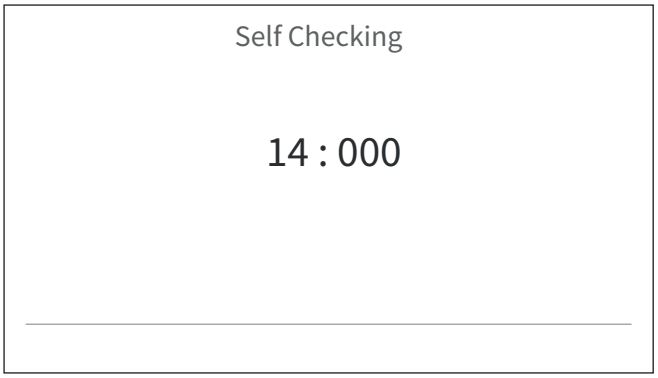
1 Clear EEPROM

Wired Remote Controller automatically starts EEPROM clear process.

2 After seconds, Wired Remote Controller automatically finishes Self Checking process and restarts.

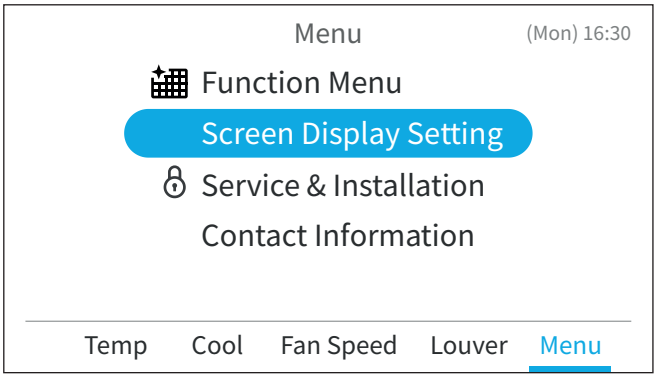
Turn the power OFF on indoor units after self checking.

After all indicators on the remote controller are OFF, turn ON the power of the indoor unit again.



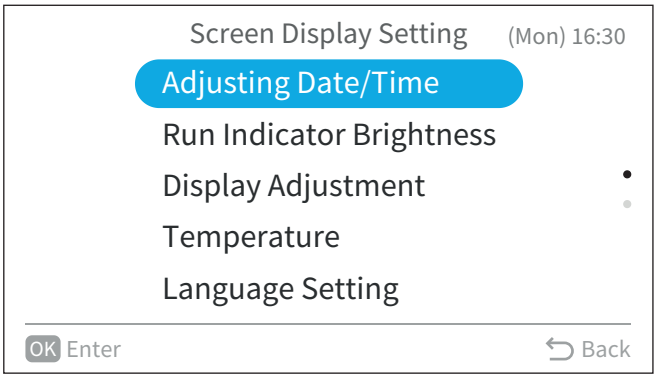
7 SCREEN DISPLAY SETTING MENU

1 Select “Screen Display Setting” on the “Menu” screen and press “OK”.



2 Press “^” or "v" to select setting item and press "OK". Press”⮌” to return to “Menu” screen.

- If there is no operation on the display setting screen for about 10 minutes, the screen automatically returns to the home screen.
- Various settings are saved even when the power supply is off.



The setting is recommended in that it will be used to check the alarm history and set the schedule.

Periodic time setting is recommended.(Clock accuracy: difference within ±70 seconds by a month)

With this controller, the installed electric battery will allow continued operation for 72 hours. Reset the date and time if the controller remains without power for longer than 72 hours or the main power supply is OFF for a long period of time.

When adjusting time from the main controller, the sub controller of the same refrigerant cycle will be set at the same time.

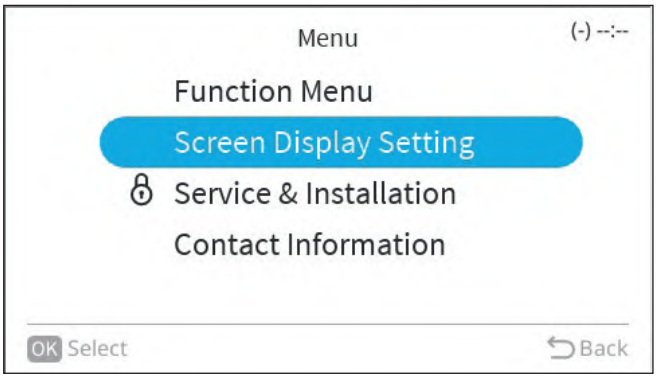
NOTE

It is possible to adjust time from the sub controller. If more than two minutes' modification is done, the main controller will be set at the same time. (Please check the main and sub display on the home screen. If it is not displayed, check “6.1.12 Main Remote Setting”)

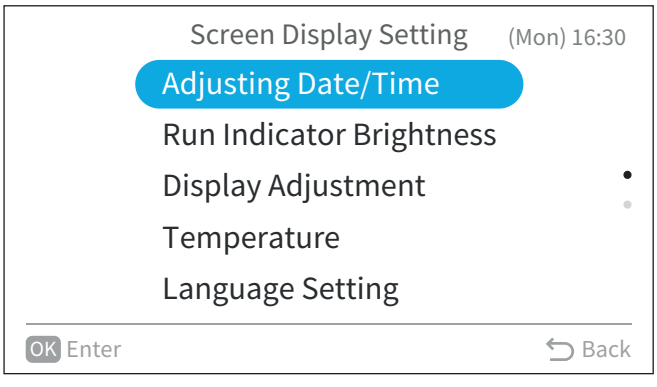
7.1 ADJUSTING DATE / TIME

1 While the air conditioner is stopped, press “>” to select “Menu” and press “OK”.
While the air conditioner is operating, press “>” to select “Menu” and display the Menu screen.

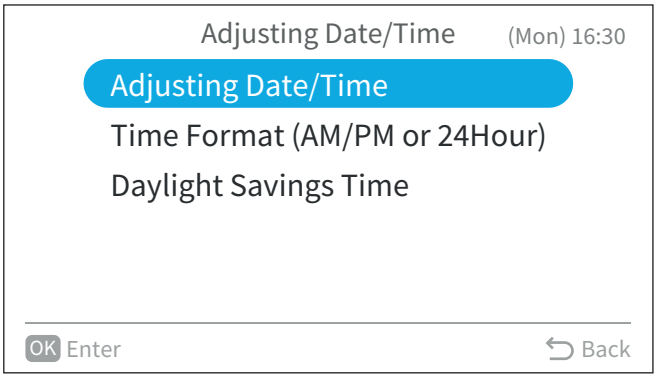
2 Select “Screen Display Setting” and press “OK”.



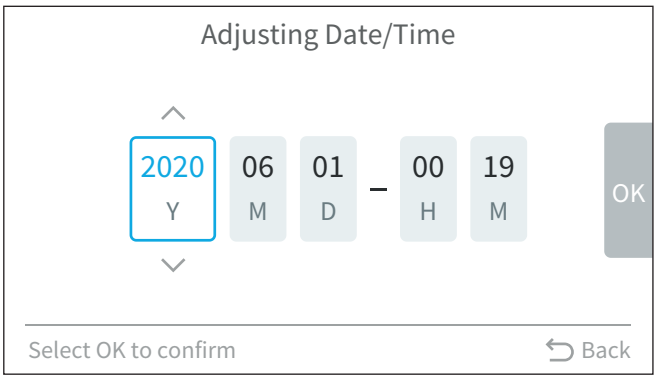
3 Select “Adjusting Date/Time” and press “OK”.



4 Select “Adjusting Date/Time” and press “OK”.



5 Press “<”, or “>” to select “yyyy/mm/dd/hh/mm”.
Press “^” or “v” to change the settings.
Press and hold “^” or “v” to increase or decrease continuously.
The day of the week changes.

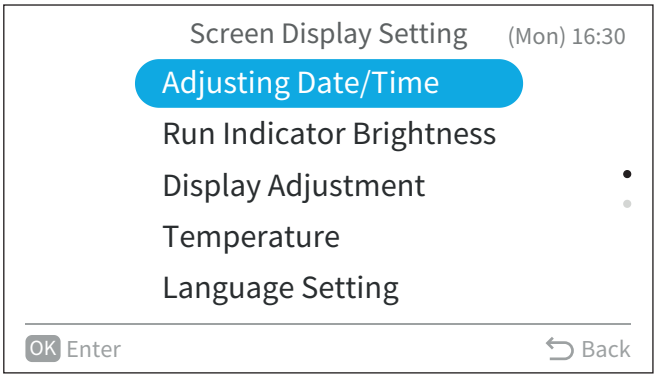


6 After making all settings,
If select “OK” and press “OK”, the screen returns to Step4.
If press”⮌”, the confirmation screen displays.
Select “Save” and press “OK” to save the setting. The screen returns to Step4.
Select “Not Save”, the screen returns to Step4 without any setting changes.
If press “⮌” again, the screen returns to Step5.

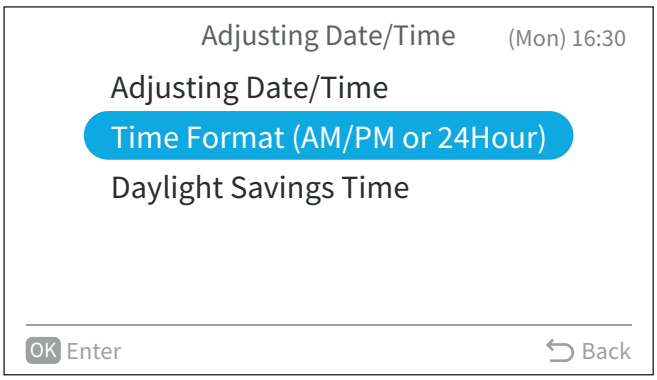
7.1.1 Time Format

Set time format

1 Select “Adjusting Date/Time” on the “Screen Display Setting” screen and press “OK”.

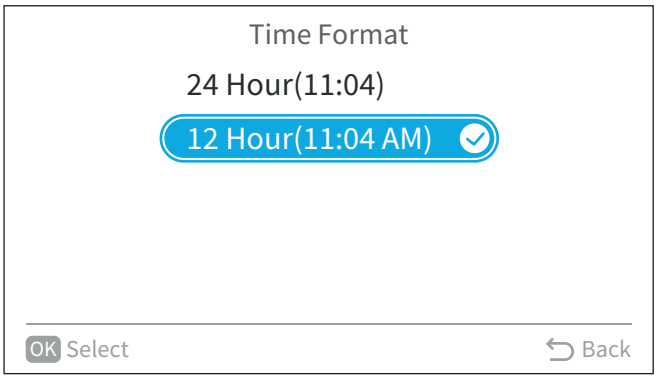


2 Press “^" or "v" to select "Time Format" and press "OK".



3 Press “^" or "v" to select 24 hour or 12 hour and press "OK".

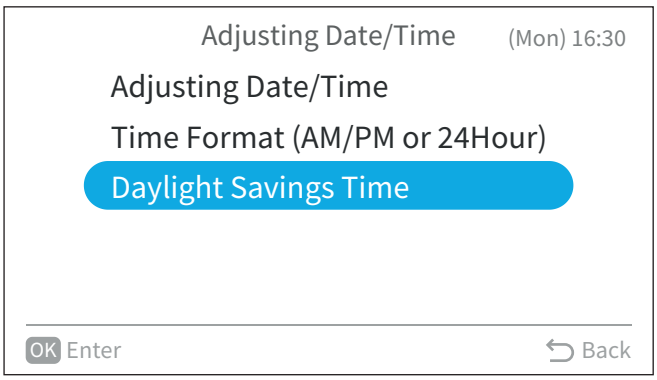
4 Press “⮌” to return to Step2.



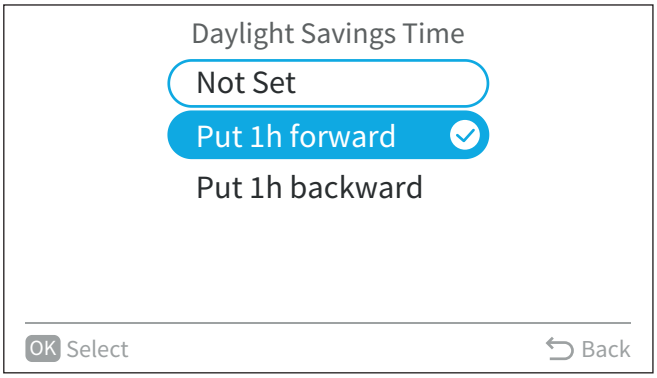
7.1.2 Daylight Savings Time

This function adjusts time forward or backward an hour when daylight savings time starts or ends.

1 Select “Daylight Savings Time” on the “Adjusting Date/Time” screen and press “OK”.

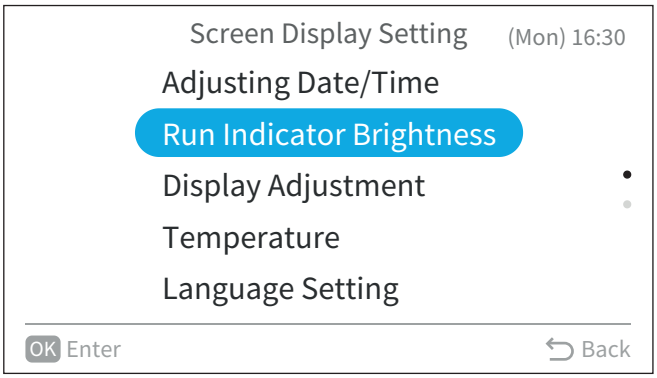


2 Press "^" or "v" to select the setting and press "OK".

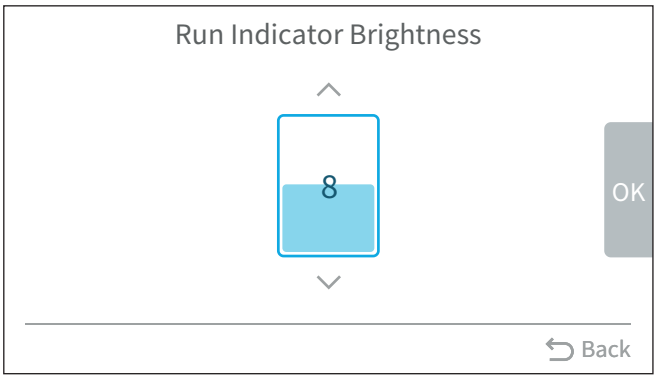


7.1.3 Run Indicator Brightness

1 Select "Run Indicator Brightness" on the "Screen Display Setting" screen and press "OK".



2 Press "^" or "v" to change the brightness value. Select "OK" and press "OK", the screen returns to the "Screen Display Setting" screen.



7.1.4 Display Adjustment

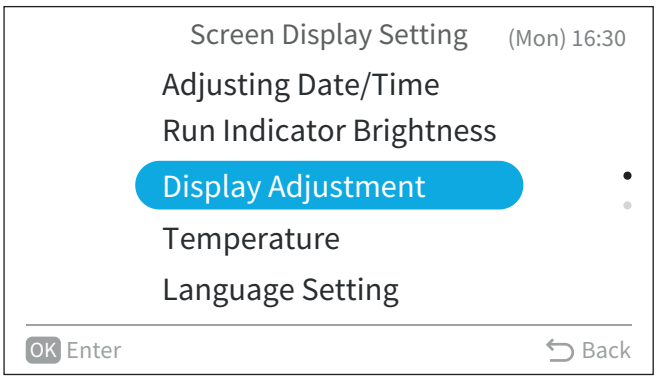
Function	Action
Backlight Brightness	Adjust the brightness of the backlight.
Backlight Off Time	Change the time when the backlight turns dark after inactivity.

NOTE

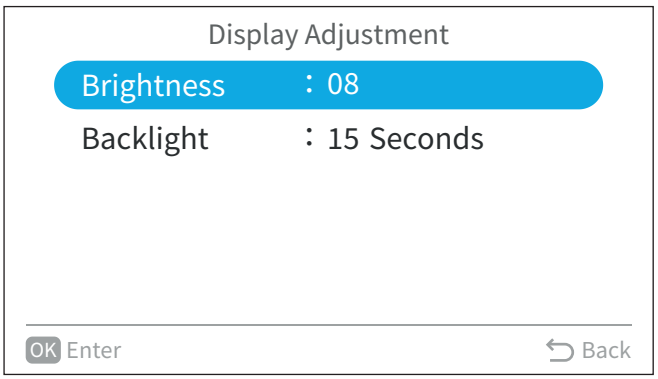
When connecting with two remote controllers, the maximum backlight brightness is 8.

◆ **Backlight Brightness**

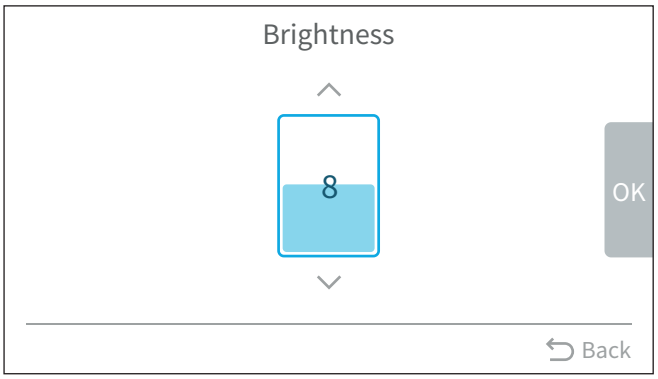
1 Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".



2 Select "Brightness" and press "OK".

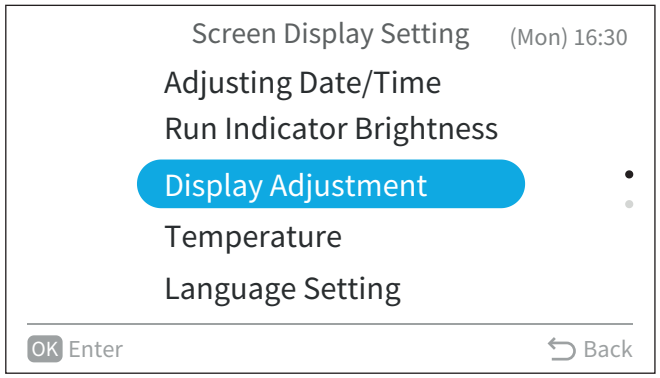


3 Press "^" or "v" to change the brightness value. Select "OK" and press "OK", the screen returns to Step2.

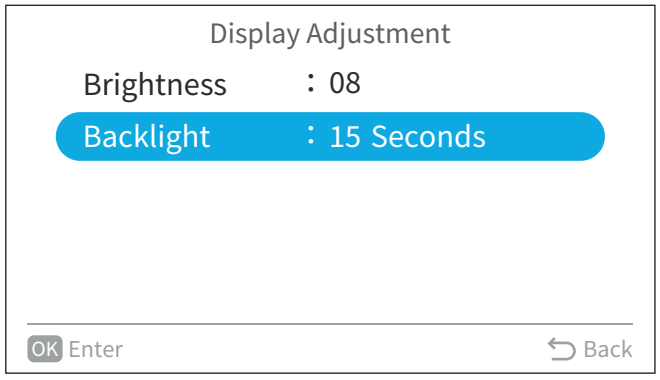


◆ Backlight Off Time

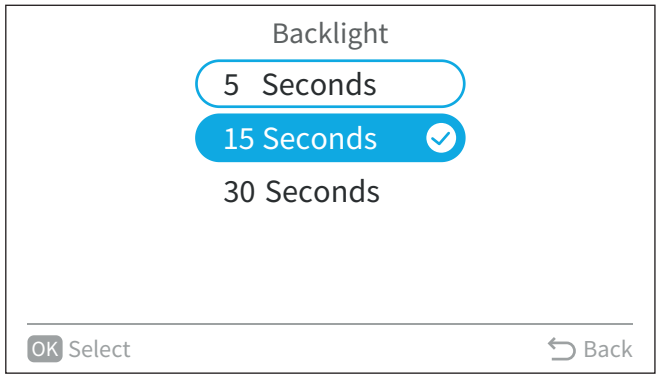
1 Select “Display Adjustment” on the “Screen Display Setting” screen and press “OK”.



2 Select “Backlight” and press “OK”.



3 Press “^” or "v" to select the off time intervals and press “OK”. The item changes as follows:
“5 seconds” ↔ “15 seconds” ↔ “30 seconds”.

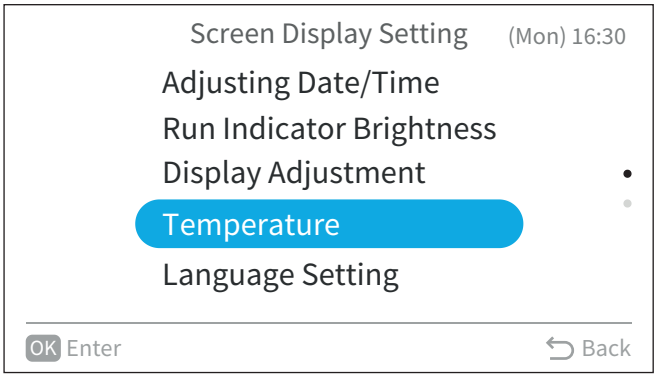


7.1.5 Temperature

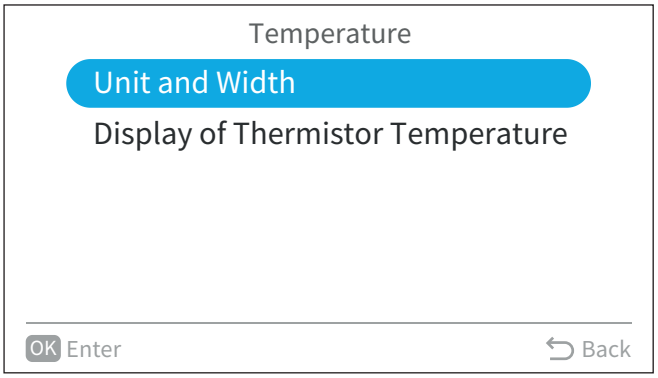
Function	Action
Unit and Width	Change temperature unit and width.
Display of Thermistor Temperature	Show/hide the thermistor temperature display on the home screen.

◆ Temperature Unit and Width

1 Select “Temperature” on the “Screen Display Setting” screen and press “OK”.

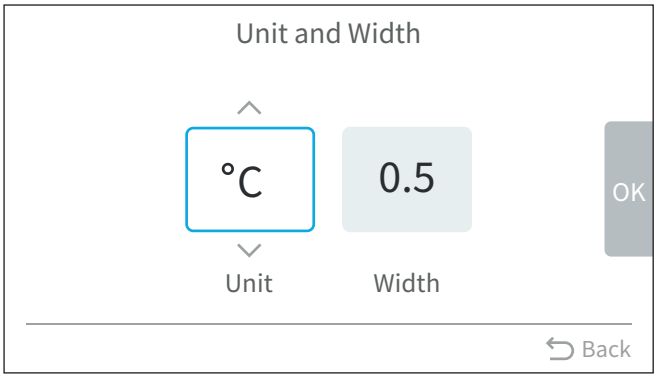


2 Press “^” or "v" to select "Unit and Width" and press "OK".



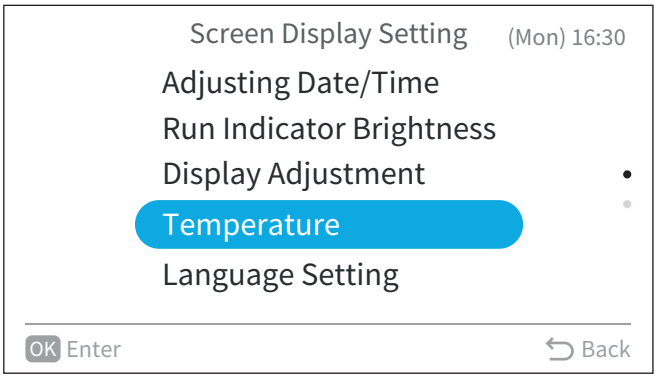
3 Press “<” or “>” to select unit or width. Press “^” or "v" to change the setting.

- When the unit is selected, it change as below.
  °F ↔ °C
- When the width is selected, it changes as below.
  0.5 ↔ 1 (The width can be set only when the unit is °C.)
- After making all settings, select "OK" and press "OK", the screen returns to Step2.

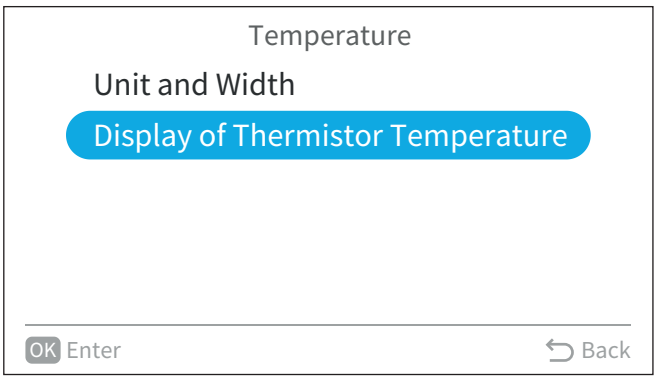


◆ Display of Thermistor Temperature

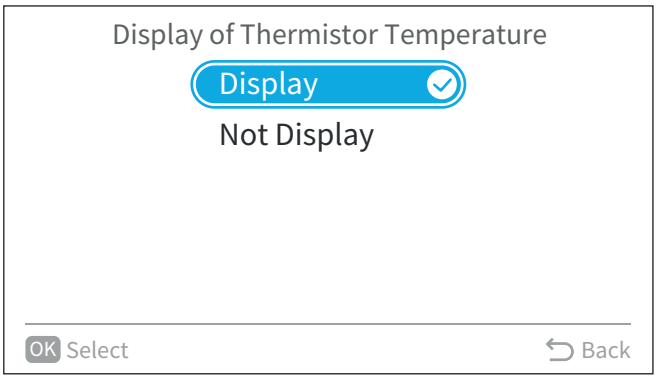
1 Select “Temperature” on the “Screen Display Setting” screen and press “OK”.



2 Press “^” or "v" to select "Display of Thermistor Temperature" and press "OK".



3 Press “^” or "v" to select the setting and press “OK”. Press “⮌” to return to Step2.

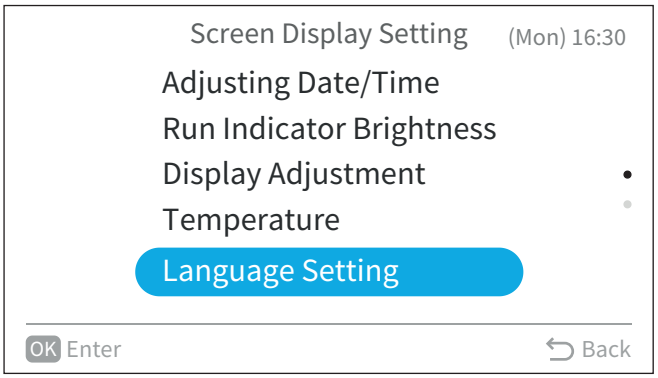


7.1.6 Language Setting

This function is to change the displayed language.

Selectable language: Japanese, English(°C), English(°F), Simplified Chinese, Traditional Chinese, French, Portuguese, or Spanish.

1 Select “Language Setting” on the “Screen Display Setting” screen and press “OK”.

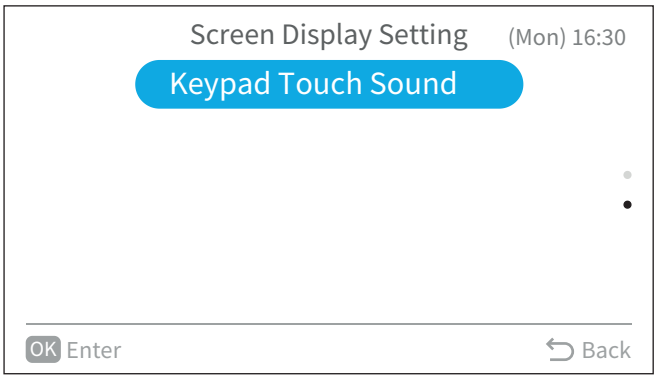


2 Press “^” or "v" to select the language and press "OK". Press “⮌” to return to “Screen Display Setting” screen.

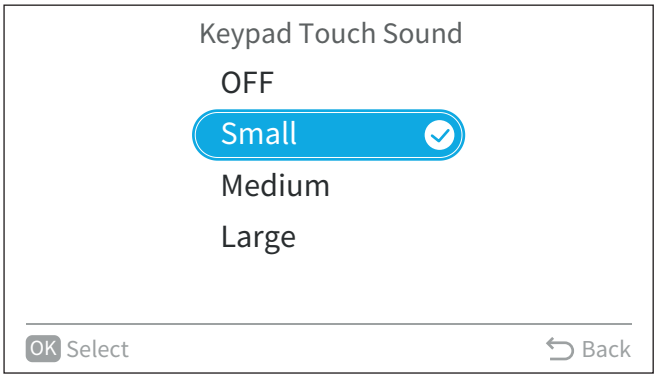
7.1.7 Keypad Touch Sound

This function is to change the touch sound on keypad.

1 Select “Keypad Touch Sound” on the “Screen Display Setting” screen and press “OK”.



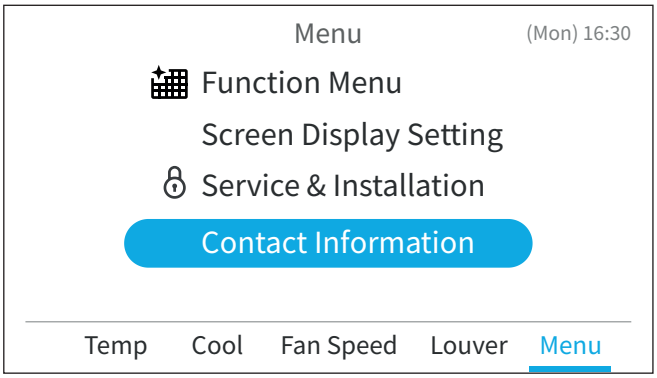
2 Press “^” or "v" to select the sound volume and press "OK". Press “⮌” to return to “Screen Display Setting” screen.



8 CONTACT INFORMATION MENU

The screen displays service contact information and the latest alarm code.

1 Select “Contact Information” from the “Menu” screen and press “OK”.

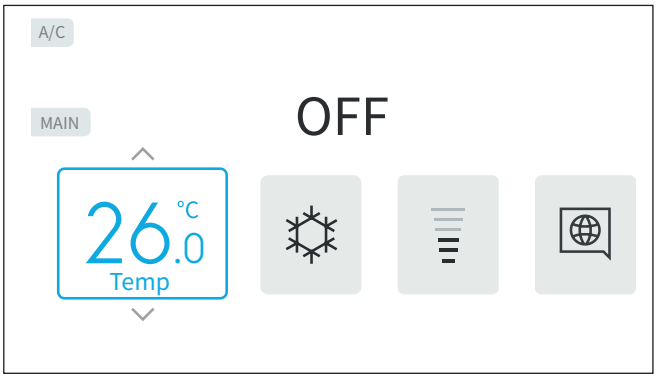


2 Display service contact information and the latest alarm code.
Press"⮌" to return to the "Menu" screen.

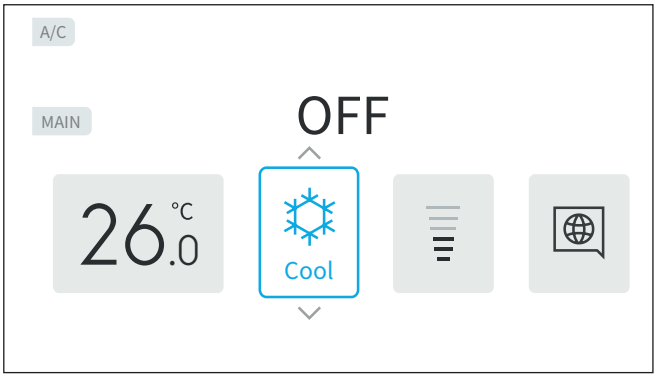
9 HOTEL MODE SETTING

When the advanced wired remote controller is set to hotel mode, the home screen and menu are changed. For how to set the hotel mode, refer to *“6.2.3 Hotel Mode Setting”*.

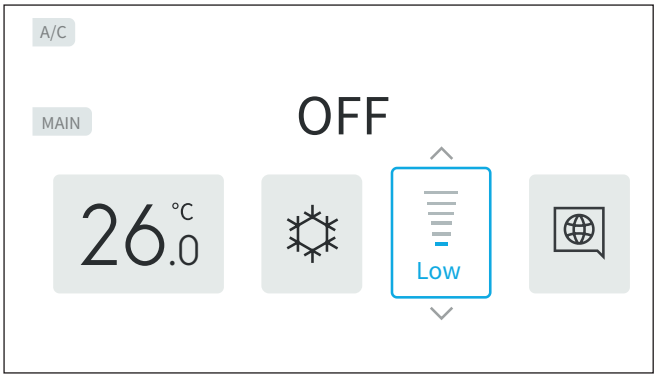
- When the air conditioner is OFF
  Press “<” or “>” to select the setting item. The item changes as follows:
  “Temperature” ↔ “Mode” ↔ “Fan Speed” ↔ “Language” ↔ “Off Timer” ↔ “Menu”.



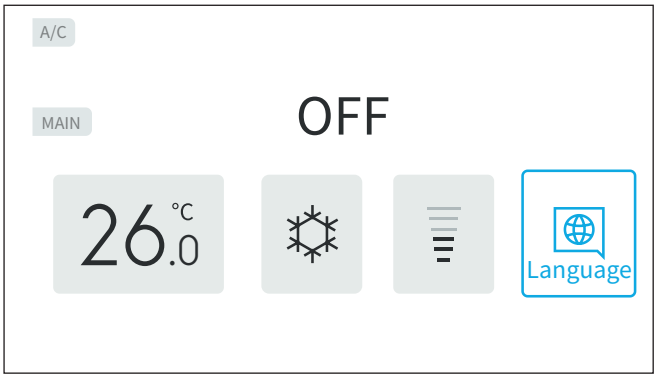
Temperature



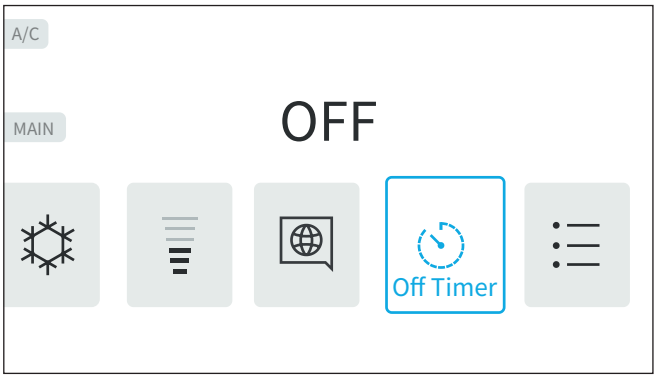
Mode



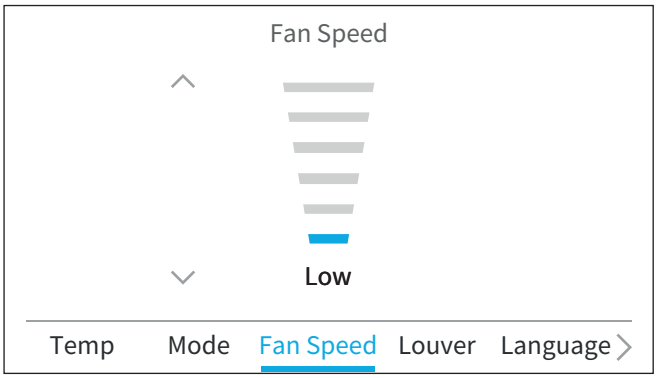
Fan Speed



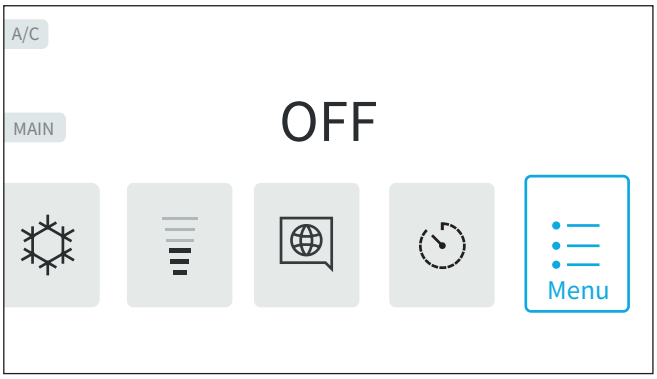
Language



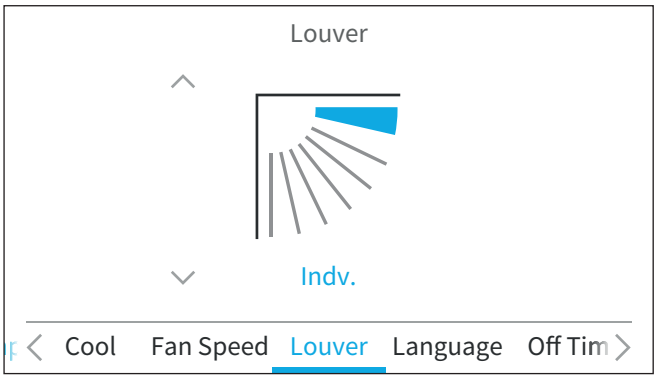
Off timer



Fan Speed

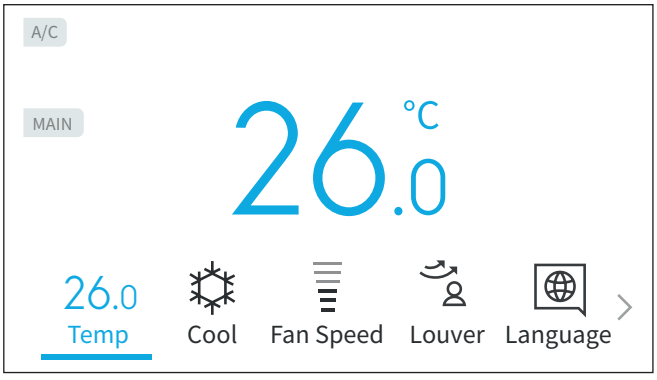


Menu



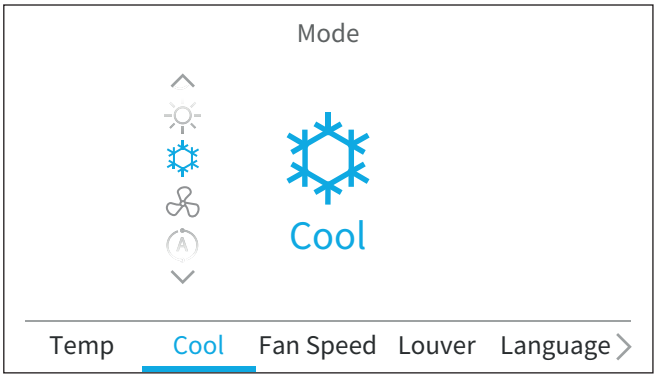
Louver

- When the air conditioner is ON
  Press "<" or ">" to select the setting item. The item changes as follows:
  "Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Louver" ↔ "Language" ↔ "Off Timer" ↔ "Menu".

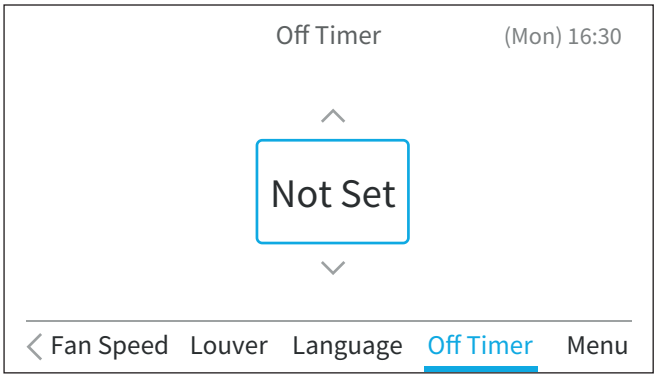


Temperature

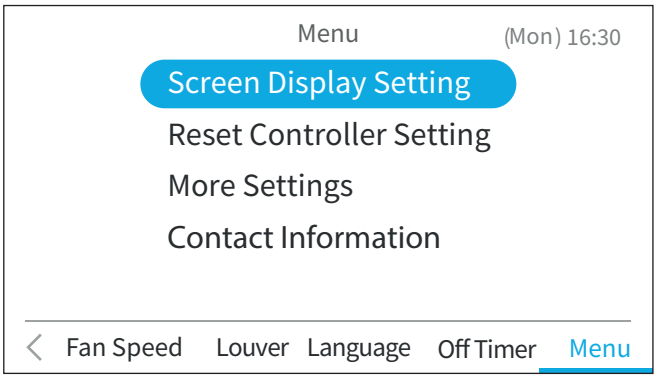
Language

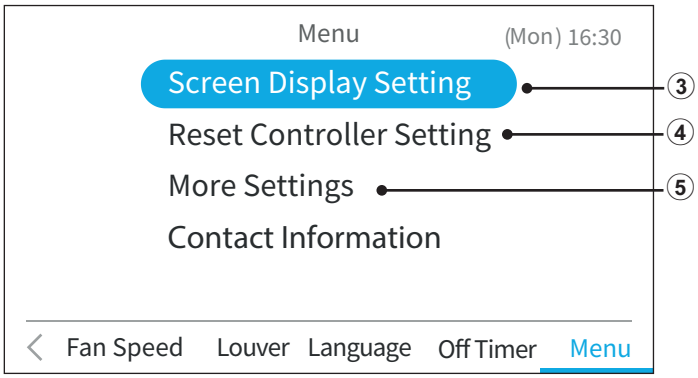


Mode

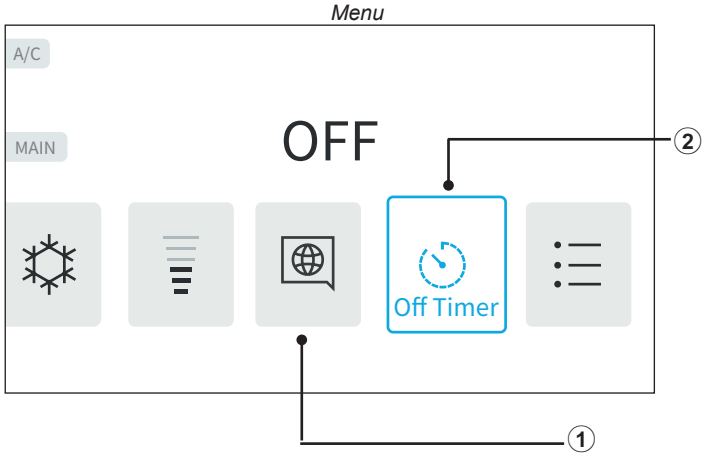


Off timer





Menu



① Language: Change to the desired language.

② Off Timer: Turn off the air conditioner after the desired time.

③ Screen Display Setting: Make settings for screen display. Please refer to *"7 Screen Display Setting menu"*.

④ Reset Controller Setting: The off timer is reset to not set, the language setting is reset to English, and the temperature setting unit is reset to ºF. When the wired controller is used in a hotel, the settings are easily initialized after checking out.

⑤ More Settings: More settings when the hotel mode is not avaliable.

9.1 LANGUAGE

1 Press "<" or ">" to select "Language" in the home screen.

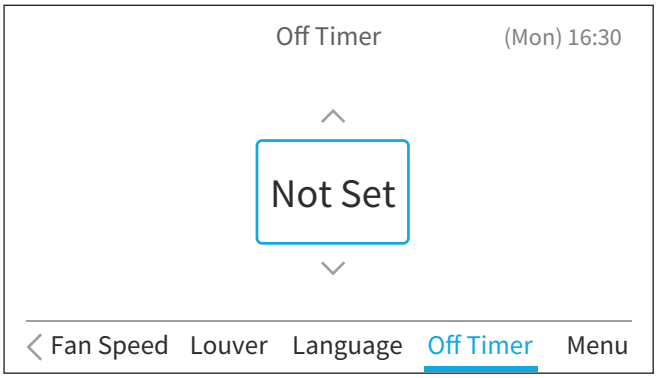
2 Press "^" or "v" to select the language and press "OK".

9.2 OFF TIMER

NOTE

- *"Off timer" can be set even when the air conditioner is stopped.*
- *If the set time is reached during stop, the off timer setting is canceled.*
- *While the wired remote controller is prohibited, "off timer" cannot stop the air conditioner operation.*

1 Press "<" or ">" to select "Off Timer" in the home screen.

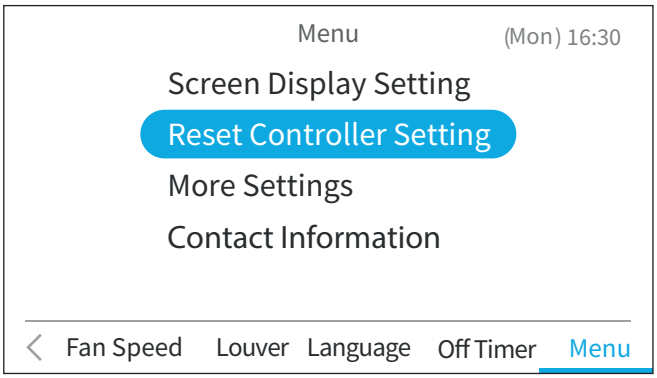


2 Press "^" or "v" to select the timer setting and press "OK".

- Press and hold "^" or "v" to increase or decrease continueously.
- The timer can be set from 0.5 to 23 hours.
- Press "^" to increase 30 minutes of each step for 0.5 to 9.5 hours, 1 hour of each step for 10 to 23 hours.

9.3 RESET CONTROLLER SETTING

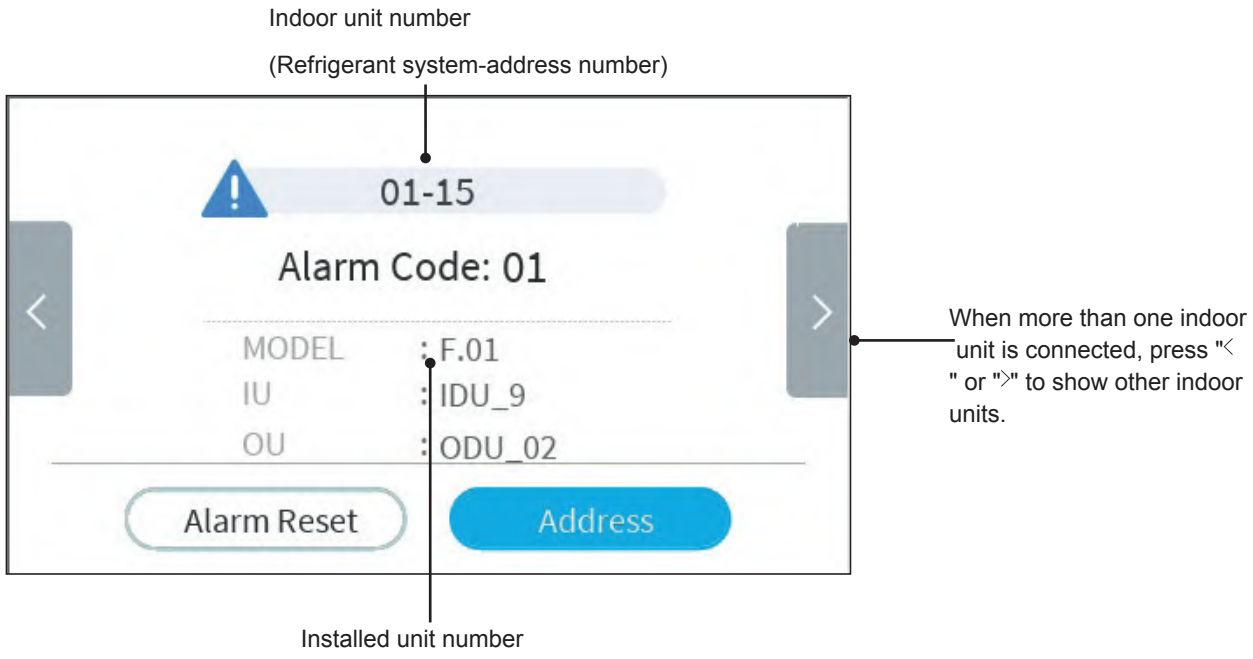
1 Press "^" or "v" to select "Reset Controller Setting" in the "Menu" screen and press "OK".



2 Press "<" or ">" to select "Reset" and press "OK", return to "Menu" screen. The default settings are as table below .

Off Timer	Not Set
Language	English
Unit	°F

10 IN ALARM CONDITION



- The RUN indicator flashes.
- The indoor unit number, alarm code, model code, and the connected number of indoor units are displayed on the screen.
- If two or more indoor units are connected, the above functions for each indoor unit are displayed one-by-one.

10.1 POWER FAILURE

- All the indicatiors are OFF.
- Once the air conditioner is stopped by power failure for longer than 2 seconds, the air conditioner is not started again, although power recovers. Perform the starting procedures again.
- If the power recovers within 2 seconds, the air conditioner starts again automatically.

10.2 ELECTROMAGNETIC INTERFERENCE (EMI)

- There could be an instance where all the indications are OFF and the unit is stopped.
- This can occur through activation of the microcomputer for the air conditioner protection from the Electromagnetic Interference (EMI).
- Perform the starting procedures again.

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