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LG

Ventilation Wired Remote Controller

Owner's & Installation Manual

Models: PZRCUSB0

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.



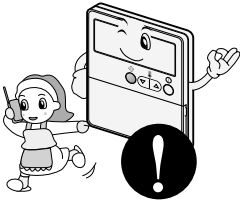
: Warning and Caution are indicated in this guide and the product itself to help protect the users from danger.

▲WARNING

■ Installation

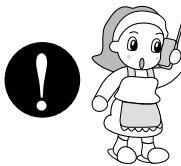
Be sure to request to the service center or installation specialty store when installing products.

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



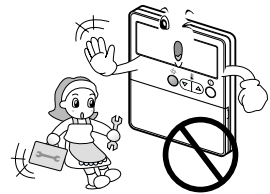
Request to the service center or installation specialty store when reinstalling the installed product.

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



Do not disassemble, fix, and modify products randomly.

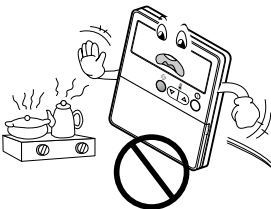
- It will cause fire or electric shock.



■ In-use

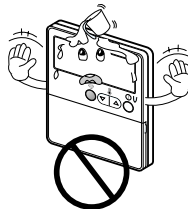
Do not place flammable stuffs close to the product.

- It will cause fire.



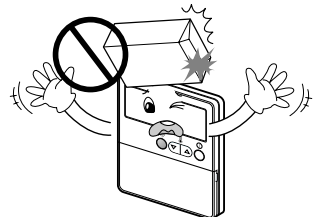
Do not allow water to run into the product.

- It will cause electric shock or breakdown.



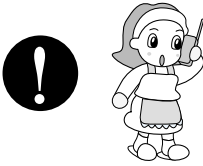
Do not give the shock to the product.

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



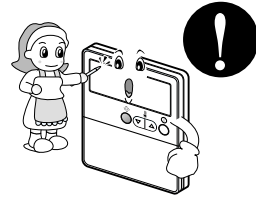
Request to the service center or installation specialty store when the product becomes wet.

- It will cause fire or electric shock.



Do not give the shock using sharp and pointed objects.

- It will cause breakdown by damaging parts.

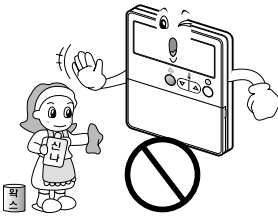


CAUTION

In-use

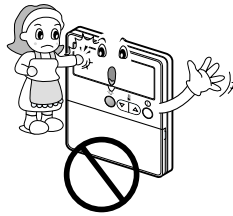
Do not clean using the powerful detergent like solvent but use soft cloths.

- It will cause fire or product deformation.



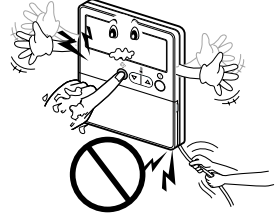
Do not press the screen using powerful pressure or select two buttons.

- It will cause product breakdown or malfunction.



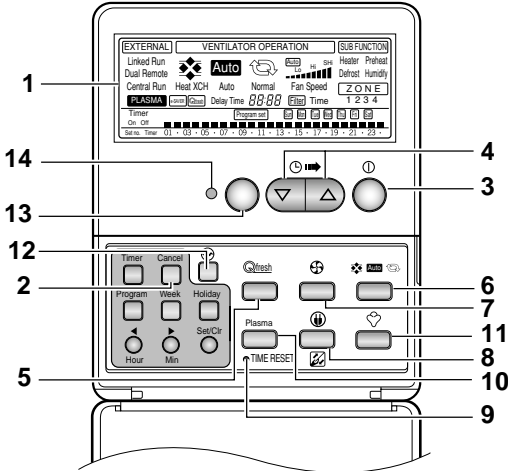
Do not touch or pull the lead wire with wet hands.

- It will cause product breakdown or electric shock.



Part Description

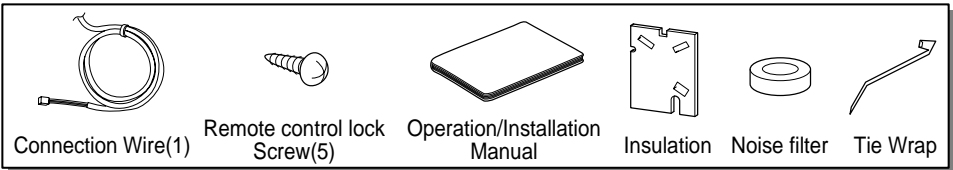
Name and Function of Remote Controller



* Functions depend on model type

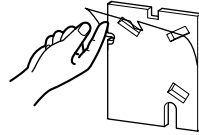
1. Display Window
2. Execute/Cancel of Time Reservation, Weekly Reservation/Week Day Select/Holiday Select Button
3. On/Off Button
4. Time Delay Button
5. Rapid Ventilation Button
6. Ventilation Mode Button
7. Air volume Select Button
8. Power Saving/Filter Cleaning Button
9. Time Reset Button
10. Plasma Button
11. Humidification Button
12. Heater Button
13. Wireless Data Receiver
14. Operation Lamp

※ Operation LED will Turn ON 'Green color' during the operation of indoor unit. If any error occurs, the LED will turn red.

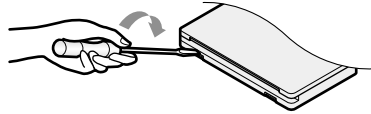


Installation Instruction

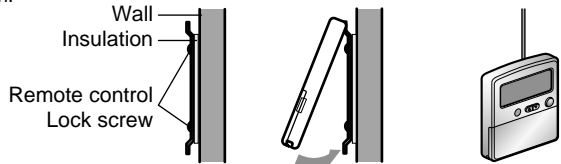
- 1** Remove the sticker attached on the back of the insulation and attach it on the wall where you want to install remote controller.



- 2** Separate the cover of remote control as shown on the right hand side.

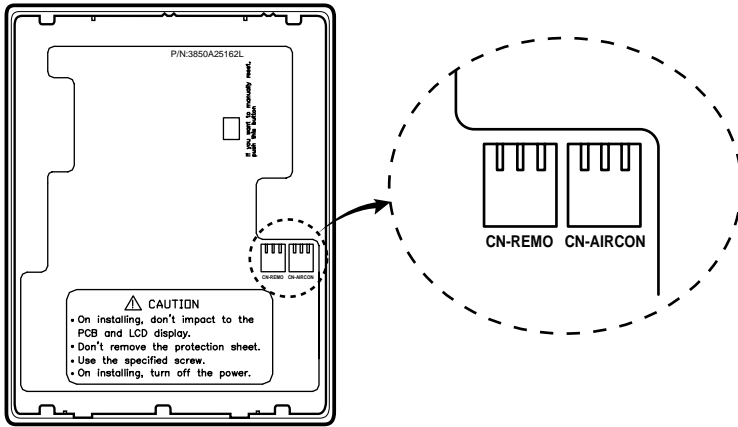


- 3** Fix the setup board over the insulation.

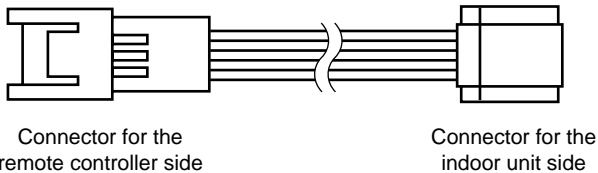


Remote controller Connection Method

1. Check if the cable is properly connected to CN-REMO port
(CN-AIRCON is used if remote controller is connected with Airconditioner)



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



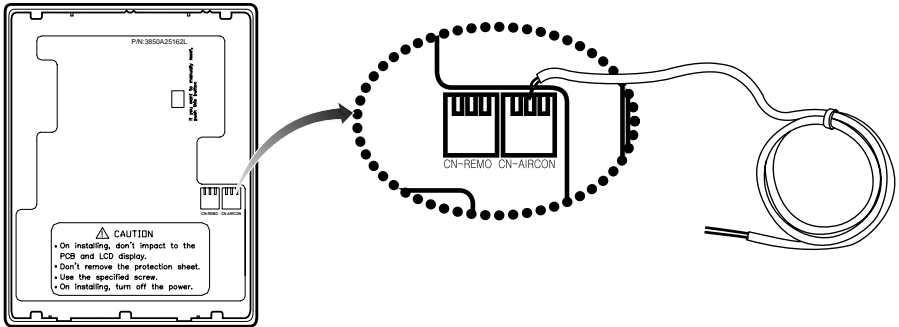
⚠ CAUTION

- * Do not install the cable longer than 50m. (It can cause a communication error.)
- While installing the cable, check the connection between the remote controller and the connector. The connector is not be connected well if extends backwards.
- When cable is installed, 3-4 time it turns the cable in Noise filter
- After setting the Slide switch on the back of remote controller, push the reset button necessary for function set.

Connection Method Between Ventilation Remote Controller and Air conditioner Remote Controller

Ventilation remote controller can be installed along with air conditioner remote controller. But connect ventilation wired remote controller and air conditioner wired remote controller only when its necessary.

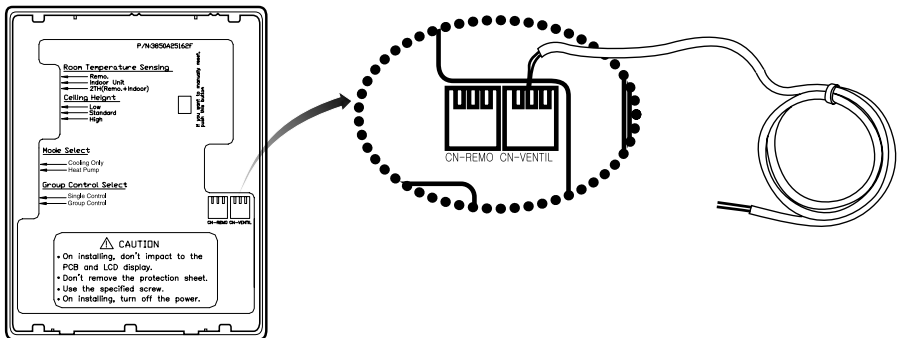
1. Separate the back cover of the ventilation remote controller



< Ventilation remote controller >

2. Connect the link cable at CN-AIRCON at the back side of the remote controller

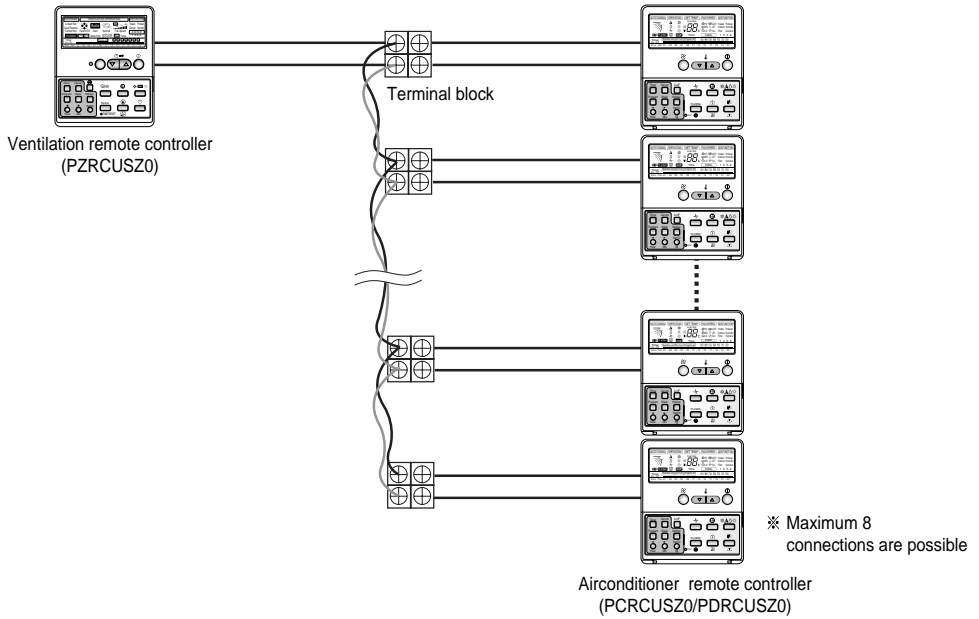
3. Separate the back cover of the air conditioner remote controller



< Airconditioner remote controller >

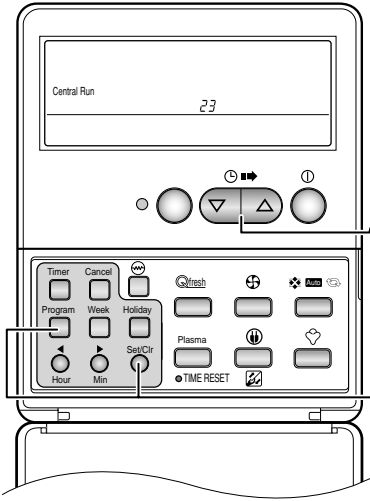
4. Connect the link cable at CN-VENTIL at the back side of the remote controller

5. Use the Terminal block to connect the ventilation remote controller and the air conditioner remote controller
(Yellow wire : Communication line, Black wire : Ground)



6. Maximum 8 air conditioner remote controllers can be connected to one ventilation remote controller.
(If more than 8 remote controllers are connected, it will not be able to operate the system.)

Address Setup for Central Control



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

2 The group number can be set by Delay low button. The indoor unit number can be set by Delay high button (Left side picture is displaying address as 23 possibly).

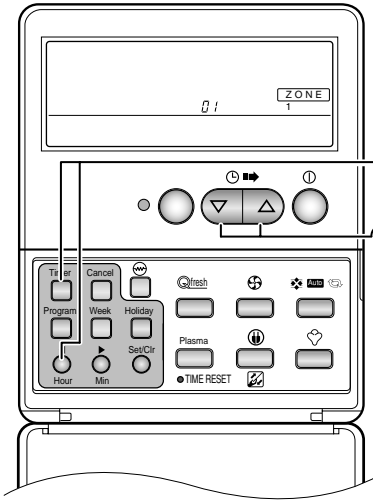
Ex) Group address: 2
Indoor unit number: 3

3 Finally the address setting is completed by pressing the Program button and the Set/Clr button about 3 seconds at the same time again.

• The address of central control consists of a group number and the indoor unit number.

Note : The remote controller displays 'HL' (Hard Lock) if central controller has locked the remote controller.

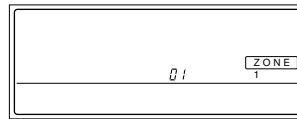
Address Setup for Airconditioner -Ventilator Connection



1 Set the air conditioner remote control to set the central control address of each indoor unit.

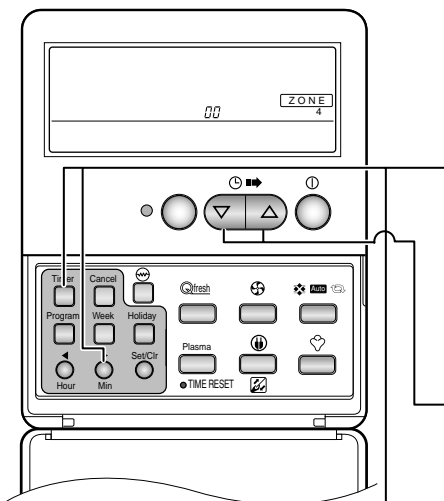
2 Press the Timer and Hour button simultaneously for about 3 seconds. Now remote controller enters into the mode to input a start address of the connected air conditioner while displaying operation area 1.

3 Using the Delay low/high button, set the start address of connected air conditioner
(ex : in case of the air conditioner's address 01~08, set the start address 01 from ventilation remote controller)



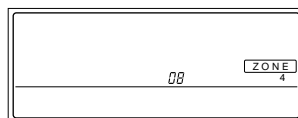
< Setting of start address >

4 When address setting is finished, press the Timer and Hour button simultaneously about 3 seconds. This completes the setting of start address.



5 Press the Timer and Min button simultaneously about 3 seconds. Now the remote controller enters the mode to input an end address of the connected air conditioner while displaying operation area 4.

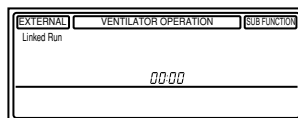
6 Using the Delay low/high button, set the end address of the connected air conditioner (ex : in case if the air conditioner's address 01~08, set the end address 08 from ventilation remote controller)



< Setting of end address >

7 When the address setting is finished, press the Timer and Min button simultaneously about 3 seconds. This completes the setting of end address.

8 When the start address and end address setting is finished, the linked run mark is indicated in the LCD of the ventilation wired remote controller.

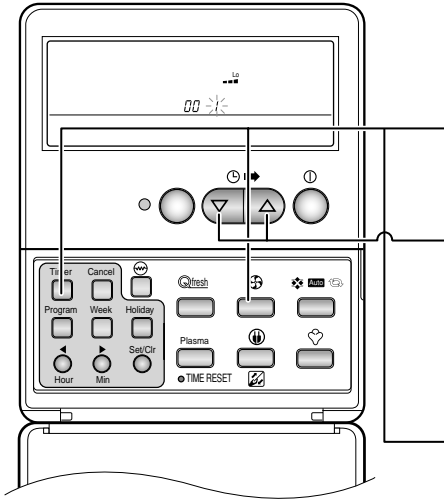


< Screen display, when address setting is finished >

E.S.P(INFLUX)

What is an E.S.P function?

This is the function that decides the strength of the air for each air speed and because this function is to make the installation easier, please do not use this function while 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 Delay low/high button, set the ESP value for each wind level (Low, Mid, High). Use the Fan Speed button to decide the Fan Speed. (The ESP value can be set between 1 to 255.)

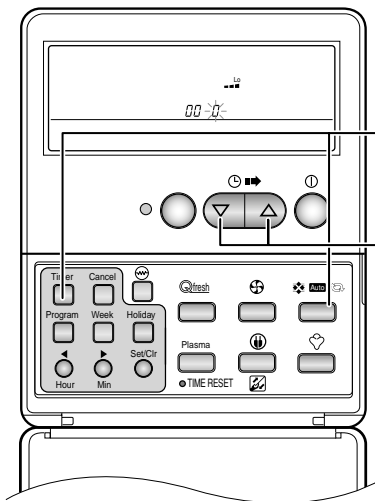
3 After completing the ESP setting, press the Timer button and Air volume simultaneously again for about 3 seconds again to exit the ESP value setting mode.

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

E.S.P(OUTFLOW)

What is an E.S.P function?

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



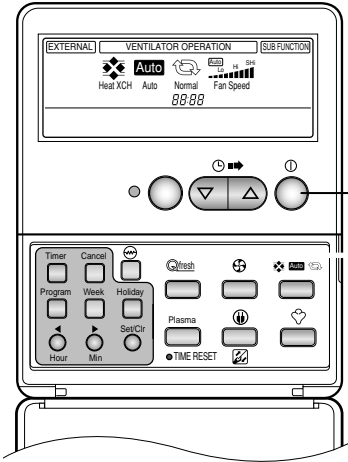
1 If you press the Timer button and the Ventilator mode button simultaneously for about 3 seconds, you can enter the ESP value setting mode.

2 Using the Delay low/high button, set the ESP value for each air speed (Low, Mid, High). Use the Fan speed 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 Ventilator mode button simultaneously for about 3 seconds to exit the ESP value setting mode.




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

Ventilation Mode Setting

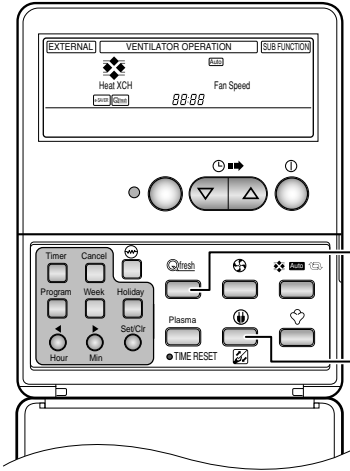


Select the desired operation mode by pressing the Ventilation Mode button.

- You can select the Operation Mode in the order of **Total Heat** → **Auto** → **Normal** whenever you press the Ventilation Mode button.

Select Mode	Display Window	Functions
1. The Ventilation via Total Heat Exchange mode	 Heat XCH	Mode that supply/exhaust air via Total heat exchange method. Appropriate for use in summer/winter when temperature difference between indoor/outdoor air is severe.
2. The Auto mode	 Auto	Automatically operates in the optimum ventilation mode by measuring the indoor/outdoor air temperature of the ventilation system. ※ Searches the optimum status by operation mode or setting temperature of ventilator as well as by indoor/outdoor temperature of the ventilation system if linked to Multi-V system. (Only for some models)
3. The Normal Ventilation	 Normal	Mode that exhaust the air without the Total heat exchange method. Appropriate for use in spring/autumn or in case of the high indoor pollution degree.

Rapid Ventilation/Power Saving Ventilation



Rapid Ventilation

Press the **[Rapid Ventilation]** button.

• Operation for preventing the polluted indoor air or moisture from extending to other rooms.

- Supply Air fan : Low.
- Exhaust fan : Super High

• **[Rapid]** is indicated on the remote controller and the air volume is indicated "Auto".

※ It is better to use Rapid Ventilation function when the indoor pollution degree is high.

• Inflow prevention operation means function to improve pleasantness by preventing inflow of outdoor smell or moisture by more increasing Supply Air volume than Exhaust air volume.

- Supply air fan : Super high
- Exhaust fan : Low

For more information, contact the professional installation agent.



Power Saving Ventilation

Press the **[e-Saver]** button.

• Operation to achieve saving of power by searching for the best efficient operation point.

• Promote discharge of CO2 by increased exhaust air volume than supply air volume.

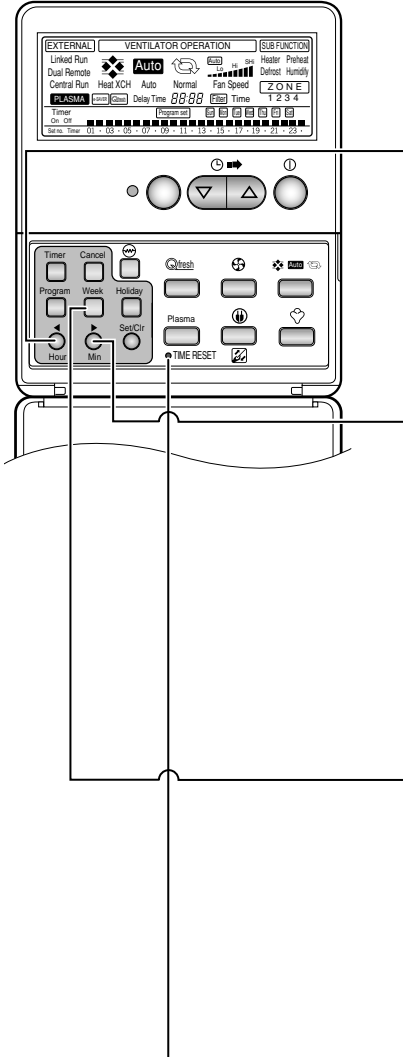
• **[e-Saver]** is indicated on the remote controller and the air volume indicates 'Auto'.



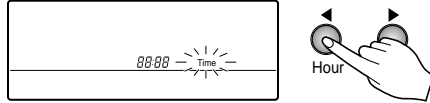
Additional Function

Setting of current time

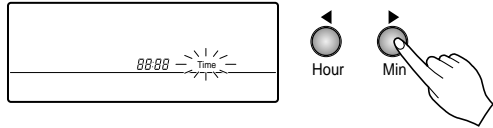
- You can easily set the current time.



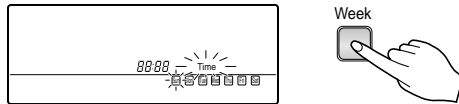
- Press the [Hour] button on the adjustment part of the remote controller.
Figures change from 00 to 23 whenever you press the button.
Adjust the current time.



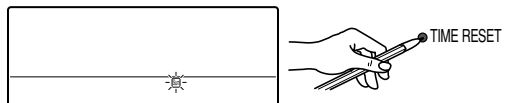
- Press the [Minute] button on the adjustment part of the remote controller.
Figures change from 00 to 59 whenever you press the button.
Adjust the current time.



- Press the [Week Day Select] on the adjustment part of the remote controller.
Weekdays change from Sunday to Saturday whenever you press the button.
Adjust the current day.



- Press the [Reset] button on the adjustment part of the remote controller.

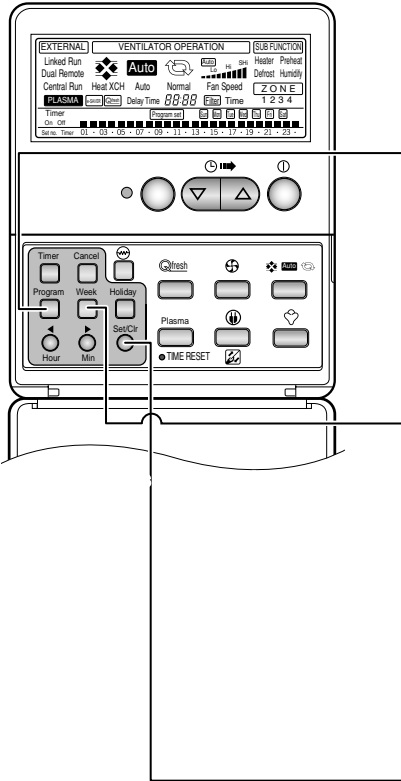


*If you press [RESET] button once, current time is set.
And if you press it once again, current set time is cancelled.

Weekly Reservation Setup

No reservation operation can be set if the current time not is not set.

Example) To operate the ventilator at 06:00 ~ 08:00 and 13:00 ~ 22:00 on Monday



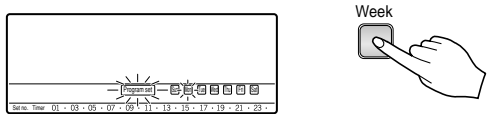
1 Press the **[Program]** button on the adjustment part of the remote controller.

- Display part flickers as following figure.

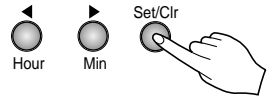


2 Press the **[Week]** button on the adjustment part of the remote controller.

- Select Monday.
- A day of the week change every time you push the button.

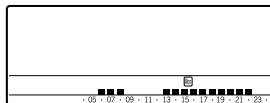


3 Set the desired time by pressing the **[Set/Clr]** button by using **[Hour, Min]** button.
Set the time as per your needs



4 The setting is displayed as shown below

- Black block indicates 'operation' Blank part indicates 'standby' mode.

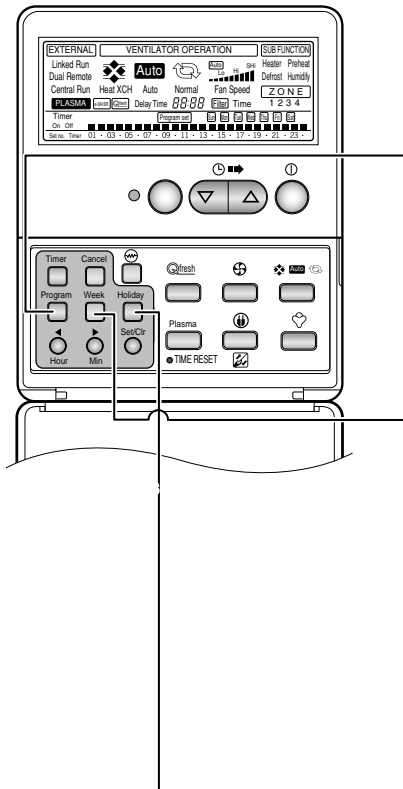


- Holiday can't be set by **[Set/Clr]** buttons.

Holiday Setup

Example) In the case it's holiday on Tuesday.

- Automatically turns off when the reservation day set up.



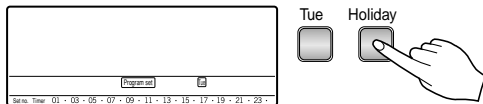
- Press the **[Program]** button on the adjustment part of the remote controller.
 - Display part flickers as following figure.



- Press the **[Week]** button on the adjustment part of the remote controller.
 - Select 'Tuesday'.



- Press the **[Holiday]** button on the adjustment part of the remote controller.
 - [Tue]** is indicated on the adjustment part of the remote controller.
 - The outside square means a holiday.

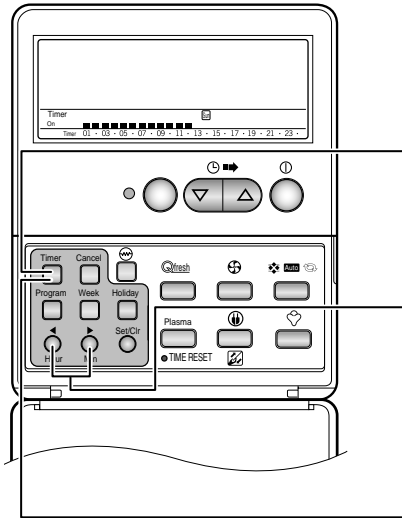


- Set up will be done automatically after 5 seconds.

On/Off Reservation

'On' Reservation

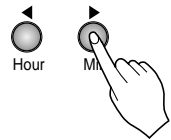
- This function will automatically turn ON the units at set time.



1 Press [Timer] button on the adjustment part of the remote controller.

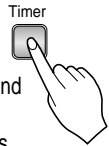


2 Set the desired time with [Hour, Min] button.



3 Press [Timer] button once more or press the Cancel button in order to cancel reservation.

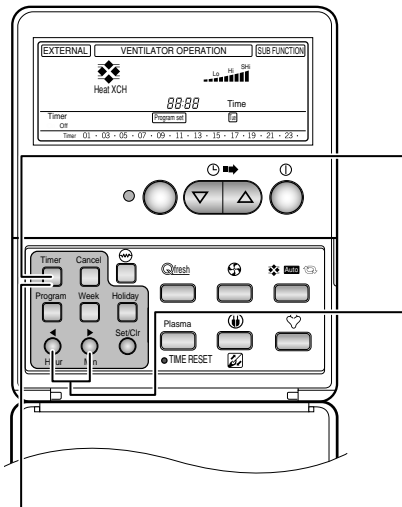
- You can reserve only when the product is 'off' and it automatically operates at set up time. During operation, the ventilator operates in the previous status memorized in the remote controller.



Ex) After 2 hours, the product operates automatically.

'Off' Reservation

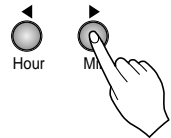
- This function will automatically turn OFF the units at set time.



1 Press [Timer] button on the adjustment part of the remote control.

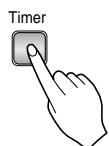


2 Set up desired time with [Hour, Min] button.



3 Press [Timer] button once more or press the Cancel button in order to cancel reservation.

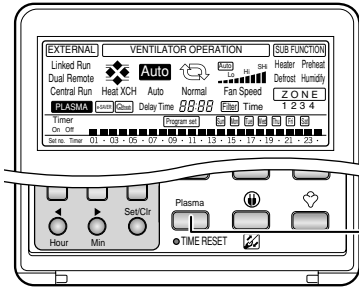
- You can reserve only when the product is during operation and operation automatically stops at the set up time.



Ex) After 2 hours, the unit stops automatically.

Optional Function

Plasma

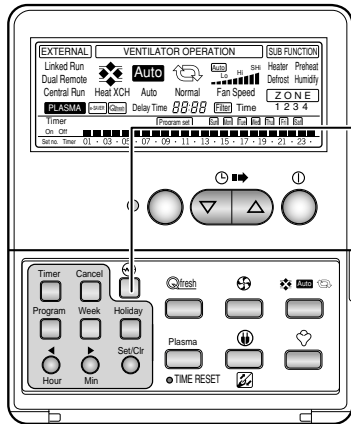


- 1 Press the plasma button.
- 2 The plasma function is performed so that purifies quality the air which flows with the interior

Because Plasma is subfunction, some products will not operate it. Also Plasma function is possible only when operating.

Heater

You can use the Heater function.



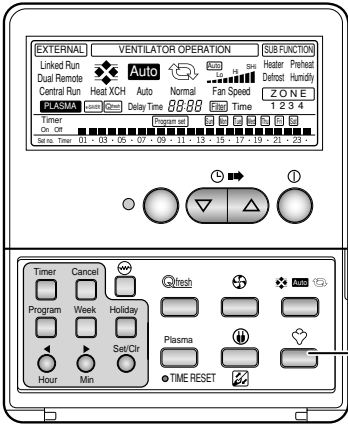
- 1 Press the Heater button. When the outside temperature is low, it raises heat exchange efficiency by pre-heating the air. This adds to the comfort for the user
- 2 Everytime you press the Heater button, it will toggle on/off.

CAUTION

The Heater function can only be operated during the heating operation.
Because Heater is subfunction, some product will not operate.

Humidifier

You can use the humidifier function.

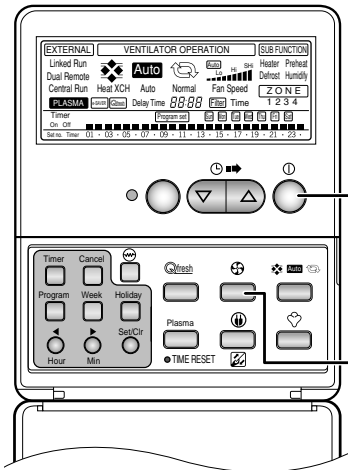


- 1** Press the Humidifier button. When indoor air condition is dry, the humidifier operates and it maintains the humidity. The humidification function operates when the room temperature is low only.
- 2** Everytime you press the Humidifier button, it will toggle into On/Off.

CAUTION

Because Humidifier is subfunction, some products will not operate.


Method to Operate and Select Air Volume



Operation selection

Press the Operation/Stop button.

- The ventilation system operates. If you press the On/Off button. If you press it again, the ventilation the system stops.



Blowing operation

Select the desired air volume by pressing the fan speed selection button.

- You can select the air volume in the order of **Low** → **High** → **Super High** → **Auto** whenever you press the Air volume Select button.
- The initially fan speed is set at '**High**'.

