website http://www.lgservice.com

LG

LG
Weekly Wired Remote Controller

Owner's & Installation Manual

Models: PVRCUSZ0

IMPORTANT

- **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.**

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Safety Precaution

- 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 and follow them carefully in order to prevent a safety accident.

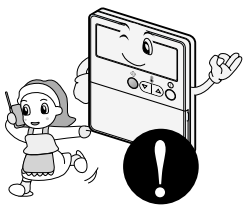
: Warning and Caution are indicated in this guide and the product itself to help protect the users from danger.

⚠WARNING

■ Installation

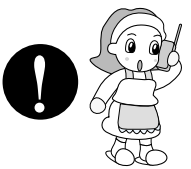
Be sure to request to the service center or installation specialty store when installing products.

- It will cause fire or electric shock or explosion or injury.



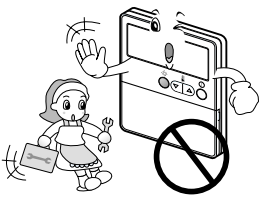
Request to the service center or installation specialty store when reinstalling the installed product.

- 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.



■ In-use

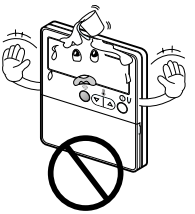
Do not place flammable stuffs close to the product.

- It will cause fire.



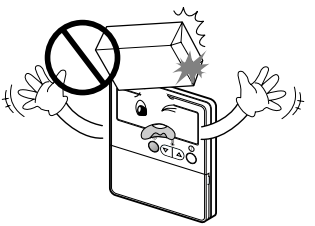
Do not allow water to run into the product.

- It will cause electric shock or breakdown.



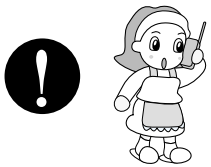
Do not give the shock to the product.

- It will cause breakdown when giving the shock to the product.



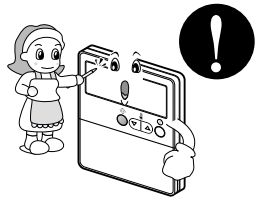
Request to the service center or installation specialty store when the product becomes wet.

• It will cause fire or electric shock.



Do not give the shock using sharp and pointed objects.

• It will cause breakdown by damaging parts.

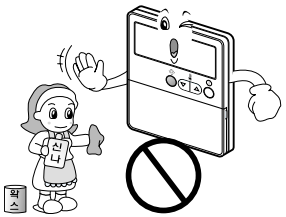


⚠CAUTION

■ In-use

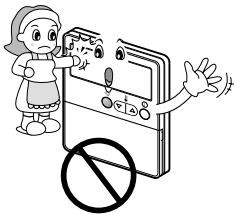
Do not clean using the powerful detergent like solvent but use soft cloths.

• It will cause fire or product deformation.



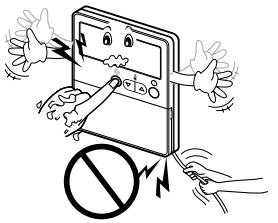
Do not press the screen using powerful pressure or select two buttons.

• It will cause product breakdown or malfunction.



Do not touch or pull the lead wire with wet hands.

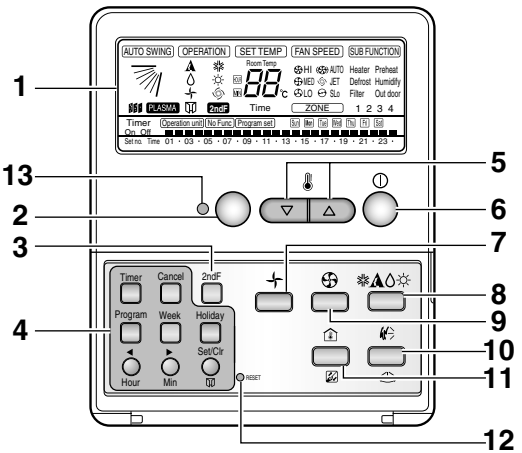
• It will cause product breakdown or electric shock.



Part Description

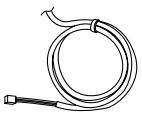
Name and Function of Remote Controller

CVT TYPE

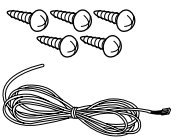


1. Operation indication screen
2. Power button
3. 2ndF button
4. Timer set/cancel
   Program/Week/Holiday
   Hour/Min/SET/Clr/Ventilator
5. Set temperature button
6. ON/OFF button
7. Fan operation
8. Operation mode selection button
9. Fan speed button
10. Horizontal/Vertical air flow direction button
11. Room temperatur/filtersign release button
12. Time reset button
13. Operation lamp

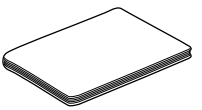
Accessory



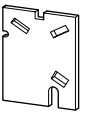
Connection wire(1)



Remote control lock screw(5)



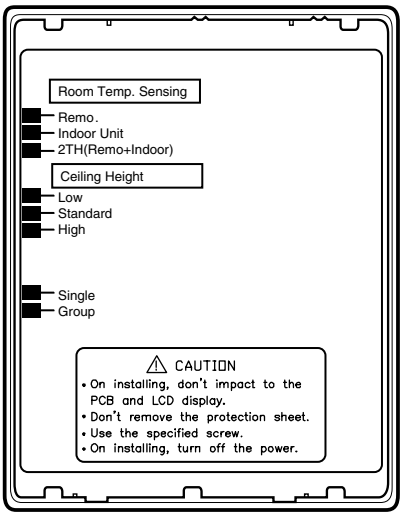
Owner's/installation Manual



Insulation

Information of slide switch

CVT TYPE



Room Temperature Sensing select Switch

1. Use Remocon's sensor
2. Use Indoor's sensor
3. Use senor which has lower temrerature between Remocon's and indoor's

Ceiling Height select switch

1. Low
2. Standard
3. High

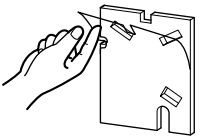
Group control select switch

1. Case of Single control
2. Case of Group control

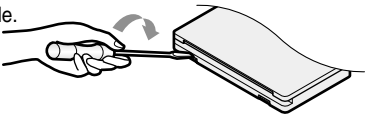
When using Synchro operation, you must select "single" of group control switch.

Installation instruction

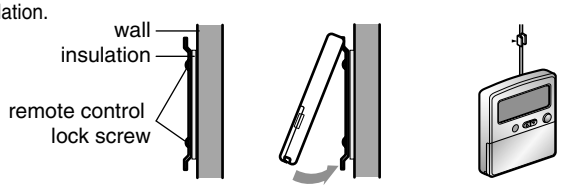
1 Remove the sticker that is attached on back of insulation and attach the remote control on the wall you want to install.



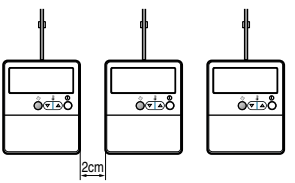
2 Separate the cover of remote control like the right hand side.



3 Fix the setup board on top of the insulation.



4 Install each remote control with the distance of at least 2cm between them when installing several wired remote controls horizontally.



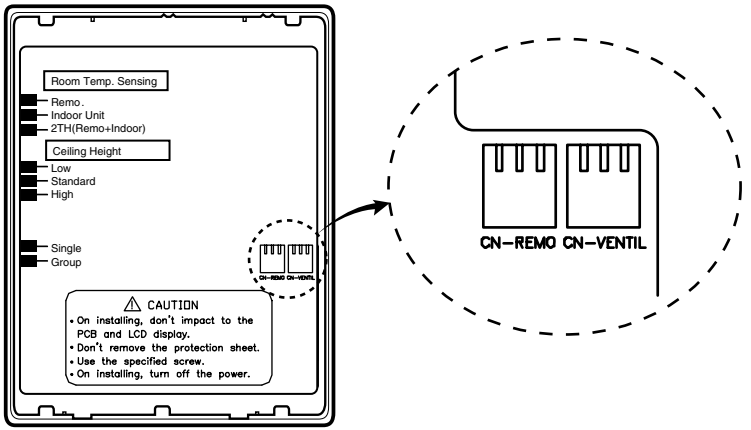
⚠CAUTION

Before installing the wired remote controller, set the switch on the back of the wired remote controller to the required condition of the product.

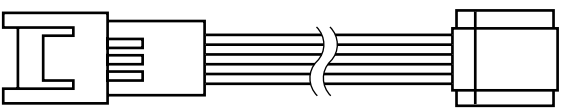
Especially, if the switch exclusively for air conditioning and air conditioning/heating selection switch is incorrectly set, it can cause a problem to the product operation.

Remote controller connection method

1. Check the cable is conneced with CN-REMO
(CN-VENTIL is used if remocon is connected with ventilator)



2. Connect the cables between the indoor unit and the remote controller.



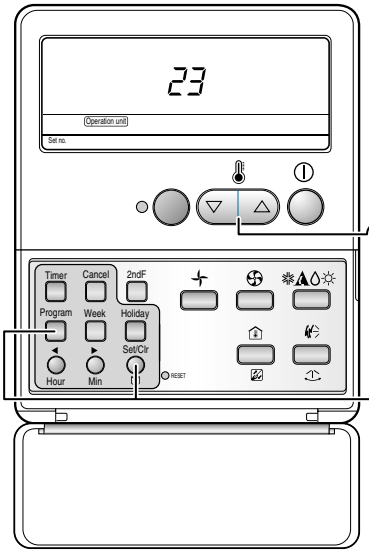
Connector for the remote controller side

Connector for the indoor unit side

⚠CAUTION

*** When installing the wired remote controller, do not install it buried within the wall.**
(It can cause problems to the temperature sensor.)
Do not install the cable for longer distance than 50m. (It can cause a communication error.)
When installing the cable, check the connector between the remote controller and the connector. The connector will not be connected well when connected backwards.

Address setup of central control



1 You can set the address up by pressing the Program button and the Set/Clr button about 3 seconds at the same time.

2 The group change uses the temperature control button to change the value possibly. The number of indoor unit uses the temperature control button to change the value possibly.
Ex) Group address: 2
Indoor unit number: 3

3 You can complete setting up the address by pressing the Program button and the Set/Clr button about 3 seconds at the same time.

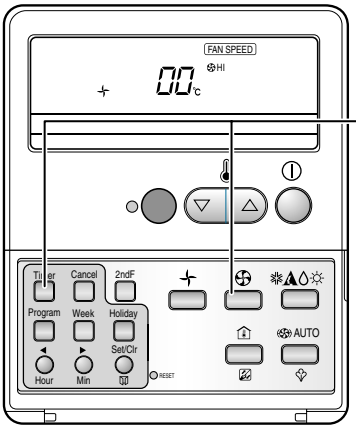
- Multi model: Connect the outdoor unit and P1485 of outdoor unit
- Single model: Connect P1485 of outdoor unit
- When you connect the indoor unit with central control unit, you should setup Network address which is recognized by central control unit inside of indoor unit.
- The address of central control is consisted by group number and number of indoor unit.

Note : The remote controller displays 'HL' if central controller has locked the remote controller.

E.S.P(DUCT TYPE)

What is an E.S.P function?

This is the function that decides the strength of the wind for each wind level and because this function is to make the installation easier, please do not use this function when using the remote controller.



1 If you press the Timer button and the Fan Speed button simultaneously for about 3 seconds, you can enter the ESP value setting mode.

2 Using the Temperature Adjustment button, set the ESP value for each wind level (Low, Mid, High). Use the Wind button to decide the Fan Speed. (The ESP value can be set between 1 to 255.)

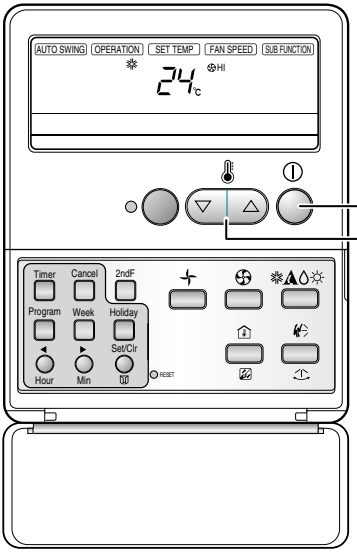
3 After completing the ESP setting, press the Timer button and Fan Speed simultaneously again for about 3 seconds to exit the ESP value setting mode.

* Because the ESP value is already appropriately set when manufactured from the factory, it is recommended that you do not change the ESP value.

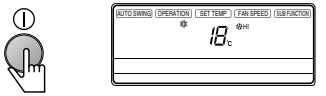
Cooling operation

Standard cooling

It makes the room cool using pleasant and fresh air

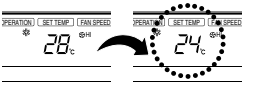


1 It becomes the cooling operation when pressing the ON/OFF button on control part of remote control.



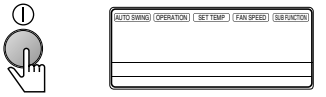
2 Set the desired temperature lower than the room temperature by pressing temperature control button.

- When the desired temperature is setup higher than the room temperature, there won't be any cool air but there will be the air of ventilation statue.



❊ Automatically sets up to the desired temperature as 18°C at the beginning of operation.

3 While using, the cooling operation stops by pressing ON/OFF button.

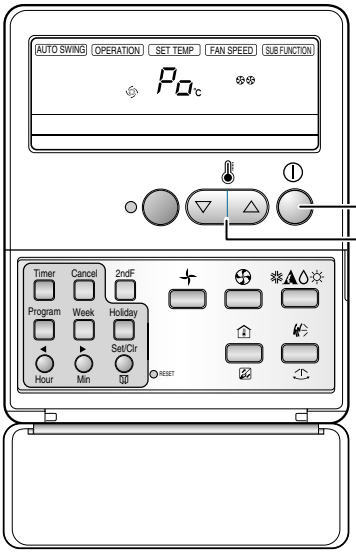


What's the function of 3 minute delay?

- When the product operates right after stopping the cooling, there is no cool air due to the function to protect the compressor.
  The compressor is operated after 3 minutes and the cool air comes out to the indoor.

Power cooling

It cools the room strongly within the short period of time.



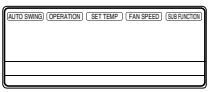
1 After pressing the ON/OFF button on control part of remote control.



2 It becomes the power cooling operation when pressing the Fan speed button after High Fan speed.

3 While operating, the power cooling operation stops when pressing the ON/OFF button.

- The power cooling operation cancels when the fan speed button and the temperature control button are pressed.



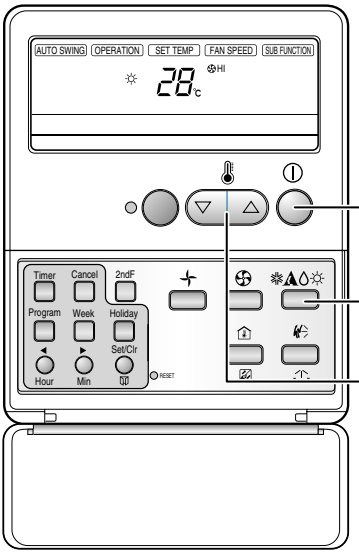
- When cancels, it operates the high cool in cooling statue and sets up the desired temperature as 18°C.

What is power cooling?

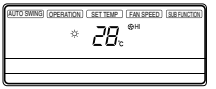
- Desired temperature: 18°C in fact
- Fan Speed: special high cool (Power air)
- Air flow direction: Fix as cooling place

} It quickly lowers the room temperature by operating.

Heating operation



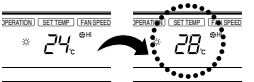
1 After pressing the ON/OFF button on control part of remote control.



2 Select the heating operation by pressing the operation selection button.

3 Set the desired temperature higher than the room temperature by pressing temperature control button.

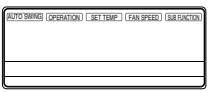
- When the room temperature is set up higher than the desired temperature, the air that is not warm in ventilation statue comes out.



The room temperature — Desired temperature

❊ Automatically sets up to the desired temperature as 30°C at the beginning of operation.

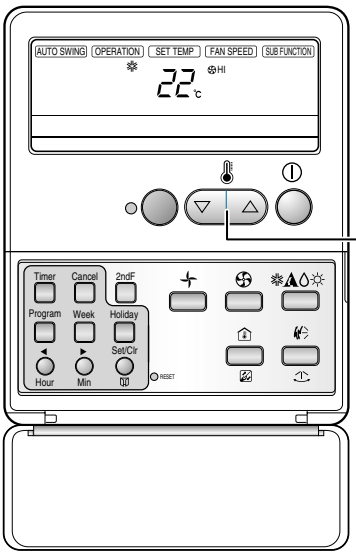
4 While using, the heating operation stops by pressing ON/OFF button.



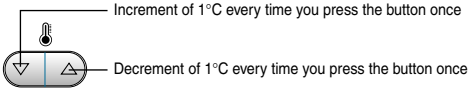
❊ The heating operation operates only at the combination model of cooling and heating.
The heating doesn't operate in the cooling exclusive model.

Temperature control

Setting Desired temperature.



1 Fix the desired temperature using the temperature control button.



- The room temperature: It tells the current temperature.
- Desired temperature: It tells the room temperature that user wants to keep.

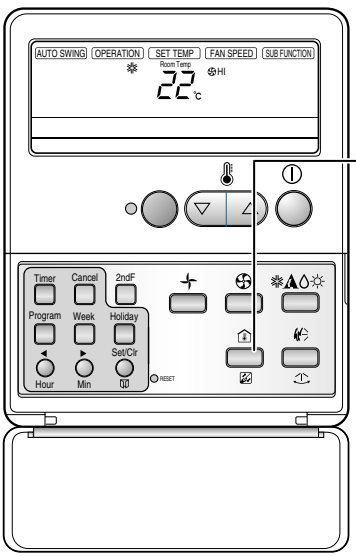
While cooling operation

- Cooling doesn't work if the desired temperature is higher than the room temperature. Fix the desired temperature lower than the room temperature.

While heating operation (Cooling/Heating model)

- Heating doesn't work if the desired temperature is lower than the room temperature. Fix the desired temperature higher than the room temperature.

The room temperature confirmation



1 If you press the room temperature button, room temperature will be indicated about 5 seconds. It will be returned to the desired temperature after 5 seconds.

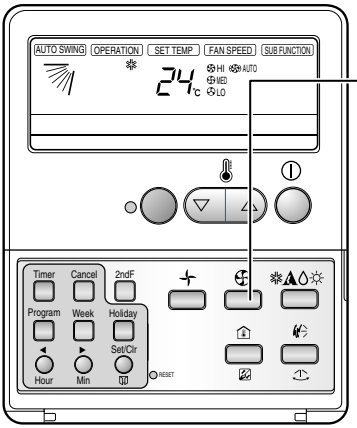
- You can select the desired temperature for cooling operation from 16°C to 37°C and heating operation from 16°C to 30°C.

※There would be some difference between actual temperature you feel and room temperature of remote controller , because the temperature of the position is not uniform which the remote controller is located on.

Fan Speed operation

Fan Speed selector

FAN Speed selection. You can easily adjust the FAN Speed

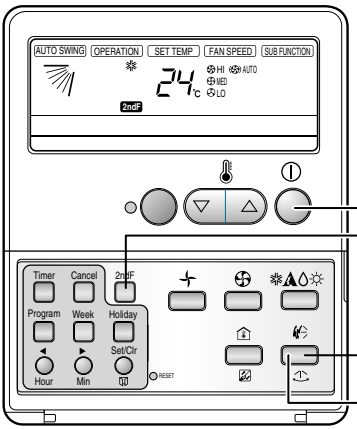


1 Press the FAN Speed button to set the desired strength of the wind.

2 Every time you press the FAN Speed button, the strength of the wind will switch from super low (Only for applicable model) → low → Mid → High → Auto (Only for applicable model) → Power (Only for cooling).
The initial FAN Speed during the operation is “High”.

Air flow direction control

You can simply control the air flow direction as you wish.



1 Press the ON/OFF button.

2 First press the 2ndF button to control left and right direction of the wind.
You will see the 2ndF sign on the screen.

3 Press the left/right wind button.

4 To cancel the left/right operation of the wind, press the Left/Right Wind button.

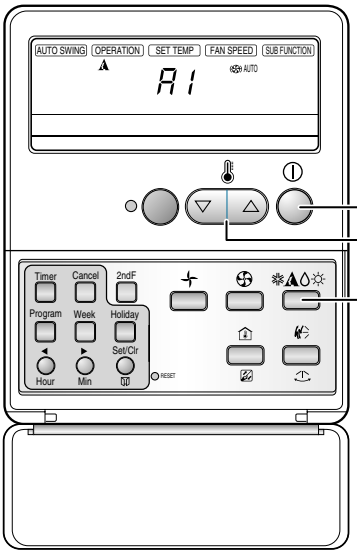
5 Press the Up/Down Wind button.

6 To cancel the up/down operation of the wind, press the Up/Down Wind button one more time.

If you press both the Up/Down Wind and the Left/Right Wind button, all the wind direction bars will be highlighted.
The Up/Down Wind and Left/Right Wind function only works with the cassette type remote controller. It does not work in the duct type remote controller.
Left/Right Wind function only works in the model with the left and right function. When it does not operate, it will show the “No function” sign.
if indoor's type is SRAC which not operates left/right wind function,
It will not show the "No function" sign although press the left/right button.

Additional functions

Auto operation



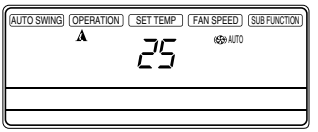
1 Press the ON/OFF button.

2 Select auto by pressing the operation selection button.

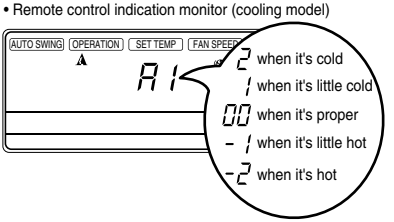
3 You can control the temperature by pressing the temperature control button.

- The temperature and the air capacity are automatically controlled by the current temperature of room.

• Remote control indication monitor (cooling, heating model)



• Remote control indication monitor (cooling model)

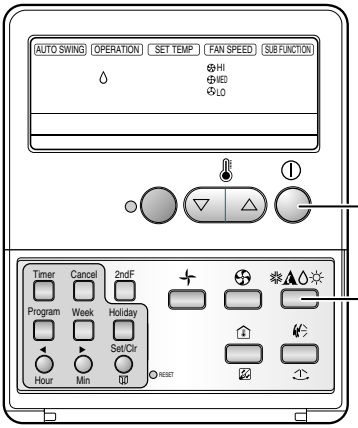


While auto operation....

- You can use the air capacity selection button.
- Select another operation selection manually if it doesn't operate as you wish.
- While auto operation, the louver moves vertically or horizontally if you press the vertical air flow direction button or horizontal air flow direction button.

Dehumidification operation

Remove the dehumidification while lowering cooling.



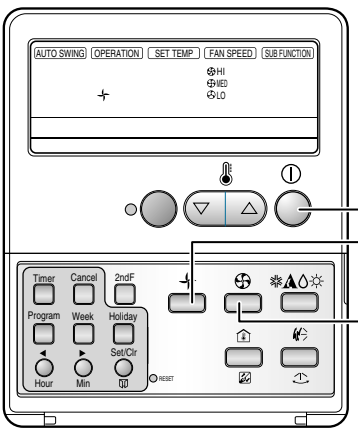
1 Press the ON/OFF button.

2 Fix the dehumidification by pressing the operation selection button.
- While dehumidification operation, the air flow direction selection and the temperature control don't work.

3 The dehumidification operation cancels and becomes the cooling operation if you press the operation selection button once more.

- In the case that you use the function when it's rainy season or when there is high humidity, you can efficiently remove humidity and cooling operation at the same time.

Fan operation



1 After pressing the ON/OFF button

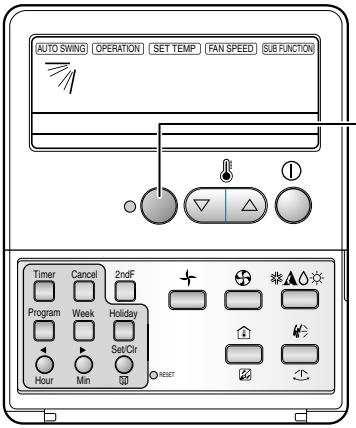
2 Press the Fan operation button.

3 You can select the Fan Speed in order of high → auto → low → medium every time you press the Fan Speed selection button.
- While Fan operating, the compress of outdoor unit doesn't work.

- FAN operation doesn't bring out cold air but air from regular fan comes out.
- Have a function to circulate the indoor as it sends out the air that doesn't have much temperature difference with indoor.

Swirl Function

You can use the swril function.



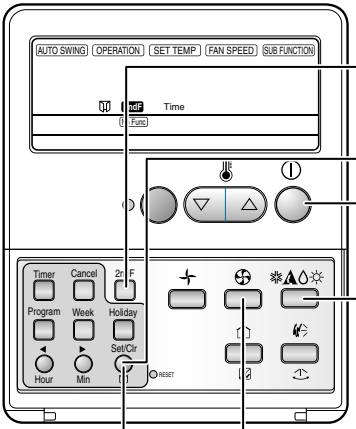
1 Press the Swril button.
Every time you press the Swril button, the sign of wind direction bar will toggle between on and off.
But if the model does not support the Swril , the Swril sign will be shown on the remote controller but the actual product will not operate the Swril function.
The Swril function only exists with the cassette type remote controller. There is no button on the duct type remote controller.

⚠CAUTION

Because Swirl is subfunction, some product will not operate.

Ventilation

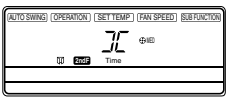
You can use the ventilation function.



1 First press the 2ndF button to use the Ventilation function.
You will see the 2ndF sign on the screen.

2 Press the Ventilation button.
If you press the Ventilation button, the remote controller will operate in Ventilation mode. But for the models that do not support the Ventilation function, 'No function' sign will be shown and will not operate the Ventilation function.

3 If you press the ON/OFF button, the figure on the right screen will be shown.
The Ventilation sign indicates that the ventilation is in progress.

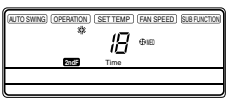


4 When you press the Operation Selection button, the operating mode of the ventilation function repeatedly switches from Heated → Auto → Normal.



5 When you press the Wind Selection button, the strength of the wind changes from Low → High → Power.

6 If you press the Ventilation button again, the remote controller will exit from the ventilation mode and operate in air conditioning mode.
But if the ventilation product is on even in air conditioning mode, the ventilation sign will continuously be shown.



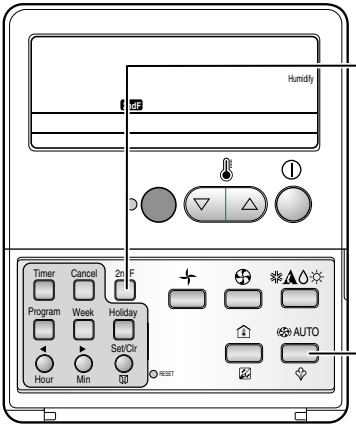
- Ventilation sign shows whether the ventilating product is operated or stopped.
- The ventilation sign indicates that the ventilation product is in operation.

⚠CAUTION

Because Ventilation is subfunction, some product will not operate.

Humidifier

You can use the humidifier function.



1 First press the 2ndF button to use the Humidifier function.
You will see the 2ndF sign on the screen.

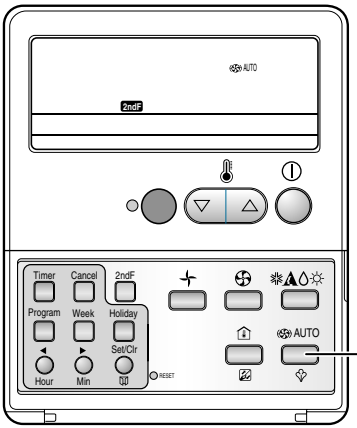
2 Press the Humidifier button.
Every time you press the Humidifier button, it toggles between on and off.
But the Humidifier function is only in the duct type wired remote controller. The Humidifier function will not operate in the cassette type wired remote controller.
But for the models that do not support the Humidifier function, the Humidifier function will not work even though the sign will be shown on the screen.

⚠CAUTION

Because Humidifier is subfunction, some product will not operate.

Fan Auto

You can use the Fan Auto function.



1 First press the 2ndF button to use the Fan Auto function.
You will see the 2ndF sign on the screen.

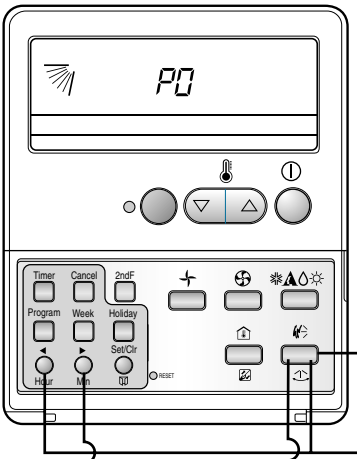
2 Press the Fan Auto button.
Every time you press the Fan Auto button, it toggles between on and off.
But the Fan Auto function is only in the duct type wired remote controller. The Fan Auto function will not operate in the cassette type wired remote controller.
But for the models that do not support the Fan Auto function, the Fan Auto function will not work even though the sign will be shown on the screen.

⚠CAUTION

Because Fan Auto is subfunction, some product will not operate.

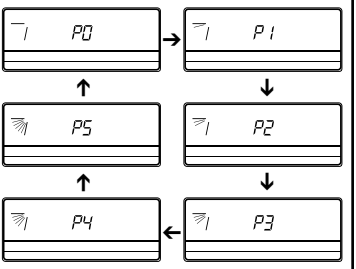
Vane control

You can adjust the vane angle.



1 Simultaneously press the 'Hour' button with the Up/Down Wind button for more than 3 seconds to enter the 2 same vane value setting mode.

2 You will see the right screen.



3 You can adjust the 2 vane angles from P0 to P5 by using the Up/Down Wind button.

4 If you press the 'Hour' button and the Up/Down Wind button simultaneously for more than 3 seconds again, it will exit 2 same vane value setting mode.

5 Press the 'Minute' button and the Up/Down Wind button simultaneously for more than 3 seconds to enter the 2 different vane value setting mode.

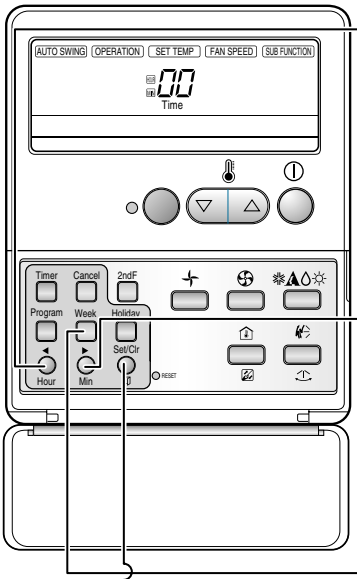
6 Set the vane value following the above method.

7 If you press the 'Minute' button and the Up/Down Wind button simultaneously for more than 3 seconds, it will enter the 2 different vane value setting mode.

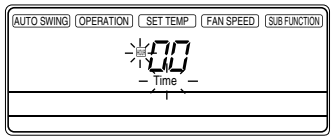
The set angle of the vane does not change even when you turn on and off the air conditioner. (Default is P0).

Setting current time

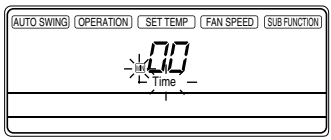
You can simply set up the current time.



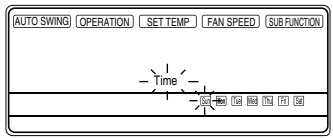
1 Press the 'hour' button on the control part of remote control.
The number from 00 to 23 is changed by pressing the button. Fix the current time.



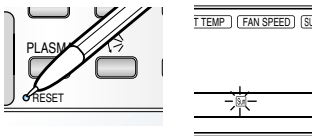
2 Press the 'minute' button on the control part of remote control.
The number from 00 to 59 is changed by pressing the button. Fix the current time.



3 Press the 'day selection' button on the control part of remote control.
The day from Sunday to Monday is changed by pressing the button. Fix the current day.



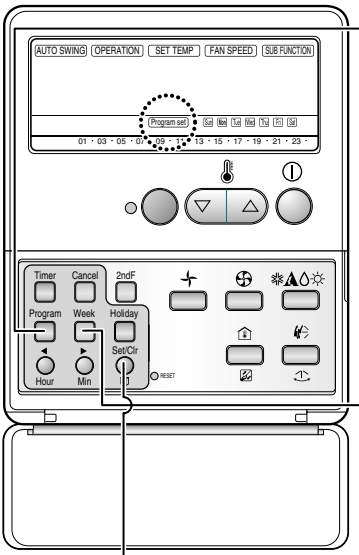
4 Press the 'reset' button on the control part of remote control.



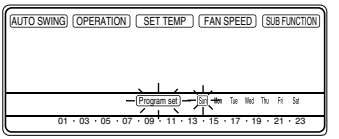
- It sets up when you press the reset button once and performs the cancel function when you press the button once more.

Setting preset for weekly time

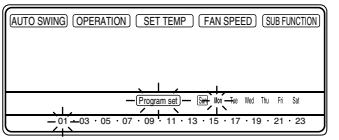
Ex) If you want to operate at Monday from 6 to 8 and from 13 to 22,



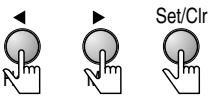
1 Press the weekly time preset button on the control part of remote control.
Indication part blinks as below figure.



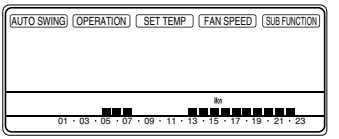
2 Press the daily selection button on the control part of remote control.
Select Monday.



3 Set up the time you want by pressing the set/cancel button while moving using the <, > button.
Set up the time until setting up the time you want.



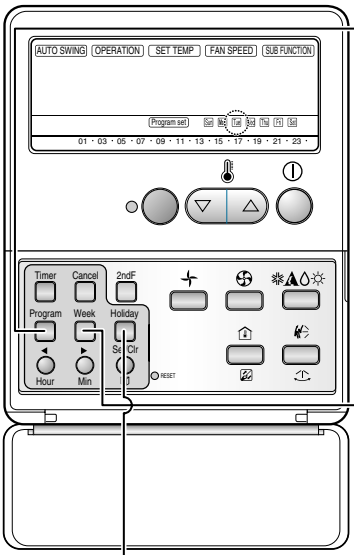
4 It appears on indication part as below if you do the setup you want.
The black bar indicates the operation and empty space indicates the stop.



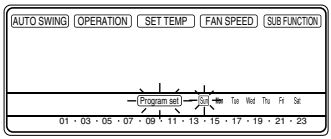
- You can't input of the start/cancel button when the holiday is set up.
- It works wired remote controller's reservation time, if preset time by wireless and wired remote controller at the same time.

Setting holiday

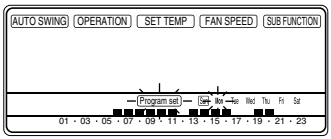
Ex) If the holiday is on Tuesday,



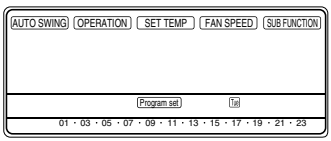
1 Press the weekly time preset button on the control part of remote control.
Indication part blinks as below figure.



2 Press the day selection button on the control part of remote control.
Select Tuesday.

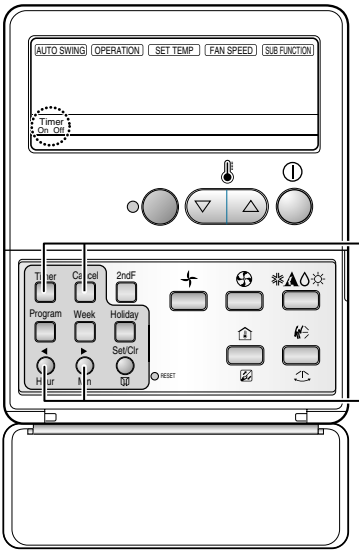


3 Press the holiday selection button on the control part of remote control.
It will be indicated as **Tuesday** on the control part of remote control.
The outside quadrate means the holiday. Tue

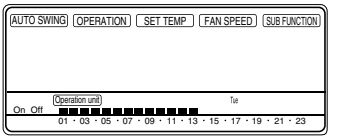


On preset

It turns on automatically at the preset time that had been setup.



1 Press the preset button on the control part of remote control.



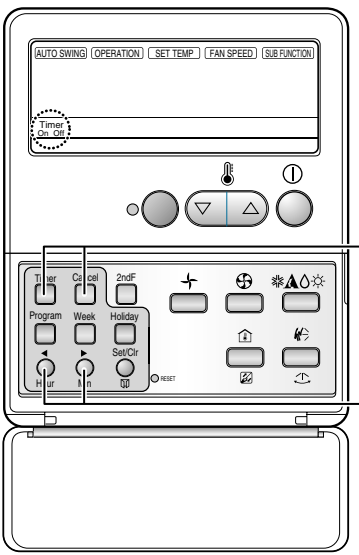
2 Set up the time you want by pressing the <, > button until set up.

3 Press the preset button once more or the cancel button if you want to cancel the preset.

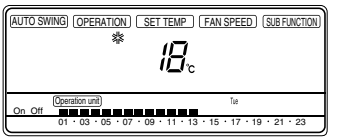
- You can preset when the product is stopped and it automatically operates when it comes the setup time. Operate in previous condition as memorized in remote control while operating.
- It works wired remote controller's reservation time, if preset time by wireless and wired remote controller at the same time .
- In case of power failure condition, on/off preset may be Cancel.

Off preset

It turns off automatically at the preset time that had been setup.



1 Press the preset button on the control part of remote control.



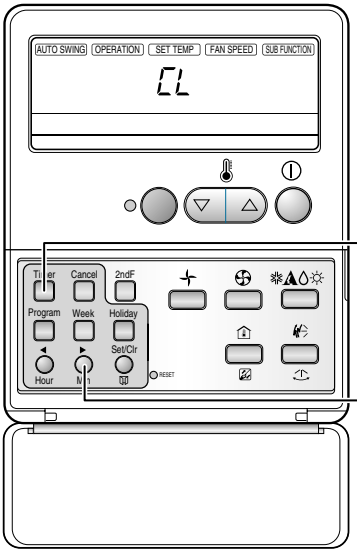
2 Set up the time you want by pressing the <, > button until set up.

3 Press the preset button once more or the cancel button if you want to cancel the preset.

- You can preset when the product is operating and it automatically stops when it becomes the setup time.
- It works wired remote controller's reservation time, if preset time by wireless and wired remote controller at the same time .
- In case of power failure condition, on/off preset may be Cancel.

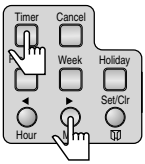
Usage restriction function

The function is used to restrict children to not to use the air conditioner carelessly.
(CL is an abbreviated form of Child Lock.)



Function setup

1 If you press the preset and minute setup button for 3 seconds at the same time, the operation condition switches to the child lock function and will be indicated as "**CL**" on the indication monitor.
At that time, remote control doesn't switch to the selected mode and "**CL**" appears on the indication monitor for 3 seconds if you press another button.
However, it normally performs the actions of the room temperature indication function and wireless remote control.



Function cancel

1 Press the preset and minute setup button over 3 seconds at the same time.
In that case, the child lock function cancels and will be indicated as the previous condition.

Auto restarting Function

1 When the power has been shut off due to power failure or other reasons, it is automatically operated as previous operation condition with the power failure compensation function.

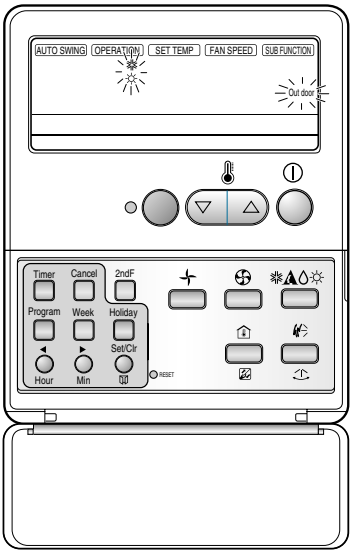
2 In case of power failure condition, the remote contoller display is off but the settings arte retreved arter the power recovery.

Self diagnosis fuction

1 'CH' will flash in the remote controller display when a problem occurs. Then please contact yout dealer.

Different Mode Operation

When One outdoor unit have several indoor units,Different Mode Operation is which each indoor unit operate different mode.



1 If one indoor unit operate heating Mode while several indoor units are operating Cooling Mode, Outdoor segment and Cooling segment are blinking like screen on the left

- It is display to operate cooling in outdoor unit.

2 If one indoor unit operate Cooling or Dehumidification Mode while several indoor units are operating Heating Mode, Outdoor segment and Cooling segment are blinking

- It is display to operate Heating in outdoor unit.

3 When push the On/Off button, the indoor unit operate mode automatically which other indoor unit is operating for 5 second later.

- If the product is not compatible which the Different Mode Operation, Screen will be displayed CH07.
- If CH07 is displayed , please change the mode.
- Different Mode Operation is not error



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After reading this manual, keep it in a place easily accessible to the user for future reference.