

OWNER'S &  
INSTALLATION MANUAL

# AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference.

SIMPLE WIRED REMOTE CONTROLLER

PQRCHCA0Q  
PQRCHCA0QW



P/NO : MFL62862003

[www.lg.com](http://www.lg.com)

ENGLISH

ITALIANO

ESPAÑOL

FRANÇAIS

DEUTSCH

PORTUGUESE

РУССКИЙ ЯЗЫК

## 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

### **WARNING**

It can result in serious injury or death when the directions are ignored

### **CAUTION**

It can result in minor injury or product damage when the directions are ignored

### **WARNING**

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- Installation **MUST** conform with local building codes or, in the absence of local codes, with the Nation Electrical Code NFPA 70/ANSI C1-1003 or current edition and Canadian Electrical Code Part1 CSA C.22.1.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

## Installation

- Be sure to request to the service center or installation specialty store when installing products.
  - It will cause fire or electric shock or explosion or injury.
- Request to the service center or installation specialty store when reinstalling the installed product.
  - It will cause fire or electric shock or explosion or injury.
- Do not disassemble, fix, and modify products randomly.
  - It will cause fire or electric shock.

## Operation

- Do not place flammable stuffs close to the product.
  - 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 give the shock using sharp and pointed objects.
  - It will cause breakdown by damaging part.

**CAUTION**

- 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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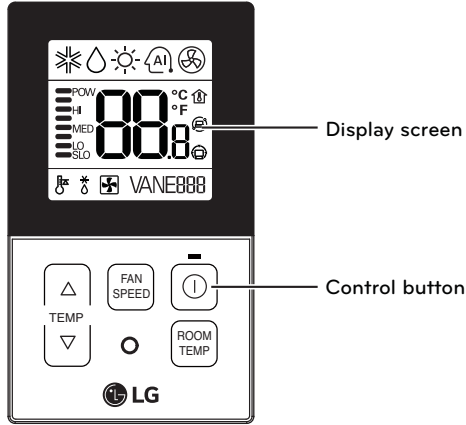
18 - Fan Speed Selection







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18 - Child Lock

# PART DESCRIPTION

## Using the remote control



Control panel	Display screen	Description
	18~30°C	<b>Temperature adjustment button:</b> Adjusts the room temperature when cooling and heating.
		<b>Indoor fan speed button:</b> Adjusts the fan speed.
		<b>On/Off button:</b> Turns the power on/off.
		Displays the room temperature. Ex) 23.0°

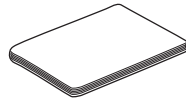
## Accessory



Connection Cable  
(1EA, 10m)



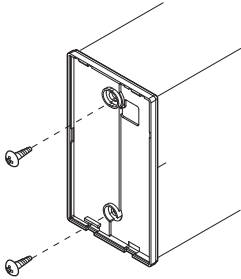
Screw  
(2 EA)



Owner's / Installation  
manual

# INSTALLATION INSTRUCTION

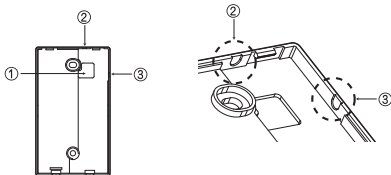
- 1 Please fix tightly using provided screw after placing remote controller setup board on the place where you like to setup.
  - Please set it up not to bend because poor setup could take place if setup board bends.
  - Please set up remote controller board fit to the reclamation box if there is a reclamation box.



- 2 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.

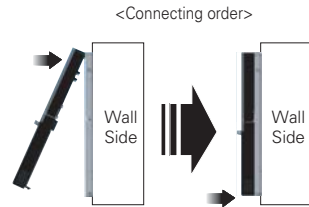
\* Remove guide groove with long nose.

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



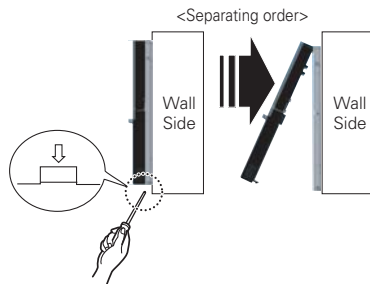
<Wire guide grooves>

- 3 Please fix remote controller upper part into the backplate attached to the surface of the wall, as the picture below, and then, connect with backplate by pressing lower part.
  - Please make sure to leave no gaps on the top, bottom, left or right sides between the remote controller and backplate.
  - Before assembly with the backplate, arrange the Cable not to interfere with circuit parts.



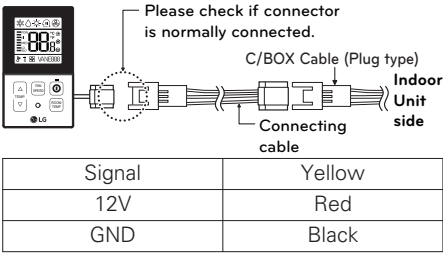
Remove remote controller by inserting a screwdriver into the lower separating holes and twisting to release the controller from backplate.

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



4 Please refer to the following directions when connecting the indoor unit and the wired remote controller together.

1) Please connect the cables as shown in the figure below when connecting the plug type cable from the indoor unit's C/BOX and the housing type of the extension cable.



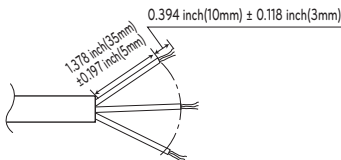
**CAUTION**

Specification of LG supplied extension cable: AWG#22, 3 core shielded. (Model : PZCWRC1)

\* Apply enclosed noncombustible conduit(metal raceway) totally or use FT-6 rated cable or above level in case of local electric & building code that requires plenum (CMP) cable usage.

2) When connecting Terminal Blocks of the indoor C/BOX and the wired remote controller with the extension cable, refer to the steps below.

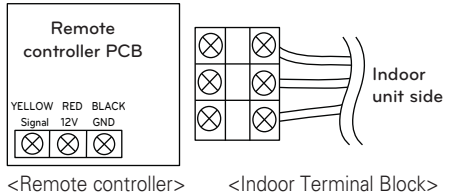
- ① Remove the screw on the cable which is fastened to the wired remote controller's Terminal Block by loosening with a screw driver.
- ② Remove the housing of the provided 32ft extension cable with a cutting nipper and peel it as shown in the figure below. (when purchasing the extension cable at the site directly, please peel it as shown in the figure below.)



③ Make sure each wire is securely fastened under each screw terminal and the wires are not in contact with each other.

④ Please connect the Terminal blocks of indoor unit's C/BOX and wired remote controller by referring to the images and contents shown below.

Connect the yellow(signal) part of the wired remote controller's terminal block and the 'YL' part of the indoor unit's terminal block. Connect the red(12V) part of the wired remote controller's terminal block and the 'RD' part of the indoor unit's terminal block. Connect the black(GND) part of the wired remote controller's terminal block and the 'BK' part of the indoor unit's terminal block.



Remote controller PCB Terminal block Remark	Indoor Terminal block	Function
YELLOW	YL	Signal
RED	RD	12V
BLACK	BK	GND

- \* In case of loosened screws or insufficient contact between the terminal and the wire, remote controller may not function properly.
- \* When the power is off on the remote controller, check the connection between the remote controller and Terminal Block.
- \* Use an appropriate screwdriver for tightening the terminal screws. A screwdriver with a small head will strip the head and make proper tightening impossible.
- \* Over-tightening the terminal screws may break wires and terminal block structure.

**CAUTION**

- Installation work must be performed in accordance with the national wiring standards and local by authorized personnel only.
- Installations must comply with the applicable local/national or international standards.
- AWG#22, 3 core shielded is recommended when using the large hole in the center of the back plate.
- AWG#24, 3 core shielded is recommended when using the side or top knock-out of the back plate.

5 Please use an extension cable if the distance between the wired remote controller and the indoor unit is longer than 32ft(10m).

**CAUTION**

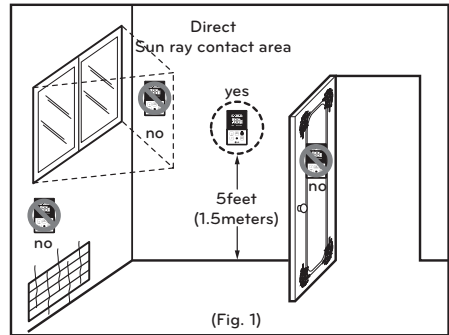
When installing the wired remote controller, do not bury it in the wall. (It can cause damage in the temperature sensor.)  
Do not install the cable to be 164ft(50m) or longer. (It can cause communication error.)

**Remote controller installation**

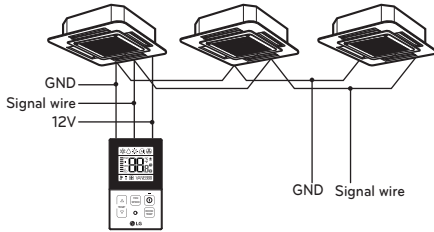
Since the room temperature sensor is in the remote controller, the remote controller box should be installed in a place away from direct sunlight, high humidity and direct supply of cold air to maintain proper space temperature. Install the remote controller about 5ft(1.5m) above the floor in an area with good air circulation at an average temperature.

**Do not install the remote controller where it can be affected by:**

- Drafts, or dead spots behind doors and in corners.
- Hot or cold air from ducts.
- Radiant heat from sun or appliances.
- Concealed pipes and chimneys.
- Uncontrolled areas such as an outside wall behind the remote controller.
- This remote controller is equipped with LCD display. For proper display of the remote controller LCD's, the remote controller should be installed properly as shown in Fig.1. (The standard height is 4~5 ft (1.2~1.5 m) from floor level.)



## Group Control

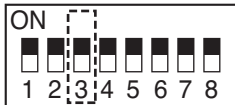


- When installing more than 2 units of air conditioner to one wired remote controller, please connect as the right figure.

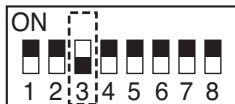
- If it is not event communication indoor unit, set the unit as slave.
- Check for event communication through the product manual.

- When 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 controlling multiple indoor units with one remote controller, you must change the master/slave setting from the indoor unit.
- For ceiling type cassette and duct product group, change the switch setting of the indoor PCB.



#3 switch OFF: Master  
(Factory default setting)

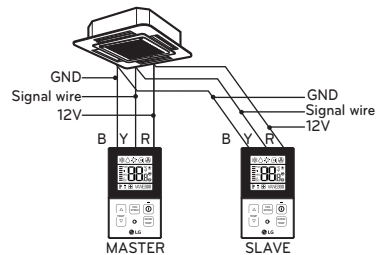


#3 switch ON: Slave

- 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 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.

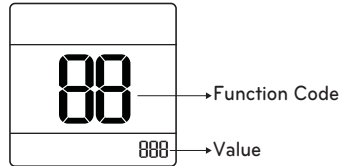
## Install Setting

### How to enter installer setting mode

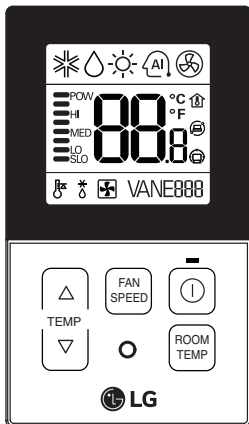
#### CAUTION

- Installer setting mode is to set the detail function of the remote controller. If the installer setting mode is not set correctly, it can cause problems to the product, user injury or property damage. This must be set by an certificated installer, and any installation or change that is carried out by a non-certificated person should be responsible for the results. In this case, free service cannot be provided.

- 1 If you want to set installer setting mode, Press the Temperature up button and the Room Temp button same time for five seconds.
- 2 When you enter the setting mode Initially. Function code is displayed on the LCD screen.



- Some categories of the menu may not be displayed according to the function of the product, or the menu name may be different.



**<Installer Setting Code Table>**



## 1 General air-conditioner product

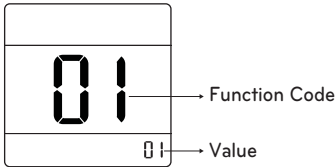
No.	Function	Code	Value
1	Test Run	01	01:Set
2	Address Setting	02	00~FF : Address
3	E.S.P. Value	03	<ESP Step>      <ESP Value>      <Example> 01:VeryLow      0 ~ 255 02:Low 03:Med 04:High 05:Very High  <div style="text-align: right; margin-right: 50px;"> </div>
4	Thermistor	04	01:Remo 02:Indoor 03:2TH
5	Ceiling Height	05	01:Med 02:Low 03:High 04:Very High
6	Static Pressure	06	01:V-H 02:F-H 03:V-L 04:F-L
7	Master Setting	07	00:Slave 01:Master
8	Celsius Fahrenheit Switching	12	00:Celsius      (Optimized only for U.S.A) 01:Fahrenheit


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

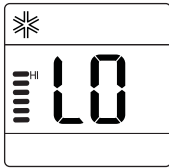
### Test Run Mode

After installing the product, you must test Run Mode. For details related to the Product manual.

- 1 Press  button and  button simultaneously for more than 3 seconds.
- 2 Setup figure '01' blinks






- 3 Press  button to start.

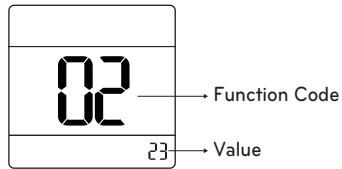


- 4 During the test run, pressing the below button will exit run.

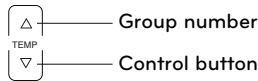
### Setting Address of Central control




It's the functional to use connecting central control.

- 1 Press  button and  button simultaneously for more than 3 seconds.
- 2 Setup function code '02' pressing by  button.



- 3 Set group number and indoor number.



- 4 Press  button to save.
- 5 Press  button and  button simultaneously for more than 3 seconds After the setting has been completed.

#### ! NOTE

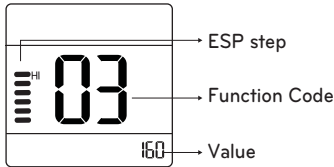
- After setup, it automatically gets out of setup mode if there is no button input for 25seconds.
- When existing without pressing set button, the manipulated isn't reflected.

**E.S.P**

This is the functional that decides the strength of the wind for each wind level and because this function is to make the installation easier.

- If you set ESP incorrectly, the air conditional may malfunction.
- This setting must be carried out by a certified technician.

- 1 Press button and button simultaneously for more than 3 seconds.
- 2 Setup function code '03' pressing by button.



- 3 Select ESP fan step and ESP value.



\* ESP value range : 0~255

- 4 Press button to save.
- 5 Press button and button simultaneously for more than 3 seconds After the setting has been completed.

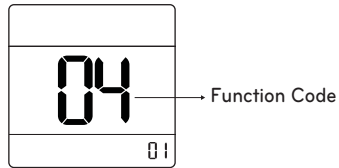
**NOTE**

- When setting ESP value on the product without very weak wind or power wind function, it may not work.
- Please be careful not to change the ESP value for each fan step.
- It does not work to setup ESP value for very low/power step for some product.
- ESP value is available for specific range belongs to the product.

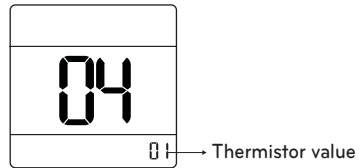
**Thermistor**

This is the function to select the temperature sensor to judge the room temperature.

- 1 Press button and button simultaneously for more than 3 seconds.
- 2 Setup function code '04' pressing by button.



- 3 Set Thermistor value by pressing button by pressing temperature button. (01: Remote Controller, 02: Indoor, 03: 2TH)



- 4 Press button to save.
- 5 Press button and button simultaneously for more than 3 seconds After the setting has been completed.

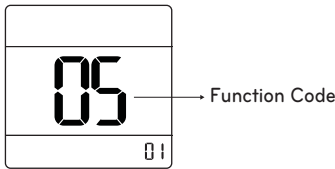
**NOTE**

- \* The function of 2TH has difference operation characteristics according to product.
- **Cooling:** Operation of higher temperature by comparing indoor unit's and wired remote controller's temperature. (there are products that operate at a lower temperature.)
- **Heating:** Operation of lower temperature by comparing indoor unit's and wired remote controller's temperature.

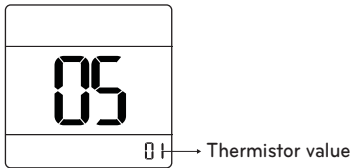
### Ceiling Height Selection

This function is to adjust FAN Airflow rate according to ceiling height (For ceiling type product)

- 1 Press button and button simultaneously for more than 3 seconds.
- 2 Setup function code '05' pressing by button.



- 3 Set Thermistor value by pressing button by pressing temperature button.  
(01: Remote Controller, 02: Indoor, 03: 2TH)



- 4 Press button to save.
- 5 Press button and button simultaneously for more than 3 seconds After the setting has been completed.

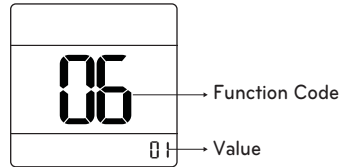
#### NOTE

- Ceiling height setting is available only for some products.
- Ceiling height of "Very high" function may not exist depending on the indoor units.
- Refer to the product manual for more details.

### Static Pressure Setting

This function is applied to only duct type. Setting this in cases will cause malfunction.

- 1 Press button and button simultaneously for more than 3 seconds.
- 2 Setup function code '06' pressing by button.



- 3 Set Thermistor value by pressing button by pressing temperature button.  
(01: V-H, 02: F-H, 03: V-L, 04:F-L)

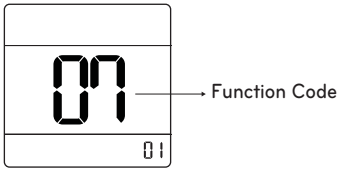
Pressure selection		Function	
		Zone state	ESP standard value
01	V-H	Variable	High
02	F-H	Fixed	High
03	V-L	Variable	Low
04	F-L	Fixed	Low

- 4 Press button to save.
- 5 Press button and button simultaneously for more than 3 seconds After the setting has been completed.

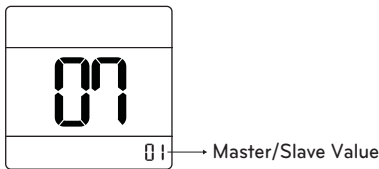
### Remote Controller Master/Slave Setting

It's a function for setting in group control, or 2-remote controller control.

- 1 Press button and button simultaneously for more than 3 seconds.
- 2 Setup function code '07' pressing by button.



- 3 Select Master/Slave by pressing temperature button. (00: Slave, 01: Master)



- 4 Press button to save.
- 5 Press button and button simultaneously for more than 3 seconds After the setting has been completed.

Remote Controller	Function
Master	Indoor unit operates based on master remote controller at group control. (master is set when delivering from the warehouse.)
Slave	Setup all remote controllers except one master remote controller to slave at group control.

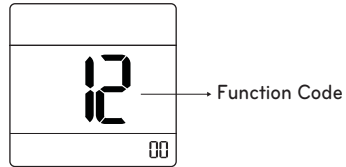
- Refer to eh 'Group control' part for details.

- When controlling in groups, basic operation settings, airflow strength weak/medium/strong, lock setting of the remote controller, time settings, and other functions may be restricted.

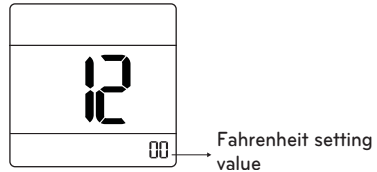
### Fahrenheit Switching

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

- 1 Press button and button simultaneously for more than 3 seconds.
- 2 Setup function code '12' pressing by button.



- 3 Select Temperature unit mode by temperature button. (00: Celsius , 02: Fahrenheit)



- 4 Press button to save.
- 5 Press button and button simultaneously for more than 3 seconds After the setting has been completed.

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

# OWNER'S INSTRUCTION

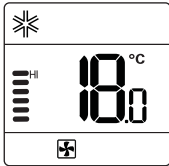
## Standard Operation

\* The operation mode can be set from Central Controller only.

### Cooling Mode

It cools the room by comfortable and Clean wind.

- 1 Press the  button.

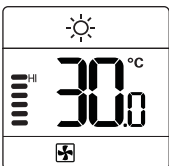


- 2 Adjust the desired temperature by press the temperature button.  
(Temp range : 18°C~30°C (64°F~86°F))

### Heating Mode

It supplies warm wind to the indoor.

- 1 Press the  button.

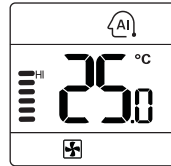


- 2 Adjust the desired temperature by press the temperature button.  
(Temp range : 16°C~30°C (60°F~86°F))

### Auto Operation Mode

It makes the room cool using pleasant and fresh air quickly

- 1 Press the  button.



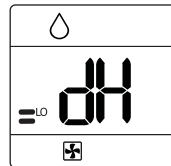
- 2 When the room temperature is lower than the desired temperature  
: Heating Operation starts (For Heat Pump models only)

When the room temperature is higher than the desired temperature  
: Cooling Operation starts

### Dehumidification Mode

It removes humidity while air-cooling Weakly.

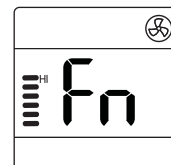
- 1 Press the  button.



### Fan Mode

It blows the air as it is in the indoor, not the cold wind.

- 1 Press the  button.





\* Temperature control is not available during the Dehumidification & Fan operation.

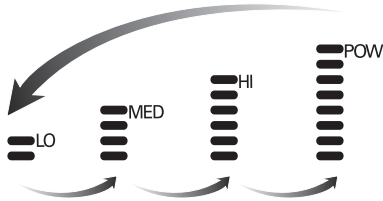
## Function setting

### Fan Speed Selection

You can easily control the fan speed.

- 1 Press the  button.
- 2 Press the  button.

#### Fan Speed Selection in Cooling Operation



#### Fan Speed Selection in Heating, Dry, Fan, Auto-Operation

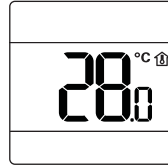


#### ! NOTE

- If the product is not compatible with The fan speed control, it will not function as per your selection.

### Room Temperature Check

- 1 Press the  button.





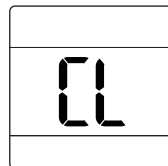
#### ! NOTE

- "To change the temperature display to Celsius or Fahrenheit, change LCD display by referring to page 14."
- As the temperature distribution of the remote controller installation space is not Uniform, slight difference can be generated between the actually felt temperature and the room temperature indication of the remote controller.

### Child Lock

It is the function to use preventing children or others from careless using.

- 1 Press  button and  button Simultaneously for more than 3 seconds.



#### ! NOTE

- After the setting of the 'CL', if another button is setup, the button can not be recognized as the 'CL' is indicated at the temperature display section.