

OWNER'S & INSTALLATION MANUAL

AIR CONDITIONER

Please read this installation manual completely before installing the product.
Installation work must be performed in accordance with the national wiring standards by authorized personnel only.
Please retain this installation manual for future reference after reading it thoroughly.

NEW WIDE WIRED
REMOTE CONTROLLER

PREMTB001 / PREMTBB01



MFL69525701
Rev.03_082217

TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may be harmful for your health and may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, in a short period of time.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions.

For your records

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number : _____

Serial number : _____

You can find them on a label on the side of each unit.

Dealer's name : _____

Date of purchase : _____

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

- The installation requires expert skills, and it should be installed by the service center or other shops specialized in the installation and recognized by our company.
- For all the problems arising after installation by someone who has no relevant qualifications, our company will not provide free service.
- The following safety cautions are provided to prevent unexpected dangers or losses.

WARNING

If the user does not follow the mandatory items, it may result in serious injury or death.

CAUTION

If the user does not follow the mandatory items, it may cause personal injury or property damage.

-  Warning and Caution are to call the user's attention to the possible danger. Read the following them carefully in order to prevent a safety accident.

-  Warning and Caution are indicated in this guide and the product itself to help protect the users from danger.

WARNING

Installation

- Ensure that all installation, service or re-installation is carried out by a qualified person. Do not dismantle or modify the product in any way. Failure to follow these instructions may result in a fire, explosion or electric shock

In-use

- Do not place flammable material or stuffs around the controller.
 - It will cause fire.
- Do not allow water to run into the product.
 - It will cause electric shock or breakdown.
- Do not give the shock to the product.
 - It will cause breakdown when giving the shock to the product.
- Request to the service center or installation specialty store when the product becomes wet.
 - It will cause fire or electric shock.
- Do not expose to shock using sharp and pointed objects.
 - It will cause breakdown by damaging parts.

CAUTION

In-use

- Do not clean using the powerful detergent like solvent but use soft cloths.
 - It will cause fire or product deformation.
- Do not press the screen using powerful pressure or select two buttons.
 - It will cause product breakdown or malfunction.
- Do not touch or pull the lead wire with wet hands.
 - It will cause product breakdown or electric shock.

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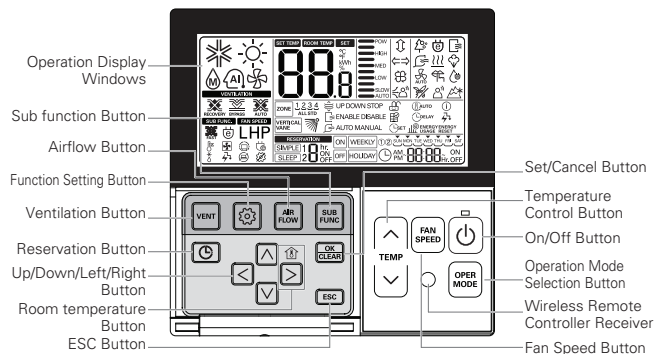
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PART DESCRIPTION



Operation Display Windows : Displays the status of operation and settings

Ventilation Button : For interlocking operations of air-conditioner and ventilator

Function Setting Button : To select the additional operations function

Airflow Button : To select the airflows

Sub function Button : To select the additional operations function

Reservation Button : To program the schedule

Up/Down/Left/Right Button : To change the settings in the menu

Room temperature Button : To check the indoor temperature

ESC Button : To exit from the menu

Set/Cancel Button : To save the settings in the menu

Temperature Control Button : To change the desired temperature

Fan Speed Button : To select the fan speed

On/Off Button : To turn on/off with a remote controller

Mode Selection Button : To select the operating mode

Wireless Remote Controller Receiver

Accessories



Connecting Cable
1 EA, 10m



Screw (4 EA)



Owner's /
Installation manual

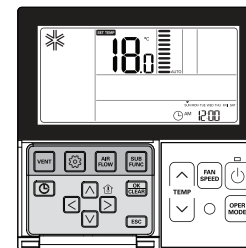


Inform label
(8EA-8Languages)

OWNER'S INSTRUCTION

Standard Operation – Standard Cooling

A pleasant and fresh breeze cools off the room.



Press button in the remote controller to begin cooling.

- The initial temperature for cooling is set at 18°C by default.

- The desired temperature can be reached by 1°C or 0.5°C depending on the type of Indoor Unit.

Press button to set the desired temperature below the indoor temperature.

- Press button to see the indoor temperature.

✦ If the desired temperature is set above the indoor temperature, cool air will not blow out but only fan will work instead.

Press button during operation to stop cooling.

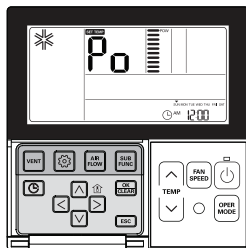
What is a 3-minute delay function?

A cool air will not blow out immediately after stopping cooling in order to protect a compressor. After 3 minutes, the cool air will blow out as the compressor runs.

- The range of the desired temperature is 18°C~30°C for cooling.
(when it is connected to product supporting cooling 16°C control, you can select the desired temperature in 60~86°F(16~30°C).)
- 5°C is recommended for the difference between indoor and outdoor temperature.

Standard Operation – Power Cooling

It cools off faster and more powerfully.



Press  button to turn on the indoor.

Press  button during cooling and it will move to "Po" and start power cooling.

* Some units run the power cooling after power breeze.

Press  button during operation to cancel the power cooling and run the fan speed automatically.

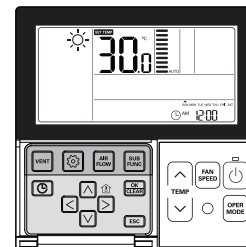
What is a power cooling?

Desired temperature: Po (actual temperature 18°C)	} Running to cool down the indoor temperature quickly.
Fan speed: Power breeze	
Breeze direction: cooling position	

* Some units do not have power cooling function.

Standard Operation – Heating Mode

A warm breeze blows out to the room.



Press  button in the remote controller, and press  button to select heating.

- The initial temperature for heating is set at 30°C by default.
- The desired temperature can be reached by 1°C or 0.5°C depending on the type of Indoor Unit.

Press  button to set the desired temperature above the indoor temperature.

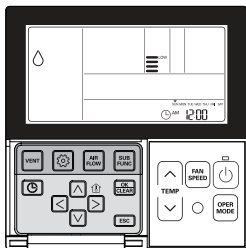
- If the indoor temperature is set above the desired temperature, warm air will not blow out but only fan will work instead. (Press  button to see the indoor temperature.)

Press  button during operation to cancel heating.

- The range of the desired temperature is 16°C~30°C for heating.
- Heating applies only to cooling/heating models.
Heating will not work in the cooling only models.

Standard Operation – Dehumidifying Mode

It removes moisture while cooling gently.



Press  button.

Press  button to select Dehumidify.

- The temperature cannot be changed during dehumidification.

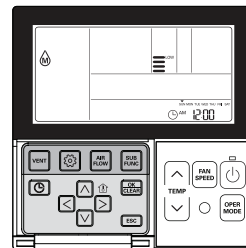
Press  button repeatedly to adjust airflow SLOW → LOW → MED → HIGH → AUTO.

- The initial fan speed in dehumidifying mode is set at 'Low'.

- Using this function in the rainy season or high humidity, you can operate simultaneously dehumidifier and cooling mode to remove humidity effectively.
- The menu of fan speeds may vary depending on the product type.

Standard Operation – Monsoon Dehumidifying Mode

This is monsoon region-specific dehumidification function.



Press  button.

Press  button to select Dehumidify.

- The temperature cannot be changed during dehumidification.

Press  button repeatedly to adjust airflow SLOW → LOW → MED → HIGH → AUTO.

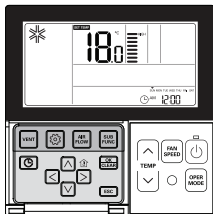
- The initial fan speed in dehumidifying mode is set at 'Low'.

- Using this function in the rainy season or high humidity, you can operate simultaneously dehumidifier and cooling mode to remove humidity effectively.
- The menu of fan speeds may vary depending on the product type.

Standard Operation – Temperature Setting / Room Temperature Check

Temperature Setting

The temperature can be controlled easily to the desired set point.



Press temperature control button to select the desired temperature.



Press the button to raise the temperature by 1°C.

Press and hold the button to raise the temperature by 1°C automatically.

Press the button to lower the temperature by 1°C.

Press and hold the button to lower the temperature by 1°C automatically.

- Pressing the  button displays the actual room temperature for a short period.
- The controller displays the selected temperature.

In the cooling mode

If the desired temperature is higher than the indoor temperature, cooling will not operate.
Set the desired temperature lower than the indoor temperature.

In the heating mode (cooling/heating models)

If the desired temperature is lower than the indoor temperature, heating will not operate.
Set the desired temperature higher than the indoor temperature.

Room Temperature Check

Press  button to display the current temperature.

- It returns to the desired temperature after about 5 seconds.

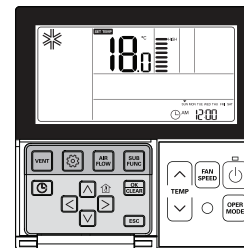
* The actual feel temperature and the indoor temperature displayed in the remote controller may not be identical due to the inconsistent temperature distribution in a space where the unit is installed.

- The range of the desired temperature is 18°C~30°C for cooling, and 16°C~30°C for heating.
(When it is connected to product supporting cooling 16°C control, you can select the desired cooling operation temperature in 16°C~30°C.)
- 5°C is recommended for the difference between indoor and outdoor temperature.

Standard Operation – Fan Speed / Airflow

Fan Speed

The fan speed can be adjusted easily to the desired set point.



Press  button to select the desired wind powerfulness.

- Press  button repeatedly to adjust wind powerfulness SLOW → LOW → MED → HIGH → POW → AUTO.

- The menu of fan speeds may vary depending on the product type.

- See the product manual for more details.

Ex) Fan speed selection



Airflow

Wind direction can be adjusted easily to the desired set point.

Press  button to select the desired wind direction.

- Press Airflow button to select the comfortable draft of air direction → Up/Down/Left/Right → Left/Right → Up/Down → upper air draft → down air draft
- The menu of wind directions may vary depending on the product type.
- See the product manual for more details.

* If you select upper air draft or down air draft, the wired remote controller will display the below

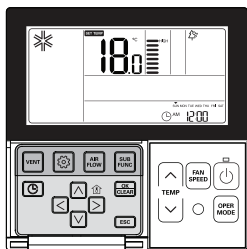
Ex) Wind direction selection

Airflow	Remote Controller Display Window
Comfortable wind	
Up/Down/Left/Right	  (ON simultaneously)
Left/Right	
Up/Down	
upper air draft	
down air draft	



Sub Function – Plasma Purification

Air purifying function cleans the air in the room.



Press **[SUB FUNK]** button repeatedly until  icon displays.
Press **[SUB FUNK]** button when  icon blinks to select or cancel the purifying function.

* The  icon will be displayed in case of setting option and disappear in reverse case.

Press **[ESC]** button to exit the setup mode.

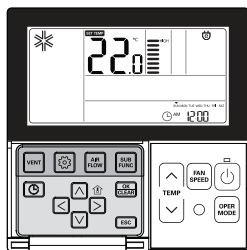
* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the **[SUB FUNK]** button is not selected before you exit, the changes will not apply.

- * Some products may not include Air purifying function because it is an additional function.
- * Air purifying is available only when the unit is running.
- * If you want to run the air purifying only, press Sub function button in the Fan mode and select Plasma Purification.

Sub Function – Energy-Saving Cooling Operation

Energy-saving cooling is a function to improve the energy-saving capacity and comfort by adjusting the desired temperature in the cooling mode.



Press **[SUB FUNK]** button repeatedly until  icon displays.

Press **[SUB FUNK]** button when  icon blinks to set or cancel the Energy-saving function.

* The  icon will be displayed in case of setting option and disappear in reverse case.

Press **[ESC]** button after setup.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

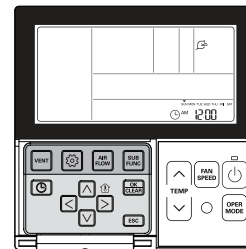
* If the **[SUB FUNK]** button is not selected before you exit, the changes will not apply.

- * Energy-saving function is available only in the cooling mode.
- * Some products may not include Energy-saving function.

Sub Function – Manual Settings for Robot Cleaning

Robot Cleaning is a function that a built-in cleaner performs a filter cleaning automatically when air-conditioner runs for the scheduled hours.

This function can be set in 30 seconds after the unit stops.



Press **[SUB FUNK]** button repeatedly until  icon displays.

Press **[SUB FUNK]** button when  icon blinks to set or cancel the Robot Cleaning function.

* The  icon will be displayed in case of setting option and disappear in reverse case.

* Robot Cleaning icon disappears automatically when cleaning is done.

* In order to cancel Robot Cleaning function manually, press Sub function button repeatedly until the Robot Cleaning mode in the menu, and press **[SUB FUNK]** button to cancel Robot Cleaning function.

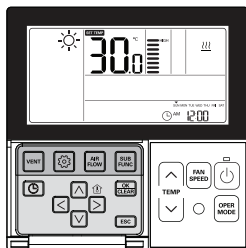
Press **[ESC]** button after setup.

* Some products may not include Robot Cleaning function.

* If the **[SUB FUNK]** button is not selected before you exit, the changes will not apply.

Sub Function – Electric Heater

It is a function to amplify the heating capacity by running an electric heater in the heating mode. This function can be set only in the heating mode.



Press **[FAN FUNC]** button repeatedly until **[Electric Heater Icon]** icon displays.

Turn on/off electric heater by pressing **[FAN FUNC]** button.

* The **[Electric Heater Icon]** icon will be displayed in case of setting option and disappear in reverse case.

Press **[ESC]** button after setup.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the **[ESC]** button is not selected before you exit, the changes will not apply.

- Heater function is additional function and it only operates in selected models.
- The indoor unit product with Auxiliary Heater function set automatically displays (H) icon during the AUXILIARY HEATING OPERATION.

When using non-heat recovery out door unit, emergency heater can be turned on for simultaneous heating and cooling. Indoor unit with the emergency heater must be turned OFF for simultaneous cooling and heating.

Emergency heater can be turned on while in error code in case of emergency. Electric heater icon is displayed on LCD display window with error code when emergency heater is on while in error

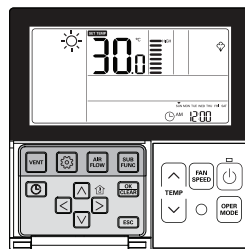
* Exception case: Error code 1,3,9,10

* If the previous mode of the Indoor unit is COOL, DRY or FAN ONLY mode, heater must be turned on manually.



Sub Function – Humidifier

It is a function to run the built-in humidifier when the air in the room is dry.



Press **[FAN FUNC]** button repeatedly until Humidifier **[Humidifier Icon]** icon displays.

Turn on/off Humidifier by pressing **[FAN FUNC]** button.

* The **[Humidifier Icon]** icon will be displayed in case of setting option and disappear in reverse case.

Press **[ESC]** button after setup.

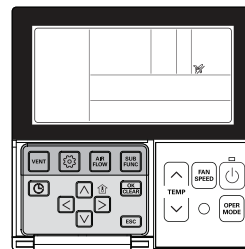
* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the **[ESC]** button is not selected before you exit, the changes will not apply.

- Some products may not include humidifying function.

Sub Function – Mosquito Away

Only products with mosquito away function can use this.



Press **[FAN FUNC]** button repeatedly until mosquito away **[Mosquito Icon]** icon displays.

Turn on/off mosquito away function by pressing **[FAN FUNC]** button.

* The **[Mosquito Icon]** icon will be displayed in case of setting option and disappear in reverse case.

Press **[ESC]** button after setup.

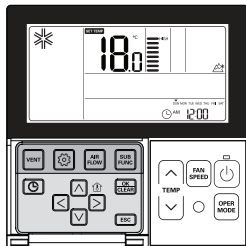
* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the **[ESC]** button is not selected before you exit, the changes will not apply.

- Some products may not include mosquito away function.

Sub Function – Himalaya Cooling

Only products with Himalaya Cooling function can use this.



Press **ESC** button repeatedly until Himalaya cooling  icon displays.

Turn on/off Himalaya cooling function by pressing **ESC** button.

* The  icon will be displayed in case of setting option and disappear in reverse case.

Press **ESC** button after setup.

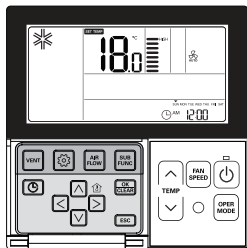
* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the **ESC** button is not selected before you exit, the changes will not apply.

- Some products may not include Himalaya cooling function.

Sub Function – Fan Auto

It is the function that operates the fan when the outdoor unit is running. Only indoor units with fan auto function can use this.



Press **ESC** button repeatedly until fan auto  icon displays.

Turn on/off fan auto by pressing **ESC** button.

* The  icon will be displayed in case of setting option and disappear in reverse case.

Press **ESC** button after setup.

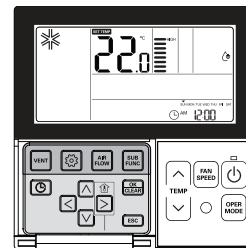
* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the **ESC** button is not selected before you exit, the changes will not apply.

- Some products may not include this function.

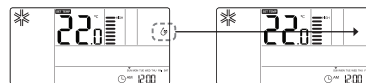
Sub Function – Setting method for Comfort cooling

Comfort cooling is the function to keep the comfortable sensation by controlling the cooling strength automatically without turning off the power of the product even after room temperature reaches the desired temperature selected.



Press the Additional operation button until the icon of Comfort cooling is displayed.

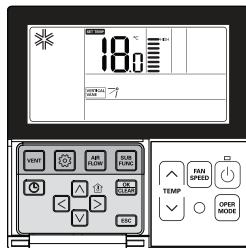
Comfort cooling icon is blinking on the display screen, and if **ESC** button is pressed at this time, Comfort cooling icon is fixed and the function is set.



Press the **ESC** button to exit the setting mode.

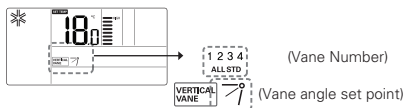
Function setting – Vane Angle Control

You can adjust the angles of air flow.



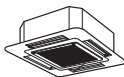
Press button.

Press button repeatedly to select the Vane Angles Setting in the menu.



(Vane Number)

(Vane angle set point)



Select the Vane number using button.

* Vane Number: No.1, No.2, No.3, No.4, ALL, Standard.

- The selected vane activates. Verify the active vane.

- Select 'All' to program the angle of all the vanes.

- Select 'Standard' to program as the factory default settings.



Select the vane angle using button, and press button.

- The range of vane angles setting can be changed to 5 levels or 6 levels according to the product.

- When selecting 'Standard' for Vane number, the vane angle does not move.



Program the vane angles for the remaining vanes as the same as above.

* Some products include only No.1 and No.2 vanes.

1 2



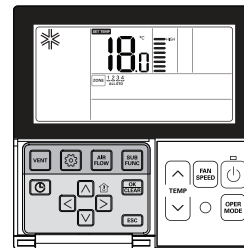
Press button to exit after setup.

* If no button is selected for about 60 seconds after setup, it exits the setup mode automatically.

* If the button is not selected before you exit, the changes will not apply.

Function setting – Zone Control

You can turn on/off the zones by used of it.



Press button repeatedly until icon flash.

Press button to select the zone that which one you want to turn on/off.

Press button to turn on/off zone.

Press button to select other zones if you want.

Then, Press button to turn on/off that zone as mentioned above.

Press button to exit or system will automatically release without any input after 60 seconds.

* When exiting without pressing set button, the manipulated value is not reflected.

ZONE 1 2 3 4
ALL STD



ZONE 1 2 3 4
ALL STD

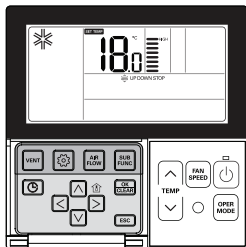


ZONE 1 2 3 4
ALL STD



Function setting – Elevation Grill

This function is to run the elevation grill to clean the filter of indoor unit.



Press button repeatedly until icon is blinking.

Move to DOWN using button, and press button. DOWN icon displays and the elevation grill will descend.



When the elevation grill descends to the desired point, move to 'Stop' icon using button and press button to stop the elevation grill.



When filter cleaning is finished, fix the filter to the grill, and move to UP icon using button. And press button to ascent the elevation grill.



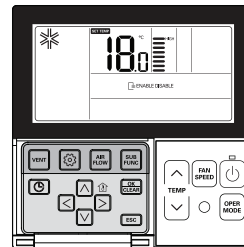
Press button to exit after setup.

- * If no button is selected for about 60 seconds after setup, it exits the elevation grill mode automatically.
- * If the button is not selected before you exit, the changes will not apply.

- The elevation grill function is available only in the indoor unit with a built-in elevation grill.

Function setting – Auto Cleaning

Auto cleaning is a function to remove moisture or mold after turning off the cooling system by drying the inside of indoor unit.



Press button repeatedly to select Auto cleaning in the menu.

icon will display and the current status of ENABLE or DISABLE icon will blink.

Move to ENABLE using button, and then ENABLE icon will blink. Press button to set the auto cleaning function.



When returning to DISABLE, press button to select DISABLE icon. And then press button cancel the auto cleaning function.

Press to exit after setup.

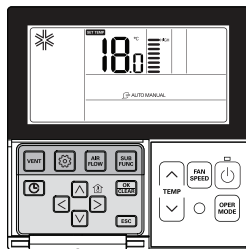
- * If no button is selected for about 60 seconds after setup, it exits the setup mode automatically.
- * If the button is not selected before you exit, the changes will not apply.

- Some products may not include auto-drying function.

Function setting – Automatic Setting for Robot Cleaning

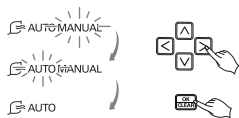
Robot Cleaning is a function that a built-in cleaner performs a filter cleaning automatically when air-conditioner runs for the scheduled hours.

It programs the robot cleaning function runs manually or automatically.



Press button repeatedly until icon is blinking.

Move to icon using button, and press button to select the automatic robot cleaning function.



When returning to the manual robot cleaning, press button to move to icon and press button to select the manual robot cleaning function.

Press button to exit after setup.

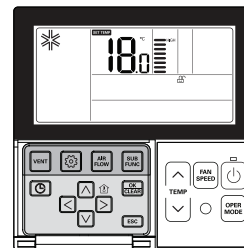
※ If no button is selected for about 60 seconds after setup, it exits the setup mode automatically.

※ If the button is not selected before you exit, the changes will not apply.

- Some products may not include robot cleaning function.

Function setting – Child Lock

This function is to lock the buttons to prevent children or others from careless using.



Press button repeatedly until icon is blinking.

Move to icon using button.

The icon will blink, and press button to set the lock function.



To cancel the lock function, press button to move to icon. And then press button.

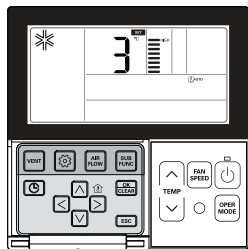
Press button to exit after setup.

※ If no button is selected for about 60 seconds after setup, it exits the setup mode automatically.

※ If the button is not selected before you exit, the changes will not apply.

Function setting – Change Temperature

Change temperature is a function to automatically change the temperature between cooling/heating according to the temperature in the Auto operation mode.



Press  button repeatedly to select the change temperature function in the menu.

 icon will display and the changed temperature will blink in the temperature display section.

Press  button to change the temperature set value.

* Range of change temperature: programmable within 1~7

When the desired temperature is displayed, press  button to complete the setting.

Press  button to exit after setup.

* If no button is selected for about 1 minute after setup, it exits the setup mode automatically.

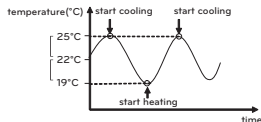
* If the  button is not selected before you exit, the changes will not apply.

* This function is available only for cooling/heating system.

Example of Change Temp

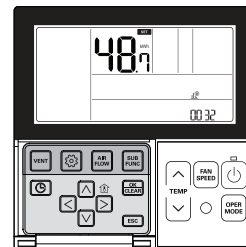
Conditions

- 1) Mode: Auto operation
- 2) Desired temperature: 22°C
- 3) Change temperature: 3°C



If it falls under the conditions described above, it will run as shown in the graph.

Function setting – Power Consumption



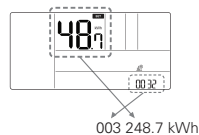
Press  button repeatedly to select the power consumption in the menu.

 icon will display and the accumulated power consumption will display in the temperature and the current time display section.

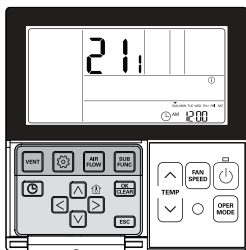
Press  to exit.

If no button is selected for about 1 minute after setup, it exits the setup mode automatically.

Ex) when the accumulated power consumption is 3248.7 kWh



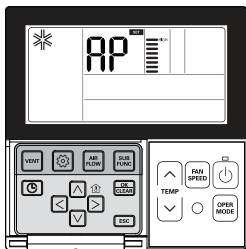
- Some product may not include the power consumption display function
- This function is available only when PDI is installed.



Category	Display Values								
Outdoor Unit	No.	Model	No.	Model	No.	Model	No.	Model	
	0	Multi-V	1	Multi	2	Single	3	Multi-V	
Indoor Unit	No.	Model	No.	Model	No.	Model	No.	Model	
	0	CST	5	Direct Expansion Ventilation	A	Hydrokit for medium temperature			
	1	Duct	6	Console	B	Hydrokit for high temperature			
	2	CVT	7	Single Package	C	Showcase			
	3	PAC	8	General Ventilation	D	VAHU			
	4	RAC	9	AWHP	E	FAU			
Capacity		No.	Capacity	No.	Capacity	No.	Capacity	No.	Capacity
	Multi-V	0	5k	4	15k	8	36k	C	76k
		1	7k	5	18k	9	42k	D	96k
		2	9k	6	24k	A	48k	E	-
		3	12k	7	28k	B	54k	F	-
	Multi	0	5k	4	12k	8	20k	C	-
		1	7k	5	14k	9	24k	D	-
		2	8k	6	15k	A	30k	E	-
		3	9k	7	18k	B	36k	F	-
	Single	0	9k	4	24k	9	54k	55k	-
		1	12k	5	30k	A	60k	62k	-
		2	18k	6	36k	B	70k	-	-
		3	21k	7	42k	C	85k	-	-
	Multi-V	0	21k	4	-	8	-	C	-
		1	30k	5	-	9	-	D	-
		2	60k	6	-	A	-	E	-
3		-	7	-	B	-	F	-	
Data unavailable (common)	-								

Function Setting – WLAN(Wireless LAN) Module Access Point mode

It is the function to operate WLAN (Wireless LAN) module connected to the product in access point mode. This function is available for particular models to apply WLAN Module. Refer to the installation manual of product whether available or not.



Push the  button repeatedly until the term of 'AP' is displayed on the screen.

Press the  button.

✦ After setup, it automatically gets out of setup mode.

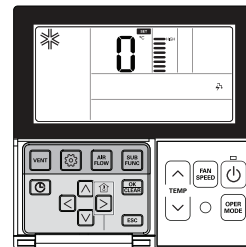
While WLAN module is operating in access point mode, the term of 'AP' blinks on the screen of wired remote controller.

- It will take approx. five (5) seconds before WLAN module operates in access point mode.
- In the case WLAN module is not installed, the access point mode does not work.

Function setting – Smart Load Control

Smart Load Control is the function to operate by calculating the necessary efficiency from the indoor and outdoor air temperature and humidity.

The corresponding function setting is available when connecting the products designated as outdoor unit Function setting master.



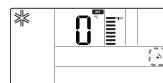
Press the  button.

If  button is pressed repeatedly, it is moved to Smart Load Control stage setting menu.

At this time, Smart Load Control icon is displayed and the setting value on the temperature display area is flickering.

Press   button and select Smart Load Control stage setting value.

✦ Smart Load Control stage can be set from 0 to 4, and it controls the strength of the cooling or heating function at the initial stage of operation.



0 : Function not used

1 : Smooth mode

2 : Normal mode

3 : Peak mode

4 : Load Matching Control mode

If desired Smart Load Control stage value is displayed, press  button to complete setting.

If setting is completed, press  button.

✦ If there would be no button input for about 1 minute after setting, it exits from the setting mode automatically.

✦ If it is exited without pressing setting button, the handled value is not reflected.

When Smart Load Control is operated, Smart Load Control operation status is displayed as below.

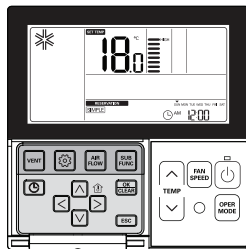


Smart Load Control function may not work on some products.

Step 4 settings may not be available on some indoor unit products.

Programming – Simple Reservation

Simple reservation function can be scheduled to stop while the system is in operation or to run while the system is not in operation.



Press **[ON]** button to enter the programming mode.

Press **[ON]** button repeatedly to select 'SIMPLE'.
[SIMPLE] icon will blink and the scheduled time '0' will display.

Press **[▲]** **[▼]** button to program the scheduled time.
The scheduled time can be programmed from 1 hour up to 7 hours.



Press **[ESC]** button when the simple programming is finished.

- When the schedule setting is completed, **[SIMPLE]** icon will display in the lower LCD screen.

Press **[ESC]** to exit.

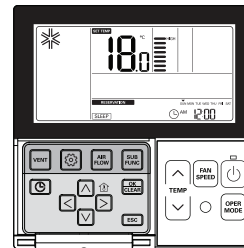
* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the **[ESC]** button is not selected before you exit, the changes will not apply.

For the simple programming, if the scheduled time expires, the system will run or stop automatically.

Programming – Sleep Reservation

Sleep Reservation is a function that the air-conditioner runs in the sleep mode or stops after certain period of time while you are sleeping. When sleep mode is programmed after connecting to a ventilator, and in a certain period of time after sleep mode operation, only sleep mode will be cancelled.



Press **[ON]** button to enter the programming mode.

Press **[ON]** button repeatedly to select 'SLEEP'. **[SLEEP]** icon will blink and the scheduled time will display.

Press **[▲]** **[▼]** button to program the scheduled time.
The scheduled time can be programmed from 1 hour up to 7 hours.



Press **[ESC]** button when the SLEEP programming is completed.

Press **[ESC]** to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the **[ESC]** button is not selected before you exit, the changes will not apply.

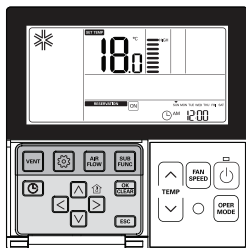
- When the Sleep schedule is cancelled, **[SLEEP]** icon will disappear.

NOTE

Set the moderate amount of time for SLEEP mode. (Excessive cooling is harmful for your health.)

- The desired temperature in the remote controller and the unit may not be identical because the SLEEP mode runs automatically adjusting the desired temperature for a pleasant cooling.
- Some product without a temperature control by 0.5°C operates OFF reservation instead of SLEEP reservation.

It turns ON automatically at the time programmed.



Press button repeatedly to select 'ON'.
'ON' icon and 'AM' icon will blink.

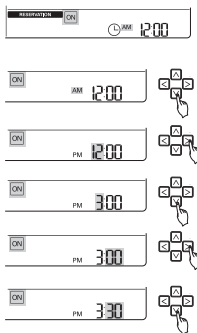
Set 'AM/PM' using button.

Move to 'Hour' using button,

and set the 'Hour' using   button.

Move to 'Minute' using button,

Set the 'Minute' using   button.



Press  button when the ON reservation is completed.

Press **ESC** to exit.

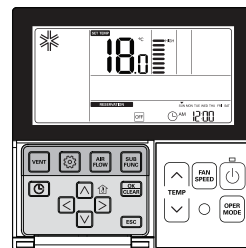
* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the button is not selected before you exit, the changes will not apply.

- When the schedule setting is completed,  icon will display in the lower LCD screen, and the system will run at the time programmed.
- When the ON schedule is cancelled,  icon will disappear.

It turns OFF automatically at the time programmed.

It turns OFF automatically at the time programmed.



Press button to enter the programming mode.

Press  button repeatedly to select 'OFF'.
'OFF' icon and 'AM' icon will blink.



* You can program the 'AM/PM', 'Hour' and 'Minute' as the same way as the ON reservation.

Press  button when the OFF reservation is completed.

Press **ESC** to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

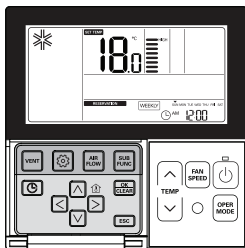
* If the button is not selected before you exit, the changes will not apply.

- When the schedule setting is completed,  icon will display in the lower LCD screen, and the system will stop at the time programmed.
- When the schedule is cancelled,  icon will disappear.

Programming – Weekly Reservation

You can program daily schedule by week.

Weekly reservation keeps operating until before you cancel it once you setup.



Press **[TIMER]** button to enter the programming mode.

✦ Weekly reservation can be programmed 2 schedules for one day, and up to 14 reservations for a week.

Ex) To program **[2]** Tuesday AM 11:30 ON~PM 12:30 OFF, follow the instructions as below.

Press **[WEEKLY]** button repeatedly to select 'WEEKLY'.

[WEEKLY] will blink.

Select 1 or 2 using **[1]** **[2]** button.

✦ You can program 2 schedules per day such as WEEKLY 1, WEEKLY 2.

Move to 'Day' using **[SUN]** **[MON]** **[TUE]** **[WED]** **[THU]** **[FRI]** **[SAT]** button.

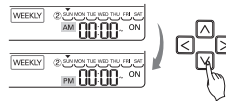
When the 'Day' is blinking, set the day.

Day setting is available for Monday through Sunday.

Move to 'AM/PM' using **[AM]** **[PM]** button, and select AM/PM.

Move to 'Hour' section in the ON setting using **[HOUR]** button.

- This section is to program when the air-conditioner will turn ON.



Change the time using **[HOUR]** **[MINUTE]** button.

- You can program the 'Hour' from 1 hour up to 12 hours.

Move to 'Minute' section in the ON setting using **[MINUTE]** button.

When the 'Minute' button is blinking, press Up/Down button to set the 'Minute'.

Move to 'AM/PM' section in the OFF setting using **[AM/PM]** button.

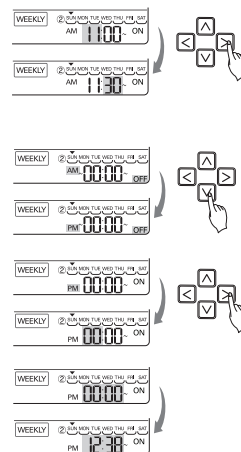
- AM/PM setting is the same as the ON time setting.

Move to 'Hour' section in the OFF setting using **[HOUR]** button.

- This section is to program when system will turn OFF.

- When the 'Hour' button is blinking, set the 'Hour'.

✦ Program the 'Hour' and 'Minute' as the same way as the ON time setting.



Press **[SET/CANCEL]** button Weekly Reservation programming is completed.

Set the OFF time later than the ON time when programming the time for Weekly Reservation

✦ If programming the temperature using the Up/Down button for the desired temperature during the weekly reservation, the system will be ON at the desired temperature.

- When desired temperature is not programmed, it is turned on automatically with desired temperature of previous operation.

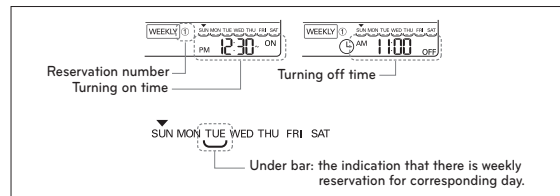
✦ To cancel all the Weekly Reservation programmed,

- Press Set/Cancel button when the **[WEEKLY]** icon is blinking.

✦ To cancel the weekly reservation individually,

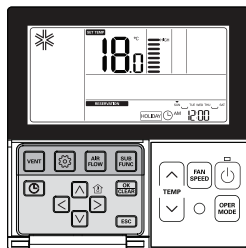
- Select the day you want to cancel and set the ON time and OFF time identically, and press Set/Cancel button.

< Weekly Reservation Description >



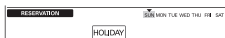
Programming – Holiday Reservation

The system will stop automatically on a set day.



Press **[HOLIDAY]** button to enter the Schedule Programming mode.

Press **[HOLIDAY]** button repeatedly to select 'HOLIDAY'.



Move to the 'Day' you want to set using **[LEFT]** **[RIGHT]** button.



Set or cancel HOLIDAY using **[HOLIDAY]** button or **[ESC]** button.

Ex) If Monday/Friday is programmed as HOLIDAY, 'MON', 'FRI' will disappear.



Press **[ESC]** button to exit.

- Once set as HOLIDAYS, the system will stop automatically within 1 hour even after operating the air-conditioner unless the HOLIDAYS schedule is cancelled.

Ventilation Product User Manual – Interlinked Air conditioner and Ventilation

You can control the system by using a wired remote controller for an air conditioner indoor unit interlocked with a ventilator.

- When applying power, the remote controller will work after recognizing the system (for about 30 seconds).

	Single Operation	Interlinked Operation
General Ventilation	(General Ventilation Single Operation) 	(General Ventilation Interlinked Operation)
Direct Expansion Ventilation	(Direct Expansion Ventilation Single Operation) 	(Direct Expansion Ventilation Interlinked Operation)

※ Connecting method is identical with the one in air conditioner instructions manual.
(See the Group control page in the Remote controller manual.)

Press **[VENT]** button on the wired remote controller to enter the ventilation control mode in order to verify the ventilator's operation.



Fig 2-1. Air conditioner mode

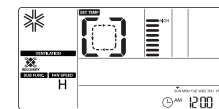


Fig 2-2. Vent mode

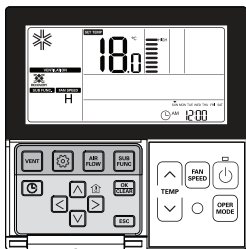
In order to return to the air conditioner mode, press 'Vent' button in the ventilation mode.

- If no button is selected for more than 15 seconds in the ventilation mode, the system will automatically convert to air conditioner mode.

※ The ventilators include general ventilators and direct expansion ventilators.

Ventilation Product Additional Operations – Fast/Energy Saving

This function is to facilitate the ventilation function more efficiently by setting quick/energy-saving mode in the additional functions of ventilator.



Fast

It ventilates quickly.

Press **ESC** button in the Vent mode.

- The additional vent mode converts Fast → Energy-saving sequentially.

Press **ESC** button when the **VENT** icon blinks on the display screen.



Press **ESC** button to exit.

Energy Saving

It performs Energy-saving function while ventilating efficiently.

Press **ESC** in the Vent mode.

The additional vent mode converts Fast → Energy-saving sequentially.

Press **ESC** button when the Energy-saving icon blinks on the display screen.



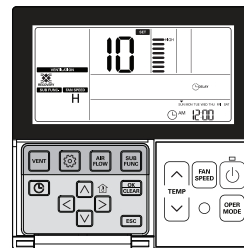
Press **ESC** button to exit.

* The additional mode of general ventilation and direct expansion ventilation is identical.

* The additional mode settings for air cleaner/heater/humidifier are as the same as the air conditioner.

Ventilation Product Function Settings

Ventilation starts after delay time.



Delay time

Ventilation starts after delay time.

Press **ESC** button.

Press **ESC** button repeatedly to move to the delay time in the menu.

The **DELAY** icon displays and blinks in the temperature display section.



Change the set value for delay time using **Δ** **▽** button.

* The range of delay time settings : 00 ~ 60 (By 1 minute)

Press **ESC** button to complete the settings when the desired value for delay time displays.

Press **ESC** button to exit.

* If no button is selected for about 1 minute after setup, the system will exit automatically.

* If the **ESC** button is not selected before you exit, the changes will not apply.

Lock, Filter Cleaning, Time Setting, Converting Temperature

* Refer to 'Function Settings - Child Lock' part for lock function.

* Refer to 'Function Settings - Filter Sign Clear' part for Filter Cleaning function.

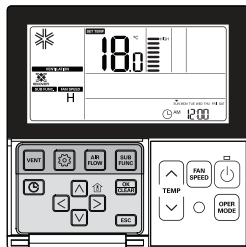
* Refer to 'Function Settings - Changing Current Time' part for Time Setting function.

* Refer to 'Function Settings - Change Temperature' part for Temperature Conversion function.

Ventilation Product Reservation Settings

Sleep Reservation

You can program a ventilator to run moderately while you are sleeping

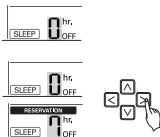


Press **[SLEEP]** button to enter the schedule programming mode.

Press **[SLEEP]** button repeatedly to move to SLEEP in the menu.
[SLEEP] icon will blink and the scheduled time will display.

Set the scheduled time using **[▲]** **[▼]** button.
 You can program the scheduled time from 1 hour up to 12 hours.

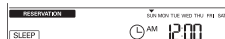
Press **[SLEEP]** button when the SLEEP schedule is programmed.



Press **[ESC]** button to exit

- * If no button is selected for about 25 seconds after setup, the system will exit automatically.
- * If the **[SLEEP]** button is not selected before you exit, the changes will not apply.
- Once the schedule is programmed, **[SLEEP]** icon will display in the lower part of LCD.

- **[SLEEP]** icon will disappear when the schedule is cancelled.

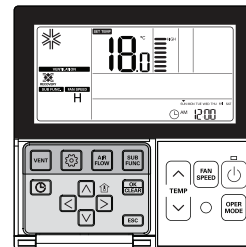


If the SLEEP schedule is programmed, the system will run moderately during the scheduled time.

Simple, ON, OFF, Weekdays, Holidays Reservations

- * Please refer to the Reservation Settings part of the air conditioner for Simple, ON, OFF, Weekdays, Holidays Reservations

Ventilation Product Installer Setting Functions

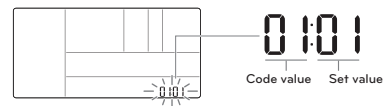


Press **[INSTALLER]** button to enter the ventilation mode.

Press and hold **[INSTALLER]** button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.
- Make sure to press and hold for more than 3 seconds.

Once entered the installer settings mode, it displays the programmable data values in the lower right of LCD screen.



- Some items in the menu may not be displayed depending on the product functions, or have different name in the menu.

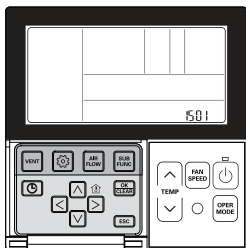
CAUTION

Installer setting is a mode to set the detailed functions of remote controller. If the installer setting mode is set improperly, it may cause a break down, injury, or property damage.

It must be set by a certified technician, and when it is installed without certified technician or changed discretionally, all of the problems are the responsibilities of the installer, and we do not provide service free of charge.

Ventilation Product Installer Setting Functions – Ventilation Fan Speed

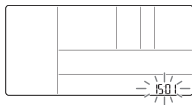
This function is to change the standard fan speed of ventilation.



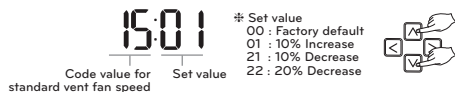
Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.
- Make sure to press and hold for more than 3 seconds.

Press button repeatedly to move to the fan speed settings in the menu as below.



Select the fan speed mode using button.



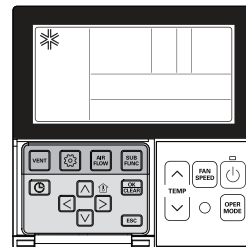
Press button to complete the settings when the standard vent fan speed is selected.

Press button to exit.

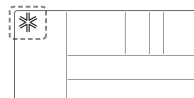
- * If no button is selected for about 25 seconds after setup, the system will exit automatically.
- * If the button is not selected before you exit, the changes will not apply.

Different Mode Drive

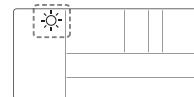
Different mode drive appears when the Indoor Unit have different operating modes if several Indoor Unit are installed for a single outdoor unit.
Different mode drive doesn't appear in the cooling only models.



If an indoor unit is forced to run heating while several Indoor Unit are in a cooling operation with a single outdoor unit, the system will not run heating.

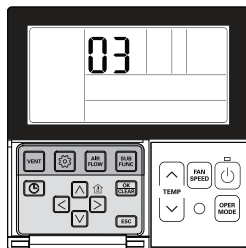


If an indoor unit is forced to run cooling or dehumidifying while several Indoor Unit are in a heating operation with a single outdoor unit, the system will not run cooling or dehumidifying.
It indicates the outdoor is in a heating operation.



Press button and the indoor unit will automatically run in the same operating mode as the other Indoor Unit after about 5 seconds.

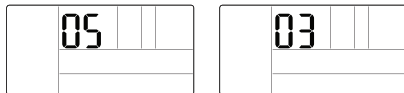
Self-diagnosis for Trouble Mode



It automatically runs a self-diagnosis when there is a trouble detected in the system.

It displays the trouble mode number with maintenance CODE.

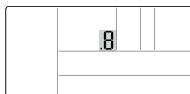
<Individual control>



<Group control>

* When detecting an error during group control, the system will display as below.

<In case of CH05 ERROR, 4 letters C,H,0,5 will display one by one.>



In order to expedite a service, please remember the error number and provide it when consulting an installer.

An emergency elevation grill can be operated even in the case of errors.

(Except the trouble mode number 03)

* If the centralized control lock or wired remote controller lock is programmed, this function will not work.

* Some product may not include this function.

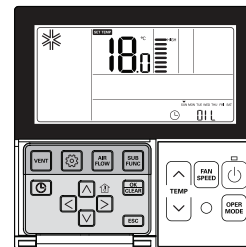
Outage Compensation Function

If power supply fails due to outage or other reasons, the outage compensation function automatically retrieves the operating conditions previously programmed before the power failure. Thus, you don't need to press any buttons.

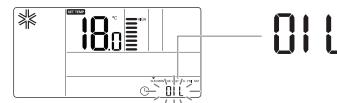
(Additional functions will not be retrieved automatically.)

Oil Change Warning

Only products with GHP(Gas Heat Pump) Product can use this.



Once the operation hours of the outdoor unit passes 10,000hours, the oil change-Indicator alarm occurs. When the alarm occurs, refer to the cover immediately to contact a service center in order to change the oil.

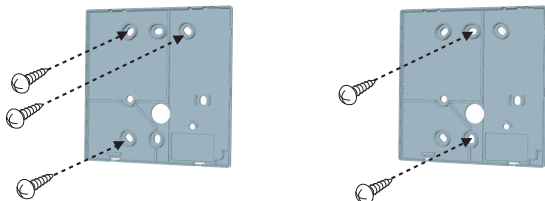


- When the oil is not changed, an error will occur to make the product impossible to run.

INSTALLATION INSTRUCTION

Please fix tightly using provided screw after placing remote controller setup board on the place where you like to setup.

- Please set it up not to bend because poor setup could take place if setup board bends.
Please set up remote controller board fit to the reclamation box if there is a reclamation box.
- Install the product so as not to make a gap with the wall side and to prevent shaking after the installation.

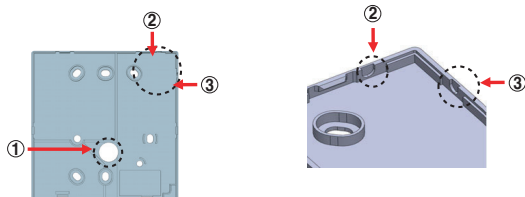


Can set up Wired remote controller cable into three directions.

- Setup direction: the surface of wall reclamation, upper, right
- If setting up remote controller cable into upper and right side, please set up after removing remote controller cable guide groove.

* Remove guide groove with long nose.

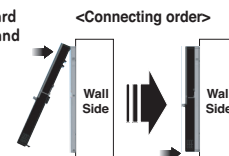
- ① Reclamation to the surface of the wall
- ② Upper part guide groove
- ③ Right part guide groove



<Wire guide grooves>

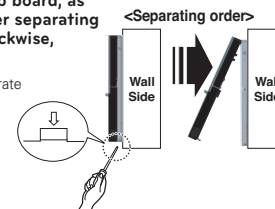
Please fix remote controller upper part into the setup board attached to the surface of the wall, as the picture below, and then, connect with setup board by pressing lower part.

- Please connect not to make a gap at the remote controller and setup board's upper and lower, right and left part.
- Before assembly with the installation board, arrange the Cable not to interfere with circuit parts.



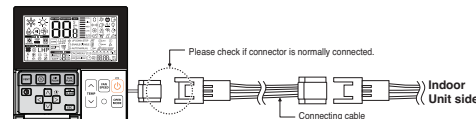
When separating remote controller from setup board, as the picture below, after inserting into the lower separating hole using screw driver and then, spinning clockwise, remote controller is separated.

- There are two separating holes. Please individually separate one at a time.
- Please be careful not to damage the inside components when separating.



Please connect indoor unit and remote controller using connection cable.

DC 12 V	Red
Signal	Yellow
GND	Black



CAUTION

- Installation work must be performed in accordance with the national wiring standards by authorized personnel only.
- Installations must comply with the applicable local/national or international standards.
- Apply totally enclosed noncombustible conduit (metal raceway) in case of local electric & building code require plenum cable usage.

Please use extension cable if the distance between wired remote controller and indoor unit is more than 10m.

CAUTION

When installing the wired remote controller, do not bury it in the wall. (It can cause damage in the temperature sensor.)

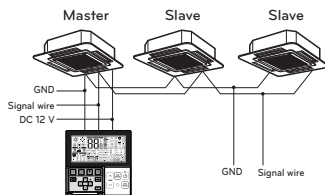
The total cable length must not exceed 50m. (It can cause communication error.)

- When installing the extension cable, check the connecting direction of the connector of the remote controller side and the product side for correct installation.
- If you install the extension cable in the opposite direction, the connector will not be connected.
- Specification of extension cable: AWG 24, 3 conductor or above

Group Control

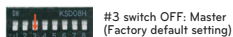
When installing more than 2 units of air conditioner to one wired remote controller, please connect as the right figure.

- If it is not event communication indoor unit, set the unit as slave.
- Check for event communication through the product manual.

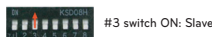


When controlling multiple indoor units with event communication function with one remote controller, you must change the master/slave setting from the indoor unit.

- After completion of master/slave setting of indoor unit and turn off the unit, 1 minute later turn it on again.
- For ceiling type cassette and duct product group, change the switch setting of the indoor PCB.



#3 switch OFF: Master
(Factory default setting)



#3 switch ON: Slave

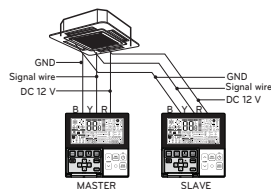
- For wall-mount type and stand type product, change the master/slave setting with the wireless remote controller. (Refer to wireless remote controller manual for detail)

※ When installing 2 remote controllers to one indoor unit with event communication function, set the master/slave of the remote controller. (Refer to remote controller master/slave selection)

When controlling the group, some functions excluding basic operation setting, fan level Min/Mid/Max, remote controller lock setting and time setting may be limited.

When installing more than 2 wired remote controllers to one air conditioner, please connect as the right picture.

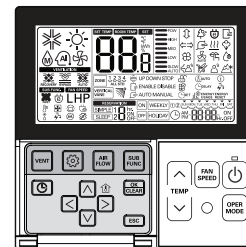
- When installing more than 2 units of wired remote controller to one air conditioner, set one wired remote controller as master and the others all as slaves, as shown in the right picture.
- You cannot control the group as shown in the right for some products.
- Refer to the product manual for more detail.



<When simultaneously connecting
2 sets of wired remote controller>

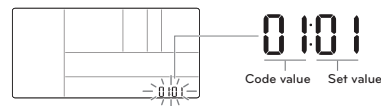
- When controlling in groups, set the master/slave of the remote controller. Refer to Installer setting section on how to set master/slave for more detail.

Installer Setting – Installer Setting Mode Approach



Keep pressing (over 3 seconds) the button repeatedly to scroll to the required function as described in the Installer setting code table below. Use the arrow buttons to select the required value, and then press the button. You can leave the installer menu by pressing . Alternatively, the installer mode will cease automatically if no buttons have been pressed for about 25 seconds.

Once entered the installer settings mode, it displays the programmable data values in the lower right of LCD screen.



- Some items in the menu may not be displayed depending on the product functions, or have different name in the menu.

CAUTION

Installer setting is a mode to set the detailed functions of remote control. If the installer setting mode is set improperly, it may cause a break down, injury, or property damage. The installation requires an expertise and must be performed by one of our service centers or expert installer providers. The person who performed an installation takes responsibility for any troubles associated with the installation, and in this case, service will be charged.

Installer Setting Code Table

<General air conditioner product code table>

Code	Function	Value
01	Test run	01 : Set
02	Address Setting	00~FF : Address
03	E.S.P. Value	<ESP Step> <ESP Value> <Example> 01 : VeryLow 0 ~ 255 02 : Low 03 : Med 04 : High 05 : Very High 0301 002 Function Code ESP step ESP value
04	Thermistor	01 : Remote control, 02 : Indoor unit, 03 : 2TH
05	Ceiling Height	01 : Low, 02 : Med, 03 : High, 04 : Very High
06	Static Pressure	01 : V-H, 02 : F-H, 03 : V-L, 04 : F-L
07	Master Setting	00 : Slave * If only "Plus1" series models 01 : Master 00 : Group setting 01 : Single setting
08	Override Setting	00 : Slave, 01 : master
09	Dry Contact	00 : Auto-Off, 01 : Auto-On
10	Release 3 Min. Delay	01 : Set
11	Zone State	01 : Variable, 02 : Fixed
12	Celsius Fahrenheit Switching	00 : Celsius, 01:Fahrenheit (Optimized only for U.S.A)
13	Zone Type	00 : Zone Controller, 01:Damper Controller
14	Zone Number	02~04(Zone number)
17	Centigrade Control Settings	00 : 1 °C Control , 01 : 0.5 °C Control
18	Emergency Heater Setting	Select mode Setup Low Ambient Setup FAN Heating Operation Speed 00 : not use 00 : not use 0 : fan off 01 : use 01~03: Setting step 1 : fan on 01~15 : Setting step (step expand indoor unit)
19	Function Setting for Group Control	01 : Not in use, 02 : In use
20	Plasma	00 : Not Installed 01 : Installed
21	Electric heater	
22	Humidifier	
23	Elevation Grill	
24	Ventilation Kit	
25	Auxiliary Heater	00 : Not Installer 01 : Installed-Normal 02 : Installed-Duct type
26	Indoor unit address checking	00 : Not Installed, 01: Installed
29	Settings for Refrigerant Leak Detector Installation	00 : Not Installed, 01: Installed
32	Static Pressure step	00 : use static pressure (code 06) set value 01~11 : static pressure step (code 32) set value

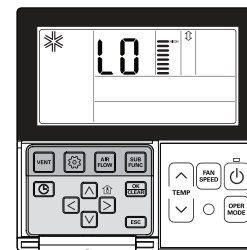
35	Fan operation in the cooling mode and thermal off conditions.	00 : Fan speed -Low 01 : Fan OFF 02 : Fan speed setting value
36	Use Primary Heater control	00 : Cancel primary heater control 01 : use primary heater control
38	Air conditioner Fan operation interlocked with ventilation	00 : air-conditioner fan operate very low 01 : air-conditioner fan off
39	Indoor unit Auto-Start setting	00 : Use indoor unit auto restart 01 : not use indoor unit auto restart
40	Occupancy sensor 'occupy maintain' time setting	00 : 0 minute 01 : 10 minutes 02 : 30 minutes 03 : 60 minutes
41	Simple Dry Contact Setting	00 : Default 01 : Not Use Simple Dry Contact 02 : Use Simple Dry Contact 03 : Use for digital input
44	Setting the stage value of Comfort cooling	00 : Power-saving effect low 01 : Power-saving effect medium 02 : Power-saving effect High
46	Setting the Fan continuous	00 : not used 01 : Fan continuous used
47	Outdoor unit Function setting master/slave	00 : Outdoor unit Function slave 01 : Outdoor unit Function master
48	Setting the silent mode	00 : Not used 01 : silent mode low 02 : silent mode high
49	Setting the outdoor unit defrost mode	00 : Not used 01 : Forced remove piled snow mode 02 : Fast defrost mode 03 : Forced remove piled snow and Fast defrost mode
51	Setting automatic temperature-based wind	00 : not used 01 : Use temperature-based fan speed 'auto'
52	CN_EXT setting	00 : Not use 01 : Simple Operation 02 : Simple Dry Contact 03 : Single emergency stop 04 : Occupied/Unoccupied 05 : All emergency stop
56	Outdoor unit cycle priority	<Select Mode> 00 : Not use 01 : Standby 02 : Cool < Step > [Not use, Standby] None [Cool] 0~5 Step
57	Outdoor temperature for heating stages	<Setting range> [Use/Not use] None [T1 setting range] -23~16°C (-10~60°F) [ΔT setting range] 0~35°C (0~70°F) <Select Mode> 01 : Use/Not use 02 : T1 03 : ΔT
60	CN_PTC setting	00 : Normal 01 : Special

* Some contents may not be displayed depending on the product function

Code	Function	Value
01	Test run	01 : Test Run Setup
02	Address Setting	00~FF : Address of Central Control
03	SA(Supply Air) ESP	<ESP Step> <ESP Value> <Example>
04	EA(Exhaust Air) ESP	01 : Low 02 : High 03 : Super High 030 1 15 Function Code ESP step ESP value
05	Product Direction	01 : Normal 02 : Opposite
06	Quick Refresh Priority	01 : Supply Air First 02 : Exhaust Air First
07	Master Setting	00 : Slave 01 : Master
08	Override Setting	00 : Slave 01 : Master
09	Dry Contact	00 : Auto-Off 01 : Auto-On
10	Release Of 3 Minute Delay	01 : Set
11	Zone State	01 : Variable 02 : Fixed
13	Humidification for Singular Ventilation	00 : Not in Use 01 : Use
14	Humidification for Heat Mode Ventilation	00 : Automatic 01 : Manual
15	Ventilation basis fan speed	00 : Factory set default value 11 : 10% increase 21/22 : 10/20% Decrease

* Some contents may not be displayed depending on the product function

A test run must be performed after installation.
See the product manual for more details about test run.



- If pressing only once briefly, it will enter the user settings mode. Make sure to press and hold for more than 3 seconds.
- For the wall-mount product, cancel the wind direction left/right.


 ※ Test run mode value
 00 : Cooling test run
 01 : Heating test run

Test run code value Set value

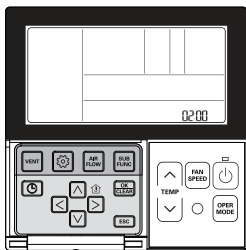
The diagram shows two states of the remote control display:

- Left (Cooling Mode):** The display shows a snowflake icon, the number '10', a fan speed icon (5 bars), and a temperature icon (up arrow). Below the display, the text '<When cooling>' is written.
- Right (Heating Mode):** The display shows a sun icon, the number 'HI', a fan speed icon (5 bars), and a temperature icon (up arrow). Below the display, the text '<When heating>' is written.

- Operation selection, temperature up/down, fan speed, Airflow, run/stop button

Installer Setting – Setting Address of Central Control

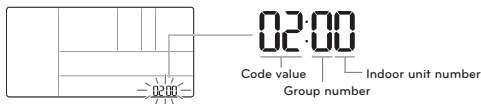
This function is to be used when connecting to a central controller.
See the central controller manual for more detailed functions.



Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.
Make sure to press and hold for more than 3 seconds.

Once entered the address setting mode using button, it displays as below.



Set the group No. using button. (0~F)



Move to the indoor unit No. set value using button.



Set the indoor unit No. value using button. (0~F)



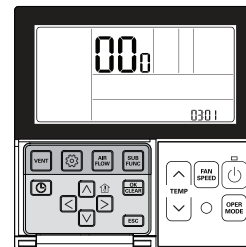
Press button to complete the address setting.

Press button to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
* If the button is not selected before you exit, the changes will not apply.

Installer Setting – ESP Setting

This function is to facilitate the installation by assigning a fan speed value to each speed.

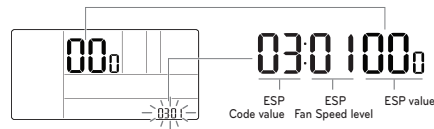


- If the ESP is set improperly, it can cause an air conditioner malfunction.
- This function must be set by a certified/qualified installer.

Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.
Make sure to press and hold for more than 3 seconds.

Once entered the ESP setting mode using button, it displays as below.



Select the level of ESP Fan Speed using button. There are 5 levels in the fan speed, SLOW → LOW → MED → HIGH → POW.



ESP level	Fan Speed
01	SLOW
02	LOW
03	MED
04	HIGH
05	POW.

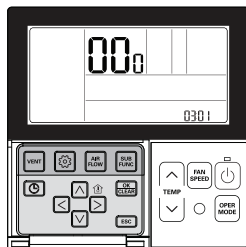
* The ESP set value can be programmed 0~225.

Move to the ESP value settings using button.

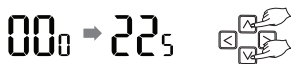
The ESP value numbers will blink.
(It is set 000 by default.)



- If a fan speed ESP value is set for the product without very weak wind or power wind, the system may not operate.



Set the ESP value using button.



(The ESP value can be set from 1 up to 255, and 1 is the smallest value and 255 is the largest value.)

Select a fan speed again using button, and set the ESP value for each speed.

Ex) 120 set for Breeze **03:01120** (ESP value for Breeze : 120)

Ex) 230 set for High **03:04230** (ESP value for High : 230)

Press button to save the setting.

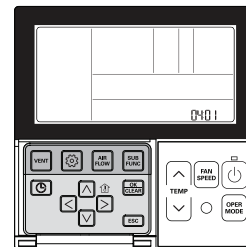
Press button to exit.

- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
- * If the button is not selected before you exit, the changes will not apply.

- Pay special attention not to mix the ESP values for each speed.
- Some product may not allow you to program for Breeze and Power speed.
- The programmable ESP value may vary according to the product and capacity.
- When a power failure compensation is completed after power is on (at least 1 minute), Please set or check the ESP value.

Installer Setting – Thermistor

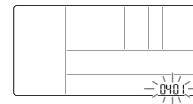
This function is to select a temperature sensor to determine the indoor temperature.



Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.
- Make sure to press and hold for more than 3 seconds.

Move to the Selection of Indoor Temperature Sensor (Thermistor) in the menu using button and then, it displays as below.



Select the location of indoor temperature sensor (Thermistor) using button.

04:01
Code value for Room temperature sensor (Thermistor) Set value

* Set value for sensor location
01 : Remote control
02 : Indoor unit
03 : 2TH

Press button to save the setting.

Press button to exit.

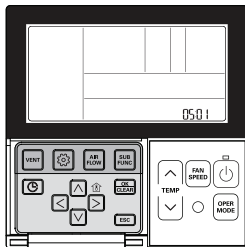
- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
- * If the button is not selected before you exit, the changes will not apply.

Temperature sensor selection location			Function
01	Remote control		Operating by a temperature sensor in Remote controller
02	Indoor unit		Operating by a temperature sensor in the indoor unit
03	2TH	Cooling	Operating at a higher temperature after comparing the temperatures between indoor unit and cable remote control (Some product may operate at a lower temperature.)
		Heating	Operating at a lower temperature after comparing the temperatures between indoor unit and cable remote control

* 2TH functions/features vary according to the product.

Installer Setting – Ceiling Height Selection

This function is to adjust the level of fan speed according to the height of ceiling for ceiling type product.



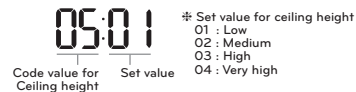
Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Move to Ceiling Height Selection in the menu using and then, it displays as below.

Select the height of ceiling using button.



Press button to save the setting.

Press button to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

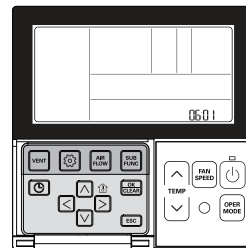
* If the button is not selected before you exit, the changes will not apply.

Ceiling Height Level	Function
01 Low	Operate the indoor fan speed at one level below the average fan speed.
02 Medium	Operate the indoor fan speed at the average fan speed.
03 High	Operate the indoor fan speed at one level above the average fan speed.
04 Very high	Operate the indoor fan speed at two levels above the average fan speed.

- The ceiling height selection settings are limited to some product.
- The very high ceiling height function may not be available for some Indoor Unit.
- See the product manual for more details.

Installer Setting – Static Pressure Setting

Selecting the static pressure is only available for duct products. For other products, the static pressure selection cannot be set.



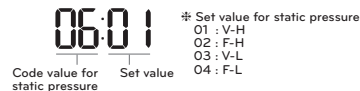
Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Press button repeatedly to move to the static pressure selection in the menu as below.

Select the level of static pressure using button.



Press button to save the setting.

Press button to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

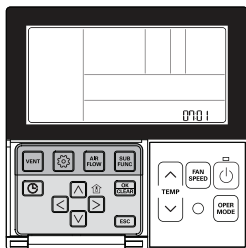
* If the button is not selected before you exit, the changes will not apply.

<Static Pressure Setting Table>

Pressure selection		Function	
		Zone state	ESP standard value
01	V - H	Variable	High
02	F - H	Fixed	High
03	V - L	Variable	Low
04	F - L	Fixed	Low

Installer Setting – Remote Controller Master/Slave Setup

This function is the settings when controlling 2-remote controls or group control.



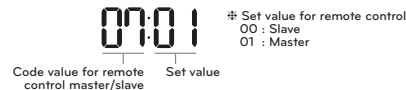
Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Move to the Master/slave selection in the menu using button and then it displays as below.

Select the remote control master/slave using button.



Press button to save the setting.

Press button to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the button is not selected before you exit, the changes will not apply.

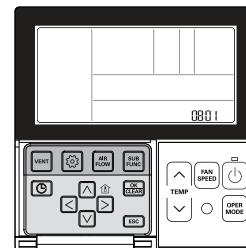
Remote control	Function
01	Master The Indoor Unit run by master remote controller in case of group control. (Set as a master by default)
02	Slave Set all the remote controllers as slaves except one master remote control for group control.

* See the 'Group control' section for more information about master/slave.

- Some functions may not be available during a group control except basic operation settings, fan speed low/med/high, remote control lock setting, time setting.

Installer Setting – Override Master/Slave Setting

Override master/slave selection function is, since Multi-V 7 series model, the function to prevent product's different mode operation. If it setup as the slave, It blocks to change opposite run mode to outdoor unit cycle (cooling/heating).



Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Move to the Master/slave selection in the menu using button and then it displays as below.

Select the operation master/slave using button.



Press button to save the setting.

Press button to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the button is not selected before you exit, the changes will not apply.

* If selected as the operation 'slave', it displays in the remote controller screen as shown in figure 1.

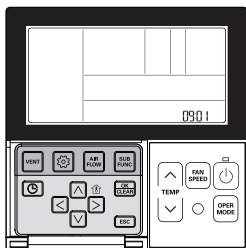


figure 1.

* Some product may not include the operation master/slave selection function.

Installer Setting – Dry Contact mode Setting

This function is available only for the products with dry contact device.

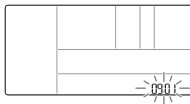


Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Move to the Dry Contact Mode Settings in the menu using button and then it displays as below.



Select the Dry Contact Mode using button.



✦ Set value for dry contact
00 : Manual
01 : Auto



Press button to save the setting.

Press button to exit.

✦ If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

✦ If the button is not selected before you exit, the changes will not apply.

- See the Dry Contact manual for more detailed functions about dry contact mode.

► What is Dry Contact?

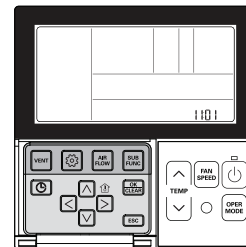
It means a contact signal received when an air conditioner runs interlocking with hotel key card or sensor.

Installer Setting – Zone State

This function is to set the fan speed mode of indoor unit as fixed or variable.

- Variable : Comp ON, setup fan speed. Comp OFF, weak wind

- Fixed : Comp ON, setup fan speed. Comp OFF, setup fan speed.

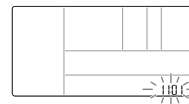


Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Press button repeatedly to move to the zone state selection in the menu as below.



Select the zone state using button.



✦ Set value for Zone State
01 : Variable
02 : Fixed



Press button to save the setting.

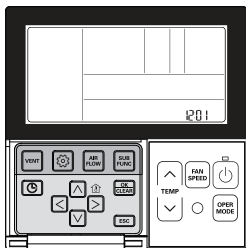
Press button to exit.

✦ If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

✦ If the button is not selected before you exit, the changes will not apply.

Installer Setting – Celsius/Fahrenheit Switching

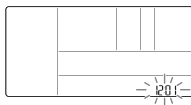
This function is used for switching the display between Celsius and Fahrenheit.
(Optimized only for U.S.A)



Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.
Make sure to press and hold for more than 3 seconds.

Move to the Celsius/Fahrenheit Switching in the menu using button and then it displays as below.



Select the Celsius/Fahrenheit Switching using button.

12.01 * Fahrenheit Setting
 00 : Celsius
 01 : Fahrenheit

Function Code conversion mode value



Press button to save the setting.

Press button to exit.

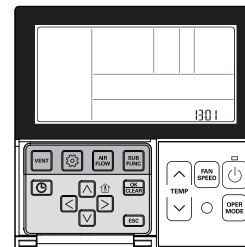
* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.



Whenever press button in Fahrenheit mode, the temperature will increase/drop 2 degrees.

Installer Setting – Zone Type Setting

This function is only available on some products. It is possible to setup zone new type or old one of the product which is available to install the damper controller.



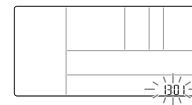
CAUTION

If you set zone number incorrectly, the product may malfunction especially in zone control.
This function must be carried out by a certificated-technician.

Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.
Make sure to press and hold for more than 3 seconds.

Move to the Zone Type Setting in the menu using button and then it displays as below.



Select the Zone Type Setting using button.

13.01 * Zone type setting
 00 : Old
 01 : New

Function Code Zone type value



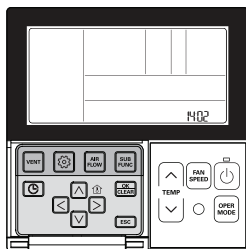
Press button to save the setting.

Press button to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

Installer Setting – Zone Number Setting

This function is only available on some products. Zone Number is to set the number of installed zones. It's possible to control only in zone new type

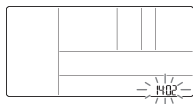


Press and hold  button for more than 3 seconds to enter the installer settings mode.

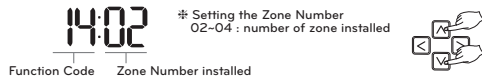
- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Move to the Zone Number Setting in the menu using  button and then it displays as below.



Select the Zone Number Setting using  button.



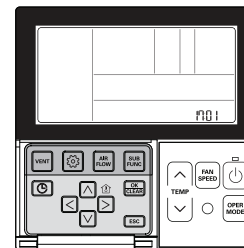
Press  button to save the setting.

Press  button to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

Installer Setting – Celsius Control Setting

This function is to set the unit for temperature control by 1°C or 0.5°C.

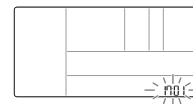


Press and hold  button for more than 3 seconds to enter the installer settings mode.

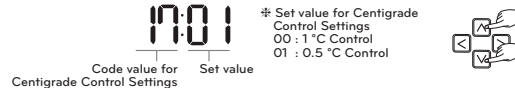
- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Move to the Centigrade Control Settings in the menu using  button and then it displays as below.



Select the Centigrade Control Settings using  button.



Press  button to save the setting.

Press  button to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If the  button is not selected before you exit, the changes will not apply.

Installer Setting – Emergency Heater Setting

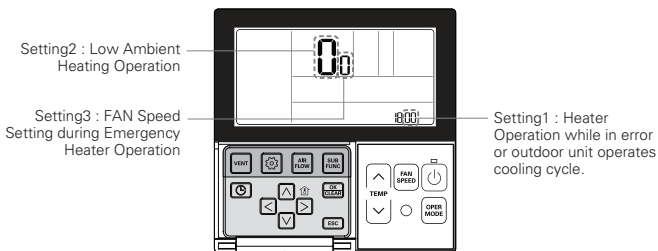
This function is only available on some products

This function will set the Emergency Heater Setting.

Emergency Heater is used to heat the space in emergency case such as heat pump error. Emergency heat is in place of and does not supplement heat pump.

* Emergency Heater setting Function sets following conditions:

- 1) Emergency Heater operation while in error or outdoor unit operates cooling cycle.
- 2) Emergency Heater operation in Low Ambient temperature
- 3) Fan speed setting during Emergency Heater operation



CAUTION

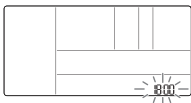
This function setting must be carried out by a certified-technician. Incorrect function setting can cause fire.

Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Move to the Emergency Heater Setting in the menu using button and then it displays as below.



Select the Emergency Heater Setting using button.

* If 00 is set at this stage, setting 2 & setting 3 will not be available.



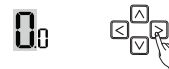
Function Code

* Set value for Function Setting
00 : not use
01 : use

Setting1: Heater Operation while in error or outdoor unit operates cooling cycle.



Move to Low Ambient Heating Operation setting by pressing button.



Press button to setup Low Ambient Heating Operation.



00: Not use

01~03: compressor on/off Setting step



01~15: compressor on/off Setting step(step expand indoor unit)



* Emergency heater operation in Low Ambient temperature

- compressor off : Emergency heater enabled
- compressor on : Emergency heater disabled

Move FAN Speed Setting during Emergency Heater Operation by pressing button.



Press button to setup FAN Speed during Emergency Heater Operation.

0 : fan off

1 : fan on

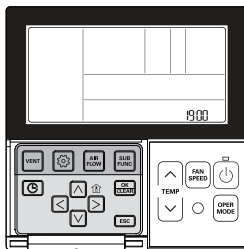


Press button to save.

Press button to exit or system will automatically exit after 25 seconds without any input.

Installer Setting – Function Control Setting for Group Control

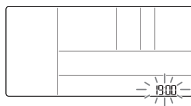
This function is to control the common functions or some functions based on the master indoor unit criteria for group control.



Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.
- Make sure to press and hold for more than 3 seconds.

Move to the Function Settings for Group Control in the menu using button and then it displays as below.



Select the Function Settings for Group Control using button.



Press button to save the setting.

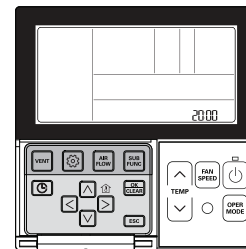
Press button to exit.

- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
- * If button is not selected before you exit, the changes will not apply.

- Common function, some indoor unit master criteria must be set for a group of the same indoor unit series.
- In case of group control for the products which have different indoor models, use the existing group control mode by setting 00(common function use only).

Installer Setting – Option Function Setting

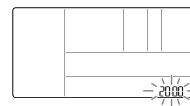
This function is used when air Cleaner, heater, humidifier, elevation grill, ventilation KIT are installed additionally or the installed KIT is removed.



Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.
- Make sure to press and hold for more than 3 seconds.

Press button repeatedly to move to the applicable Function in the menu as below.



Function	Code
Plasma purification	20
Electric heater	21
Humidifier	22
Elevation grill	23
Ventilation kit	24
Auxiliary heater	25

Select the code value and set value for each function using button.



* Set value for each function
00 : Not installed
01 : Installed



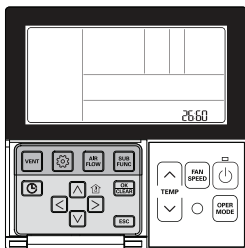
- * In case of indoor unit that has one more additional stage in the Aux heater setting.
- 00: not installed
- 01: installed - general
- 02: installed - duct type

Press button to save the setting.

Press button to exit.

- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
- * If button is not selected before you exit, the changes will not apply.

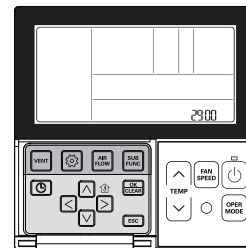
This function is to identify the indoor unit address assigned by the outdoor unit.



- If pressing only once briefly, it will enter the user settings mode.
Make sure to press and hold for more than 3 seconds.

- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
- * If  button is not selected before you exit, the changes will not apply.

This function is used when a refrigerant leak detector is additionally installed in the indoor unit or the installed detector is removed.



- If pressing only once briefly, it will enter the user settings mode. Make sure to press and hold for more than 3 seconds.

— 2900 —

29:00

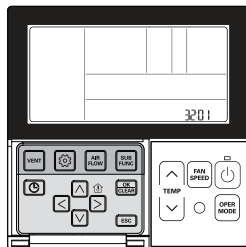
Code value	Set value
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
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163	163
164	164
165	165
166	166
167	167
168	168
169	169
170	170

* Set value for Refrigerant Leak Detector Installation
00 : Not installed
01 : Installed



- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
- * If  button is not selected before you exit, the changes will not apply.

This is the function that static pressure of the product is divided in 11 steps for setting.



Make sure to press and hold for more than 3 seconds.

— 3201 —

32:01

Code value Set value

* Set value for static pressure step
00 : use static pressure(code 06) set value
01~ 11 : static pressure step (code 32) set value



* If button is not selected before you exit, the changes will not apply.

- Static Pressure (Code 06) setting will not be used if Static Pressure Step (Code 32) setting is being used.
- For the static pressure value for each step, refer to the indoor unit in the product manual.

The diagram shows the control panel and display of the oven. The display shows '35.00'. The control panel includes buttons for VERIFY, SET, AIR FLOW, FLOW FLOW, FAN SPEED, TEMPERATURE, OPEN MODE, and ESC.

Make sure to press and hold for more than 3 seconds.

- 3500 -

35:00

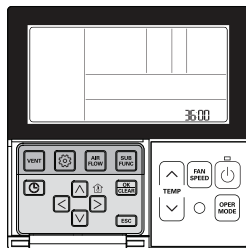
Code value Set value

value	Fan operation
00	Fan speed Low
01	Fan off
02	Fan speed Setting value



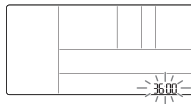
* If button is not selected before you exit, the changes will not apply.

It is a function that sets the outdoor unit to operate with auxiliary heat source and the heater to run with main heat source in heating mode.

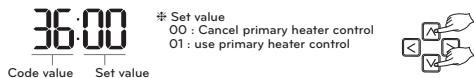


Make sure to press and hold for more than 3 seconds.

Press  button repeatedly to move to the Settings for Using Primary Heater control in the menu as below.



Select the code value and set value for each function using button.

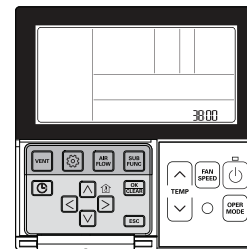


Press  button to save the setting.

Press **ESC** button to exit.

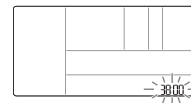
- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
- * If  button is not selected before you exit, the changes will not apply.

It is a function that sets the availability of air conditioner FAN movement when only the ventilation is running while air conditioner is off, in case of interlock of the air conditioner operation with the ventilation operation.

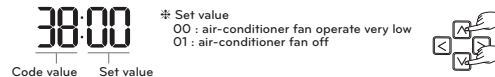


Make sure to press and hold for more than 3 seconds.

Press  button repeatedly to move to the Settings for air conditioner fan operation interlocked with ventilation in the menu as below.



Select the code value and set value for each function using button.



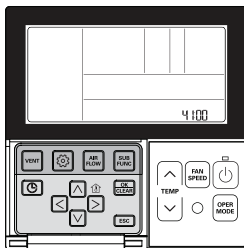
Press button to save the setting.

Press **ESC** button to exit.

- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
- * If  button is not selected before you exit, the changes will not apply.

Installer Setting – Setting for Simple Dry contact unit

This function is used when simple dry contact unit is additionally installed in the indoor unit or the installed simple dry contact unit is removed.

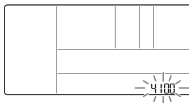


Press and hold button for more than 3 seconds to enter the installer settings mode.

- If pressing only once briefly, it will enter the user settings mode.

Make sure to press and hold for more than 3 seconds.

Press button repeatedly to move to the Settings for Simple Dry contact unit setting value in the menu as below.



Select the code value and set value for each function using button.

4100
Code value Set value

* Set value

value	setting
00	Default – Simple Dry contact Auto identification
01	Simple Dry contact : Not installed
02	Simple Dry contact : Installed
03	Use for digital input



Press button to save the setting.

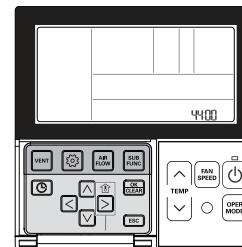
Press button to exit.

* If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.

* If button is not selected before you exit, the changes will not apply.

Installer Setting – Setting the stage value of Comfort cooling

Set the stage of the power-saving effect of Comfort cooling.

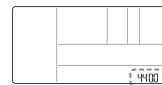


If button is pressed so long for over 3 seconds, it enters to the installer setting mode.

- If it is pressed shortly for one time, it enters to the user setting mode.

Be sure to press it for so long over 3 seconds.

If button is pressed repeatedly, it is moved to Comfort cooling stage value setting menu as the picture below.



Press button and select the code value and setting value per each function.

4400
Code value Setting value

Setting the stage value of Comfort cooling

00 : Power-saving effect low (outdoor unit step 1)

01 : Power-saving effect medium (outdoor unit step 2)

02 : Power-saving effect high (outdoor unit step 3)



After selecting the corresponding function, press button to complete the setting.

Press the button to exit the setting mode.

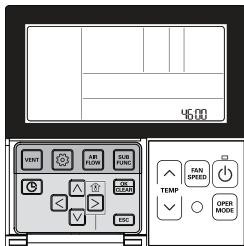
* If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.

* If it is exited without pressing button, the handled value is not reflected.

If power-saving effect is increased, the cooling function is decreased little by little, so adjust it according to the indoor condition.

Installer Setting – Setting Fan continuous

It is the function to set the continuous operation of the indoor fan.
Even if the room air temperature reaches the desired temperature through the air conditioning operation it is the ability to run a set flow rate without reducing the air flow.

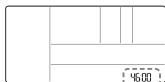


If button is pressed so long for over 3 seconds, it enters to the installer setting mode.

- If it is pressed shortly for one time, it enters to the user setting mode.

Be sure to press it for so long over 3 seconds.

If button is pressed repeatedly, it is moved to Fan continuous setting menu as the picture below.



Press button and select the code value and setting value per each function.

46.00

Code value Setting value

Setting Fan continuous

00 : not used

01 : Fan continuous used



After selecting the corresponding function, press button to complete the setting.

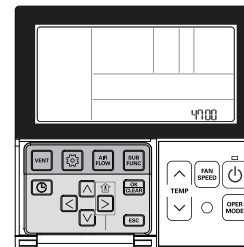
Press the button to exit the setting mode.

* If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.

* If it is exited without pressing button, the handled value is not reflected.

Installer Setting – Outdoor unit Function master/slave

Outdoor Function master/slave selection is the function to prevent confusion of the operation of the outdoor unit by making to select only indoor unit set as master, among some part of the function.

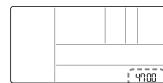


If button is pressed so long for over 3 seconds, it enters to the installer setting mode.

- If it is pressed shortly for one time, it enters to the user setting mode.

Be sure to press it for so long over 3 seconds.

If button is pressed repeatedly, it is moved to Outdoor unit Function setting master/slave menu as the picture below.



Press button and select the code value and setting value per each function.

47.00

Code value Setting value

Outdoor unit Function master/slave setting

00 : Outdoor unit function slave

01 : Outdoor unit function master



After selecting the corresponding function, press button to complete the setting.

Press the button to exit the setting mode.

* If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.

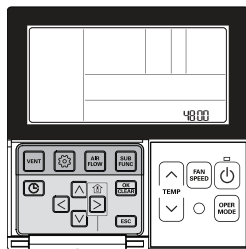
* If it is exited without pressing button, the handled value is not reflected.

CAUTION

When you change the outdoor-unit function master/slave from master to slave, please check the operating status outdoor-unit function (Smart Load Control). You must change after stopping outdoor-unit function.

Installer Setting – Function of indoor unit silent mode

It is the function to reduce the refrigerant noise occurred at the initial stage of the operation of the indoor unit at the heating mode.

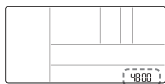


If **[SILENT MODE]** button is pressed so long for over 3 seconds, it enters to the installer setting mode.

- If it is pressed shortly for one time, it enters to the user setting mode.

Be sure to press it for so long over 3 seconds.

If **[SILENT MODE]** button is pressed so long for over 3 seconds, it enters to the installer setting mode.



Press **[▲]** **[▼]** button and select the code value and setting value per each function.

48:00

Code value Setting value

Setting the indoor unit silent mode

00 : Not used

01 : Noise reduction low

02 : Noise reduction high



After selecting the corresponding function, press **[ENTER]** button to complete the setting.

Press the **[ESC]** button to exit the setting mode.

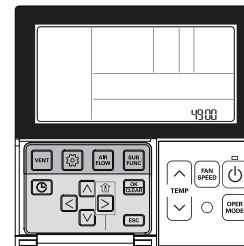
✱ If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.

✱ If it is exited without pressing **[ENTER]** button, the handled value is not reflected.

The corresponding Function setting is available when connecting the products designated as outdoor unit Function setting master.

Installer Setting – Setting the outdoor unit defrost mode

It is the function to select the defrost mode of the outdoor unit.

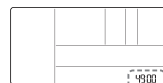


If **[DEFROST MODE]** button is pressed so long for over 3 seconds, it enters to the installer setting mode.

- If it is pressed shortly for one time, it enters to the user setting mode.

Be sure to press it for so long over 3 seconds.

If **[DEFROST MODE]** button is pressed repeatedly, it is moved to Outdoor unit defrost mode setting menu as the picture below.



Press **[▲]** **[▼]** button and select the code value and setting value per each function.

49:00

Code value Setting value

Setting the outdoor unit defrost mode

00 : Not used

01 : Forced remove piled snow mode

02 : Fast defrost mode

03 : Forced remove piled snow and Fast defrost mode



* Forced remove piled snow : Remove the snow on the upper side of the outdoor unit by operating outdoor fan.

* Fast defrost: Unfreeze the frost of the outdoor heat exchanger often.

After selecting the corresponding function, press **[ENTER]** button to complete the setting.

Press the **[ESC]** button to exit the setting mode.

✱ If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.

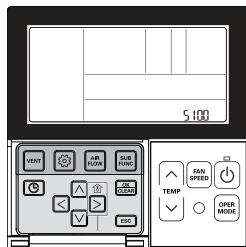
✱ If it is exited without pressing **[ENTER]** button, the handled value is not reflected.

The corresponding Function setting is available when connecting the products designated as outdoor unit Function setting master.

Installer Setting – Setting temperature - based fan speed 'auto'

It is the function to set use of the temperature-based fan speed 'auto' of the connected indoor unit.

Temperature-based fan speed 'auto' function is the function to change the strength of the wind according to the difference between the room temperature and the desired temperature.



If button is pressed so long for over 3 seconds, it enters to the installer setting mode.

- If it is pressed shortly for one time, it enters to the user setting mode.

Be sure to press it for so long over 3 seconds.

If button is pressed repeatedly, it is moved to temperature-based fan speed 'auto' function setting menu as the picture below.



Press button and select the code value and setting value per each function.

51.00

Code value Setting value

temperature-based fan speed 'auto'

00 : not used

01 : Use temperature-based fan speed 'auto'



After selecting the corresponding function, press button to complete the setting.

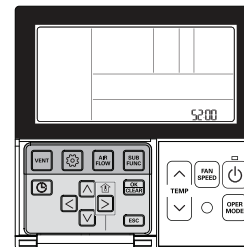
Press the button to exit the setting mode.

* If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.

* If it is exited without pressing button, the handled value is not reflected.

Installer Setting – CN_EXT setting

It is the function to set to control the external input and output according to DI/DO set by the customer using the indoor unit's Dry Contact Port. (It is the function to decide the usage of the contact point port (CN_EXT) mounted in the indoor unit PCB.)

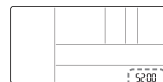


If button is pressed so long for over 3 seconds, it enters to the installer setting mode.

- If it is pressed shortly for one time, it enters to the user setting mode.

Be sure to press it for so long over 3 seconds.

If button is pressed repeatedly, it is moved to CN_EXT setting menu as the picture below.



Press button and select the code value and setting value per each function.

52.00

Code value Setting value

CN_EXT setting

00 : Not use

01 : Simple Operation

02 : Simple Dry Contact

03 : Single emergency stop

04 : Occupied/Unoccupied

05 : All emergency stop



After selecting the corresponding function, press button to complete the setting.

Press the button to exit the setting mode.

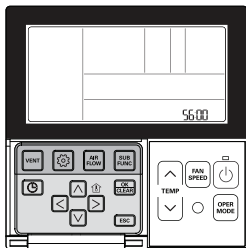
* If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.

* If it is exited without pressing button, the handled value is not reflected.

Installer Setting – Outdoor unit cycle priority

It is the function to clear the limit and set the operation mode when it is cleared, to be able to select the operation mode opposite to the operation mode of the outdoor unit currently in operation while the connected product is in Slave mode.

※ When you set installer code 08:00 (operation slave), according to the operation status of the outdoor unit, cooling/heating mode selection is restricted.

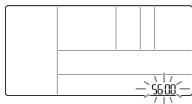


If button is pressed so long for over 3 seconds, it enters to the installer setting mode.

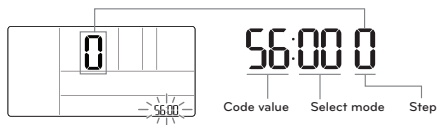
- If it is pressed shortly for one time, it enters to the user setting mode.

Be sure to press it for so long over 3 seconds.

If button is pressed repeatedly, it is moved to outdoor unit cycle priority function setting menu as the picture below.



Select the 'select mode' using button.



Select mode	Description
00 (Not use)	According to the outdoor unit operation mode, operation mode selection is limited. ※ The following operation modes can be selected according to the outdoor unit cycle. - cooling cycle: auto, fan, cool, dehumidification - heating cycle: auto, fan, heat
01 (Standby)	In case of the operation mode opposite to the outdoor unit operation mode, it maintains the current operation mode. At this time, it maintains thermal off + fan off state.
02 (Cool)	Outdoor unit operation has priority in cooling operation. It is the function to enable the heating operation by heater in the product in heating operation. ※ For heater interface operation, set 'emergency heater setting' and 'auxiliary heater'. - emergency heater setting – installer code 18 (18:01) - auxiliary heater – installer code 25 (25:01, 25:02)

Press button to move to the 'step' setting. The 'step value' is blinking.

※ It can be selected when 'cool (56:02)' is set

- It is the standby time set value to switch the outdoor unit mode to heating mode when cooling thermal off time is maintained above the set value.

Press button to set 'step'.

Step	Waiting time for cooling thermal off
0	45 minute (default)
1	30 minute
2	60 minute
3	90 minute
4	120 minute
5	Not use

After selecting the corresponding function, press button to complete the setting.

Press the button to exit the setting mode.

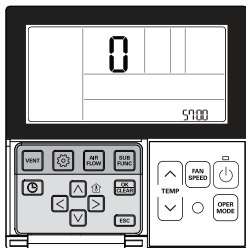
※ If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.

※ If it is exited without pressing button, the handled value is not reflected.

Installer Setting – Outdoor temperature for heating stages

It is a function that sets outdoor temperature values for two stages heating. If user sets outdoor temperature T1 and ΔT , indoor unit will select heating stage between indoor unit operation and heater operation.

※ When the emergency heater setting is set (installer code 18), emergency heater control operation is performed with priority.

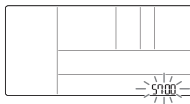


If  button is pressed so long for over 3 seconds, it enters to the installer setting mode.

- If it is pressed shortly for one time, it enters to the user setting mode.

Be sure to press it for so long over 3 seconds.

If  button is pressed repeatedly, it is moved to outdoor temperature for heating stages function setting menu as the picture below.



Select the 'select mode' using  button.



Press  button to choice 'select use/not use' menu.

57.01

Press  button to move to the 'set use/not use value'. The 'setting value' is blinking.

Press  button to set 'setting value'.

Setting value	Description
0	Not use
1	Use

After set 'use/not use', press  button to move to the previous step.

Press  button to choice 'T1 value setting' menu.

57.02

Press  button to move to the 'set T1 value'. The 'T1 value' is blinking.

Press  button to set 'setting value'.

Temperature Unit	T1 setting range
Centigrade	-23~16°C
Fahrenheit	-10~60°F

※ If 'T1 value' is negative number (-), it displays the symbol.

-9.0^{°C} 23.0^{°C} ↔ - .0^{°C}
 [-9°C or higher] [-10°C or lower]

After set 'T1 value', press  button to move to the previous step.

Press button to choice `Δ T value setting` menu.

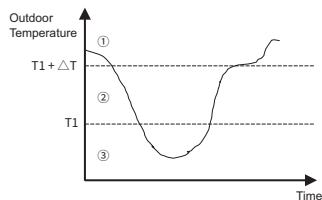
57.03

Press button to move to the `set Δ T value`. The `Δ T value` is blinking.

Press button to set `setting value`.

Temperature Unit	ΔT setting range
Centigrade	0~35°C
Fahrenheit	0~70°F

Operation according to T1, ΔT setting and outdoor temperature.



- ① ($T1 + \Delta T < \text{Outdoor temperature}$) : only heat pump used
- ② ($T1 < \text{Outdoor temperature} < T1 + \Delta T$) : both heater and heat pump used
- ③ ($\text{Outdoor temperature} < T1$) : only heater used

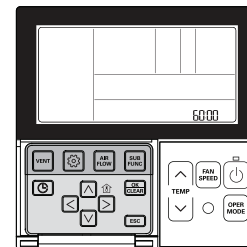
After selecting the corresponding function, press button to complete the setting.

Press the button to exit the setting mode.

- * If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.
- * If it is exited without pressing button, the handled value is not reflected.

Installer Setting – CN_PTC setting

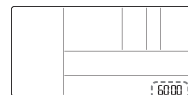
This is a function to set PTC Port of indoor unit.



If button is pressed so long for over 3 seconds, it enters to the installer setting mode.

- If it is pressed shortly for one time, it enters to the user setting mode.
- Be sure to press it for so long over 3 seconds.

If button is pressed repeatedly, it is moved to CN_PTC setting menu as the picture below.



Press button and select the setting value per each function.



CN_PTC setting

- 00 : Normal (Auxiliary heating interlock deactivated)
- 01 : Special (Auxiliary heating interlock activated)

After selecting the corresponding function, press button to complete the setting.

Press the button to exit the setting mode.

- * If there would be no button input for about 25 seconds after setting, it exits from the setting mode automatically.
- * If it is exited without pressing button, the handled value is not reflected.

CHECKLIST BEFORE REPORTING A BREAKDOWN

Please first check the items below for product's defects before consulting to service center.

Symptoms	Check-up	Management
It has no power on.	• Is air-conditioner's power on?	• Please check up circuit breaker. • Please check up wire remote controller's setup condition.
	• Are air-conditioner and remote controller properly connected with cable?	• Please connect air-conditioner and remote controller cable.
	• Is cable connection correct?	• Please connect air-conditioner and remote controller cable.
It doesn't operate reservation drive.	• Did you correctly setup time?	• Please set up current time correctly.
	• Did you correctly make a reservation?	• Please set up again referring to the manual.
It doesn't release cool wind.	• Is desired temperature setup lower than current temperature?	• Please set up desired temperature lower than current temperature.
Air-conditioner automatically runs or stops.	• Isn't reservation drive setup?	• When reservation setting button and set/cancel button are pressed simultaneously for 3 seconds or longer, all set reservations will be cancelled.
Error is indicated on remote controller indication window.	• Does remote controller indication window indicate 'CH03'?	• Please check again wire remote controller's setup condition. • Please check again connection condition of air-conditioner and remote controller cable.