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Order No.	CWROM-1606-00631
P/No.	MFL62171722

최종 컨펌일자 : 2016-6-28

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개정일자 :2016-6-1

QA 요청사항 : 1. 원고에 지시된 대로 작업한 후 이상없이 작업 되었는지 재차 검토 후 PDF 파일을 생성한다.
2. 작업완료 후 담당 연구원에게 수정부분에 대한 검증요청한다.
(*** 반드시 필요 - 의뢰자가 요청한 의도대로 작업이 정확히 되었는지 반드시 확인이 필요함)
3. 아래 체크리스트에 따라 놓치기 쉬운 사항을 우선으로 한번 더 확인한다.

* 필수확인 - QA요구사항

작업원고와 수정내용이 일치하는가?	X 예
언어표시띠의 위치(누락여부)는 바른가?	X 예
약물(기호)이 깨지거나 위치가 어긋 난 곳은 없는가?	X 예
그림이 가려지거나 잘려나간 곳은 없는가?	X 예
바코드와 P/No.가 일치하는가? (바코드 확인)	X 예

*최종 확인후 본 체크리스트는 삭제됩니다.

ENGLISH

ESPAÑOL

OWNER'S MANUAL

AIR CONDITIONER

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

AHU CONTROL KIT

P/NO : MFL62171722

www.lg.com

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Safety Precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed.

■ Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.

⚠WARNING	This symbol indicates the possibility of death or serious injury.
⚠CAUTION	This symbol indicates the possibility of injury or damage.

■ Meanings of symbols used in this manual are as shown below.

	**Be sure not to do.**
	**Be sure to follow the instruction.**

⚠WARNING

■ Installation

System air conditioner can only be installed by specialized service provider with air condition installation certifications.

- Inappropriate installation can cause leakage, fire and electric shock.

When moving or reinstalling the air conditioner, please contact the MULTI V$_{TM}$ AHU installation service provider.

- Inappropriate installation can cause leakage, fire and electric shock.

Do not disassemble, repair or reconfigure the product arbitrarily.

- It can cause a fire and electric shock.

Do not store or use flammable gas or volatile substance near the air conditioner.

- It can cause a fire or problem to the product.

Do not bend or damage the power cable.

- It can cause a fire or an electric shock.

For the electric construction, request for service to the distributor or the service center.

- Arbitrary disassembly or repair can cause a fire or an electric shock.

Always ground the product.

- If the product is not grounded properly, it can cause an electric shock.

When installing the product, always install the electric circuit breaker and the exclusive switch.

- If they are not installed, it can cause a fire or an electric shock.

Do not use damaged circuit breaker or exclusive switch.

- It can cause a fire or an electric shock.

When opening the box or installing the product, be careful of any sharp objects.

• It can cause an injury.

Use the fuse of rated capacity.

• It can cause a fire or an electric shock.

For the product installation, request for service to the service center or the installation service provider.

• It can cause a fire , an electric shock, an explosion or an injury.

The electric construction must be performed by an electrician for electric installation based on the installation manual and designated circuit diagram.

• Use of inappropriate wire and electric construction, can result in an electric shock or a fire. Technical standard for electric equipment

Use designated installation material at the designated location for the product installation.

Do not install the product outdoors.

■ Operation

Do not let water get inside (Controller) the product. Especially do not wash the product with water.

• It can cause an electric shock or a problem to the product.

Do not leave the product near a heating device.

• It can cause a fire.

Do not change or expend the power cord arbitrarily.

• It can cause a fire or an electric shock.

Use exclusive cable for the product.

• It can cause a fire or an electric shock.

If you hear or smell a weird sound or odor, or if you see smoke from the product or if you experience a power outage, pull down the main power switch.

• If not, it can cause a fire or an electric shock.

Do not put any heavy objects on top of the power cable.

• It can cause a fire or an electric shock.

Do not let the work or the user get on top of the product.

• He or she can fall over to get injured.

Do not use any heating devices near the power cable.

• It can cause a fire or an electric shock.

Do not turn off the power with the main power switch while the product is operating.

• It can cause a fire or an electric shock.

Do not operate the switch with wet hands.

• It can cause a fire or an electric shock.

If you are not planning to use the product for a long period of time, pull down the main power switch.

• It can cause a fire or an electric shock.

If the gas leaks, open the window to ventilate the room before operating the product.

• It can cause an explosion or a fire.

Do not put containers with water on top of the product.

• If the water spills over, it can cause a fire or an electric shock.

⚠ CAUTION

■ Operation

When installing the product, make sure to level the product.

• It can cause vibration or leakage.

Do not install the product at a location where flammable gas is leaking.

• It can cause a fire or a problem to the product.

Do not carry the product by yourself.

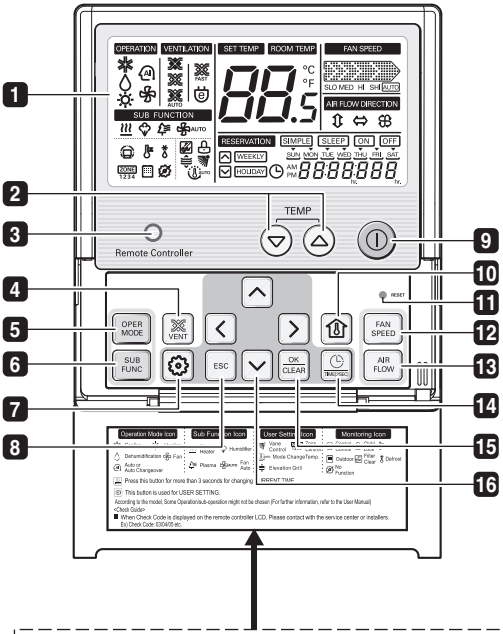
• You can get injured by doing so.

Necessary sensor by operating mode

Operating mode	Necessary sensor	Function
Cooling	SA temperature sensor RA temperature sensor	- This runs indoor cooling. - Initial external air inlet setting is 30% of the air supply during the air conditioning and this can be changed by the user. But, when the damper actuator is installed on AHU, the setting can be changed.
Heating	SA temperature sensor RA temperature sensor	- This runs the indoor heating. - Initial external air inlet setting is 30% of the air supply during the heating and this can be changed by the user. But, when the damper actuator is installed on AHU, the setting can be changed.
Energy saving	SA temperature sensor RA temperature sensor OA temperature/ humidity sensor Damper actuator	- This is the operating function to run indoor air conditioning by controlling multiple outdoor units by comparing the enthalpy of the indoor/outdoor air. - During the Energy saving operation, the operation switches between partial air conditioning operation (Controlling multiple outdoor units) and fresh air conditioning operation (Outdoor unit OFF, 100% external air flow). - This is operating function is mainly used in between seasons. But if there is no OA temperature/humidity sensor and RA temperature/humidity sensor on the AHU, the energy saving operation cannot be selected.
Dehumidification	SA temperature sensor RA temperature sensor OA temperature/ humidity sensor	- This is the operating function to remove the indoor humidity when the humidity level indoor is excessive. - During the dehumidification operation, the set value is 50%RH and the user cannot change this setting. But if there is no OA temperature/humidity sensor and RA temperature/humidity sensor on the AHU, the dehumidification operation cannot be selected.
Humidification	SA temperature sensor RA temperature sensor	- This is the operating function to control the humidity to the set value by detecting the indoor humidity level. - This can be selected during heating operation. But if there is no humidifier/humidifying valve and RA temperature/humidity sensor on the AHU, the humidification operation cannot be selected.
Auto ventilation	SA temperature sensor RA temperature sensor CO_2 sensor Damper actuator	- This is the operating function to control the amount of external air flow so that the CO_2 level is controlled within the set level by detecting the indoor CO_2 level. - The initial CO_2 level is set to 1000ppm, and can be changed by the user. - This function operates when auto ventilation operation (Additional operation) is selected during air conditioning or heating operation. But if there is no CO_2 sensor and damper actuator on the AHU, the auto ventilation operation cannot be selected.
Preheating	SA temperature sensor RA temperature sensor Mixing temperature/ humidity sensor	- When the mixing temperature during the heating operation is below the set value (5°C), preheating device automatically operates. The preheating device and mixing temperature sensor must be installed on AHU for this to operate automatically.

Part Description

Name and Function of Remote Controller

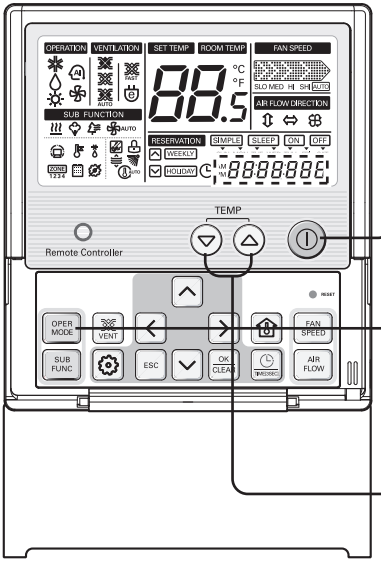


Please attach the inform label inside of the door.
Please choose proper language defend on your country.

1. **OPERATION INDICATION SCREEN**
2. **SET TEMPERATURE Button**
3. **WIRELESS REMOTE CONTROLLER RECEIVER**
   - Some products don't receive the wireless signals.
4. **VENTILATION Button**
5. **OPERATION MODE SELECTION Button**
6. **SUBFUNCTION Button**
7. **FUNCTION SETTING Button**
8. **EXIT Button**
9. **ON/ OFF Button**
10. **ROOM TEMPERATURE Button**
11. **RESET Button**
12. **FAN SPEED Button**
13. **AIR FLOW Button**
14. **RESERVATION/ TIME SETTING Button**
15. **SETTING/ CANCEL Button**
16. **UP, DOWN, LEFT, RIGHT Button**

- 3/4/12/13 does not work.
- 6 Additional operation button depends on the application of the sensor.

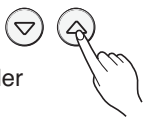
Basic operation of wired remote controller



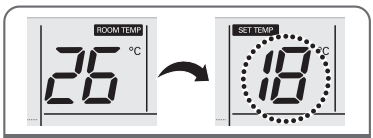
1 Press the On/Off button on the control part of the remote controller to start the operation.

2 Press the Operation Selection button to set the operating mode (Cooling/Heating etc.).

3 Press the Temperature Control button to set the desired temperature below the indoor temperature. (Based on air conditioning operation)



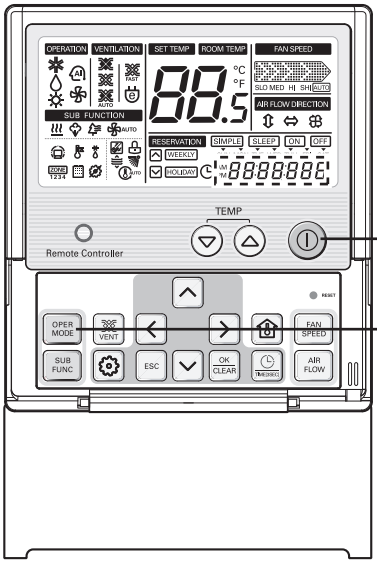
(Example) Remote controller display window



During the initial operation, the desired temperature is automatically set below the indoor temperature.

4 When you press the On/Off button during use, the operation will stop.

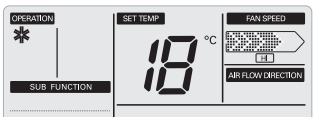
Main function of wired remote controller



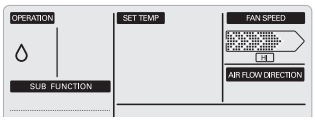
1 Every time you press the On/Off button, the ON and OFF will be repeated.

2 Every time you press the Operation Selection button, it will change in the order of Cooling → Dehumidification → Heating → Energy saving → Ventilation.
There are operating modes that cannot be set depending on the applied sensor.

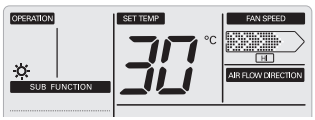
<Cooling>



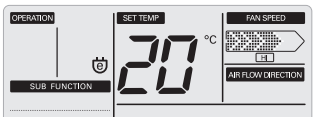
<Dehumidification>



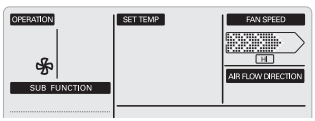
<Heating>

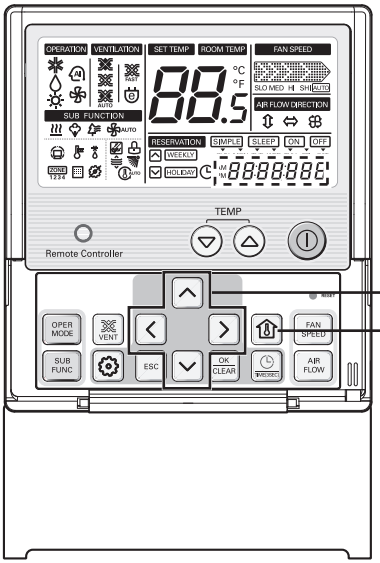


<Energy saving>



<Ventilation>





Current humidity / CO_2 level

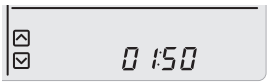
Function Code | Setting

(Function set by code)
* Code 01: Current humidity
* Code 02: Current CO_2 level

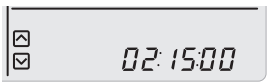
: Current humidity

: Current CO_2 level

(Example)

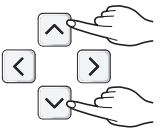


<Current humidity: 50%>

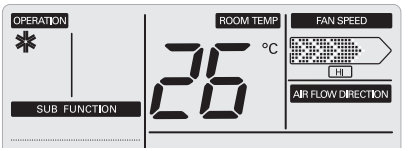


<Current CO_2 level: 1500ppm>

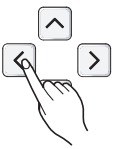
3 Every time you press the Temperature Control button and the Up/Down button, the desired temperature will change.
Cooling/Energy saving:
18~30C / Heating: 16~30C
Dehumidification/Ventilation:
Desired temperature cannot be changed

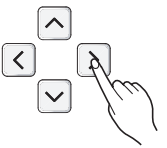


4 When you press the Indoor Temperature button, the Return Temperature of AHU will be displayed for about 5 seconds.



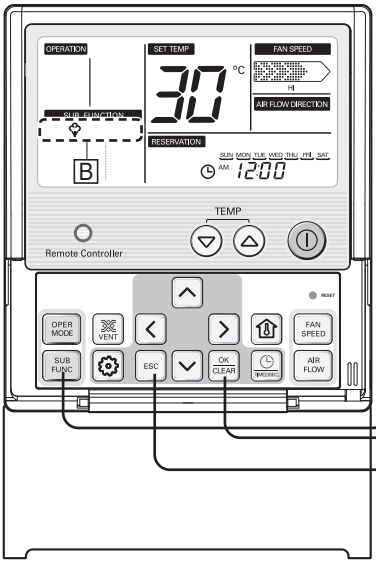
5 To check the current humidity, press the 'Left' button when the indoor temperature is displayed and the indoor humidity will be displayed at Display 'C'.
To check the current CO_2 level, press the 'Right' button when the indoor temperature is displayed and the current CO_2 level will be displayed at Display 'C'.





Supplementary function of wired remote controller

Humidifier



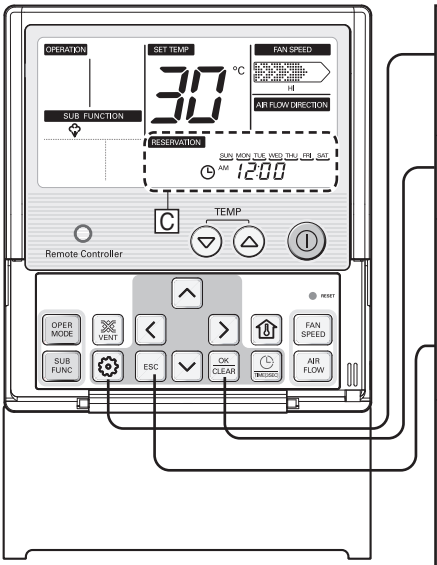
1 Press the Additional Operation button.

2 When the Humidifier icon flashes in Display 'B', press the Set/Cancel button to start the humidifier.

3 When you press the OK/CLEAR button one more time, the humidifier will stop.

* Humidifier can only be set during heating operation.
* Humidification operation can only be used when the humidifier is installed.
* The humidification operation is controlled by the desired temperature set.

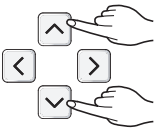
Desired humidity control



1 Press the Function Setting button.

2 Set the Function Code of Display 'C' to 01.

3 Press the Up/Down button to set the target humidity.



4 Press the OK/CLEAR button to decide the desired humidity.

* Desired humidity can be controlled in the range of 40~60% by 5% increment.
* Default humidity is set to 50%.

Display C: Desired humidity

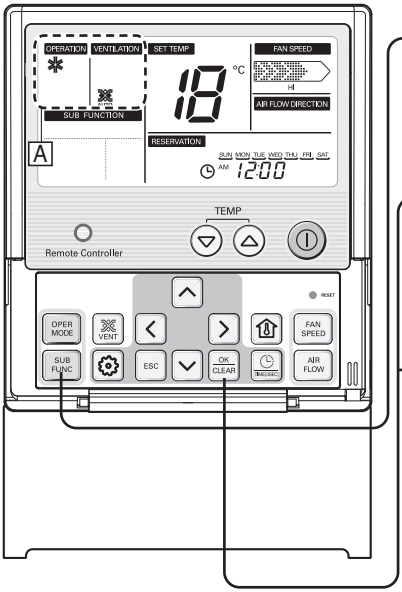
(Function set by code)
* Code 01: Desired humidity

: Desired humidity

(Example)

<Desired humidity: 50%>

Auto ventilation



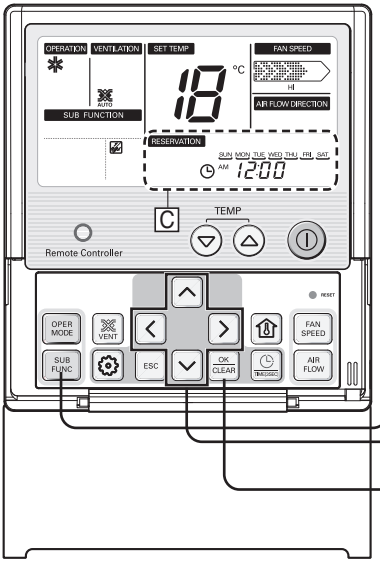
1 Press the Additional Operation button.

2 When the Auto icon flashes in Display 'A', press the OK/CLEAR button to start the Auto Ventilator.

3 When you press the OK/CLEAR button one more time, the Auto Ventilator will be canceled and return to the previous operating condition.

* Auto Ventilator function can only be set during the Cooling/Heating operation.

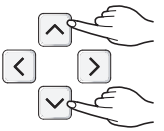
Desired CO_2 level control



1 Press the Additional Operation button.

2 Set the Function Code of Display 'C' to 02.

3 Press the Up/Down button to set the target CO_2 level.



4 Press the OK/CLEAR button to set the target CO_2 level.

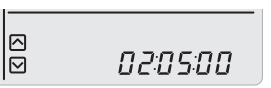
* Desired CO_2 level can be controlled in the range of 500~1500ppm by 100ppm increment.
* Default humidity is set to 1000ppm.

Display C: CO_2 level

(Function set by code)
* Code 02: Desired CO_2 level

[ ] : Desired CO_2 level

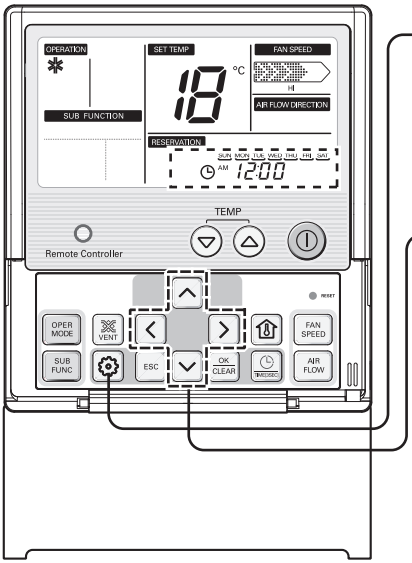
(Example)



<Desired CO_2 level: 500ppm>

Reservation function of wired remote controller

Changing Current Time

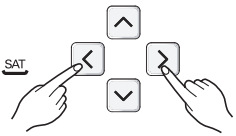


1 Keep pressing [TIMECLOCK] button for 4 secs to enter Setting current time mode.

Ex) Changing Current Time as 'Monday / AM 10:20'.

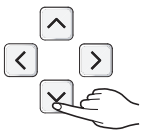
2 Press [<] [>] key to adjust the current day.

SUN MON TUE WED THU FRI SAT

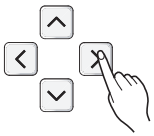


3 Press [v] key to move to AM/ PM setting mode (the 'AM/ PM segment will flash).

AM 12:00

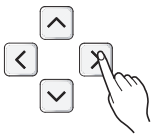


4 Setting AM/ PM value by pressing [>] button.



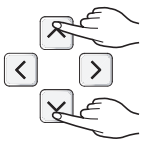
5 Press [>] button to move to 'Hour' setting mode. (the 'Hour' segment will flash)

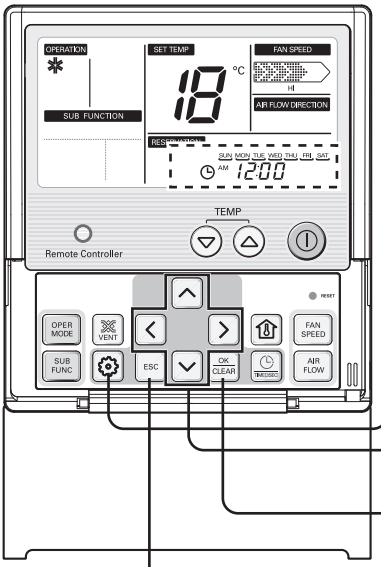
AM 12:00



6 Setting Hour value by pressing [^] [v] button.

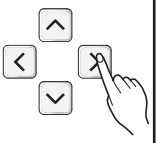
AM 10:00





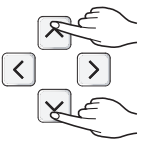
7 Press [>] button to move to 'Minute' setting mode. (the 'Minute' segment will flash)

AM 10:00



8 Setting Minute value by pressing [^] [v] button.

AM 10:20



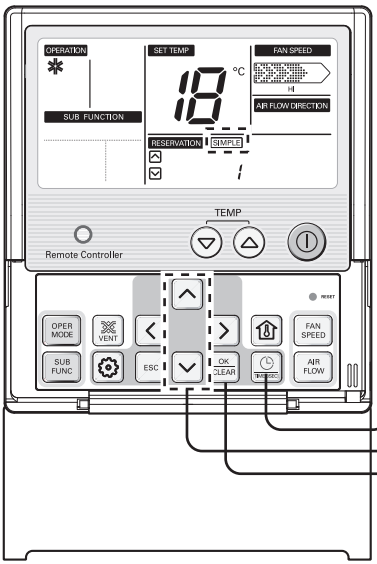
9 Press [OK CLEAR] button to finish.

AM 10:20

10 In the process, press [ESC] button to release and exit from setting mode.
(In case of exit with incomplete information, it will return to the previous setting)

Programming : Setting Simple Reservation

In case of there is not any reservation setup on system, it is possible to make a SIMPLE reservation on indoor unit.

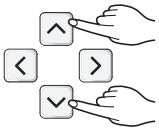


1 Press TIMER/SEC button to enter the Programming mode.
(the SIMPLE segment flashing)

Ex) Setting Simple Reservation time as '3'.

2 Press ^ v button to adjust reservation time.

1 → 3



3 Press OK CLEAR button to finish setting.

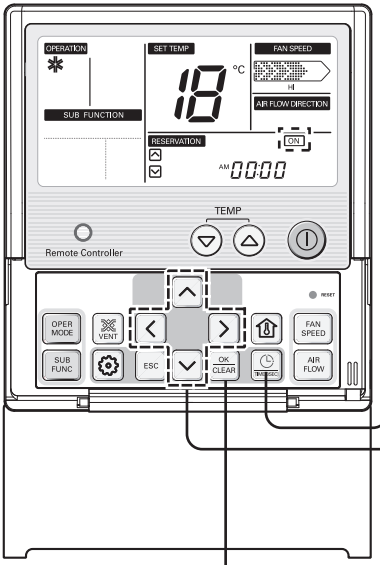
3

4 Adjusting the reservation time after finish reservation setting will release the previous one.

※ If the indoor is ON, we can make the reservation for turning OFF. In reserve, if the indoor is OFF, we can set the timer for turning ON. The reservation time is from 1 to 7 hours.

Programming : Setting ON Reservation

This function is able to turn air conditioner ON after a setting time.



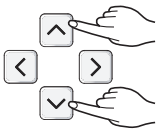
1 Press TIMESSEC button.

Ex) Setting ON Reservation Time as 'AM 10:20'.

2 Repeat pressing TIMESSEC button to enter the ON reservation setting mode.
(ON segment flashing)

3 Press ^ v button to adjust AM/ PM setting.

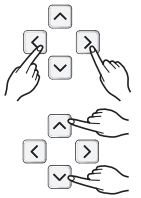
AM 12:00



4 Press < > button to Hour setting mode. When the Hour icon flash, please setting time.
The setting range is within 1~12.

AM 12:00

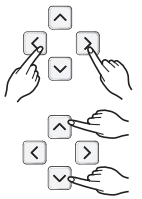
AM 10:00



5 Press < > button to shift to Minute setting mode. When the Minute icon flash, please setting minute the setting range is within 00~59.

AM 10:00

AM 10:20

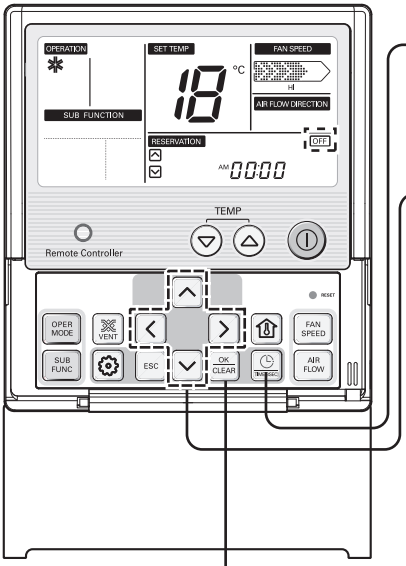


6 Press OK CLEAR button to finish setting.

AM 10:20

Programming : Setting OFF Reservation

This function is able to turn air conditioner OFF after a setting time.



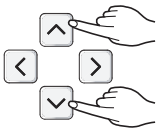
1 Press [TIMER SET] button.

Ex) Setting OFF Reservation
Time as 'AM 10:20'.

2 Repeat pressing [TIMER SET] button to enter the OFF reservation setting mode.
([OFF] segment flashing)

3 Press [∧] [∨] button to adjust AM/ PM setting.

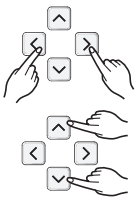
AM 12:00



4 Press [<] [>] button to shift to Hour setting mode. When the Hour icon flash, please setting time.
The setting range is within 1~12.

AM 12:00

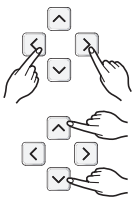
AM 10:00



5 Press [<] [>] button to shift to Minute setting mode. When the Minute icon flash, please setting minute the setting range is within 00~59.

AM 10:00

AM 10:20



6 Press [OK CLEAR] button to finish setting.

AM 10:20

Programming : Weekly Reservation

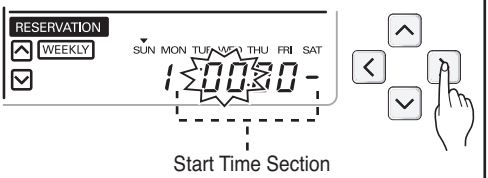
The weekly reservation is active after setting current time

1 Pulse el botón de programación para entrar en el modo [Programming] (Programación).
Pulse el botón repetidamente para seleccionar [Weekly reservation] (Reserva semanal).
(El segmento comenzará a parpadear)
Ej) Configure una acción como se detalla a continuación.
- [Day] (Día): [TUE] (MAR)
- [ON Time] (Tiempo activado) : 11:30 AM
- [OFF Time] (Tiempo desactivado) : 12:30 PM

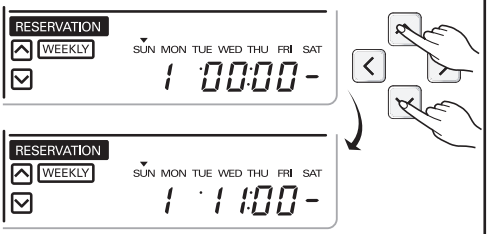
2 Pulse el botón derecha o izquierda para ajustar el día actual.

3 Pulse arriba o abajo para ajustar el número de acción.

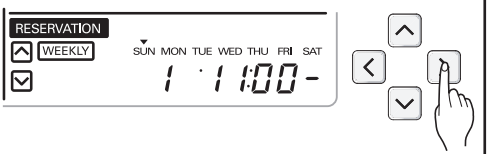
4 Pulse el botón derecha para desplazarse hasta [Hour] (Hora) en la sección [ON Time] (Tiempo activado).
(El segmento [tour] (Hora) comenzará a parpadear)



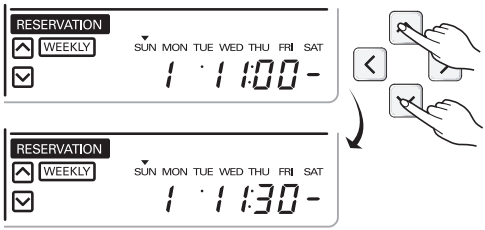
5 Pulse el botón arriba o abajo para ajustar el valor de [Hour] (Hora) en la sección [Start Time] (Hora de inicio).



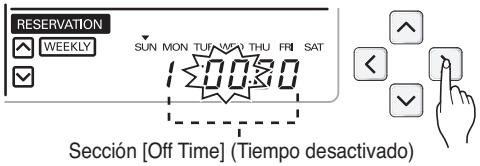
6 Pulse el botón derecha para desplazarse hasta [Minute] (Minuto) en la sección [Start Time] (Hora de inicio).
(El segmento [Minute] (Minuto) comenzará a parpadear)



7 Pulse el botón arriba o abajo para ajustar el valor de [Minute] (Minuto) en la sección [Start Time] (Hora de inicio).

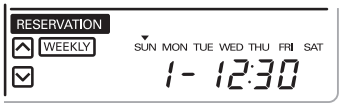


8 Pulse el botón derecha para desplazarse hasta [Hour] (Hora) en la sección [OFF Time] (Tiempo desactivado).
(El segmento [tour] (Hora) comenzará a parpadear)

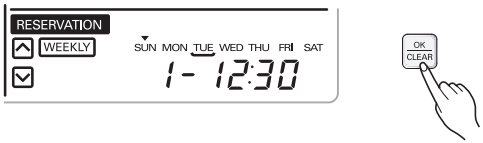


Sección [Off Time] (Tiempo desactivado)

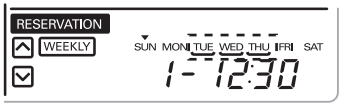
9 Para configurar el Tiempo desactivado consulte el proceso desde el N5 al N7. Es el mismo método.



10 Si completa la configuración, pulse el botón [Setting/Cancel] (Config./Cancelar) para completar la programación.
Al terminar, se creará el segmento bajo la barra.



11 Consulte el proceso desde el Nº2 al Nº10 para configurar un programa para un día diferente.
Es el mismo método.

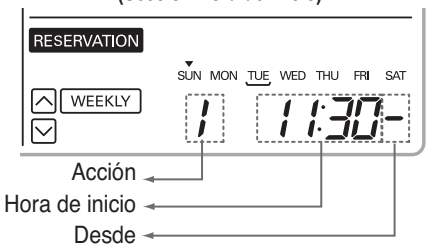


12 Pulse el botón [Exit] (Salir) para salir o el sistema saldrá automáticamente tras 25 segundos desde la última entrada.

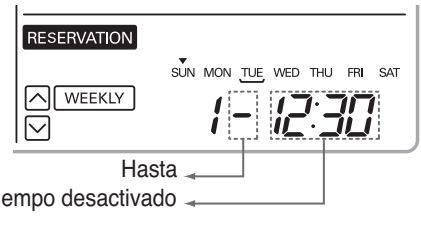
<Nota>

Descripción de la reserva semanal

(Sección Hora de inicio)



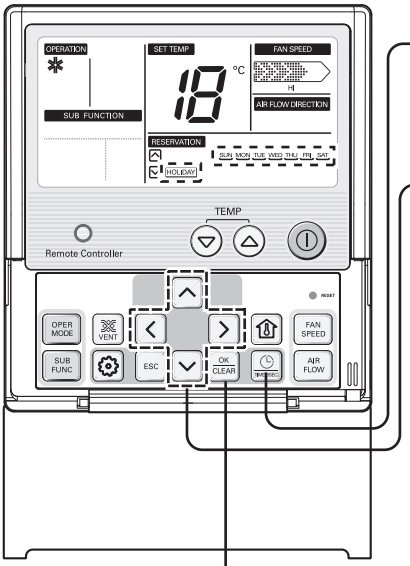
(Sección de Tiempo desactivado)



✻ Se pueden programar dos acciones por día de la semana, un total de 14 acciones

Programming : Holiday Reservation

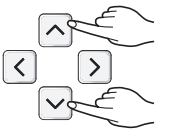
This function is to automatically stop the machine working on some days.



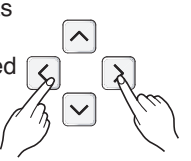
1 Press TIME/DISPLAY button to enter the reservation setting mode.

2 Repeat pressing TIME/DISPLAY button to enter the holiday reservation setting mode.
(HOLIDAY segment flashing)

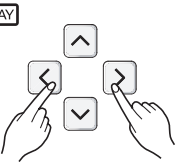
3 Press < > button to move to holiday position.



4 Press ^ v button to set or release a selected day as holiday or not.
(✻ the holiday is indicated with a underline)



5 If there is any holiday from Monday to Sunday, HOLIDAY segment on LCD will be displayed.

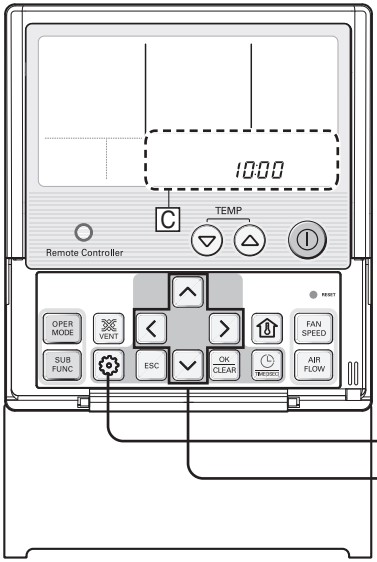


6 Press the OK CLEAR button to exit or if there is not any input, system will release any setting after 10 seconds.

7 It is possible to set the air conditioner OFF in every "holiday"
(ex. 9:00, 10:00, 13:00)

Setting function of wired remote controller installation

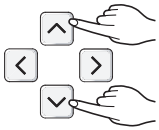
How to start installation setting mode



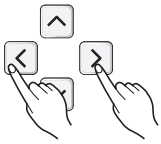
1 Press the Function Setting button for more than 3 seconds and the Code will be displayed on Display 'C' to enter the installation mode.

2 When you now press the Function Setting button, the function code will change.

3 Press the Up/Down button to change the setting.



4 Press the Left/Right button to navigate through the items.



5 Press the Set/Cancel button to complete the setting.

Setting function by code

Code 10: Test run (AHU has no function)

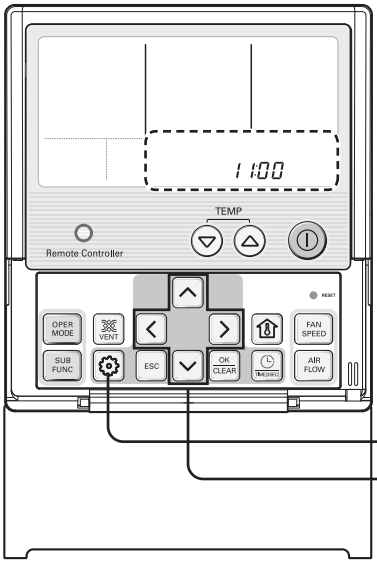
Code 11: Central control address setting

Code 12: Damper opening setting

Code 13: Remote controller Master/Slave setting

Display C: Installation setting display

Central control address setting

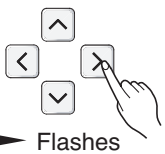


1 Enter the Installation Setting mode.

2 Press the Function Setting button repeatedly to reach function code of '11'.

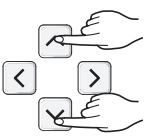
→ Flashes

3 Press the Right button to move to 'Setting of 1'.



→ Flashes

4 Press the Up/Down button to set the central control address.

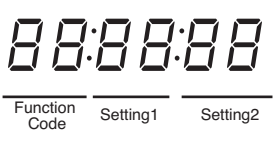


→ Central control address

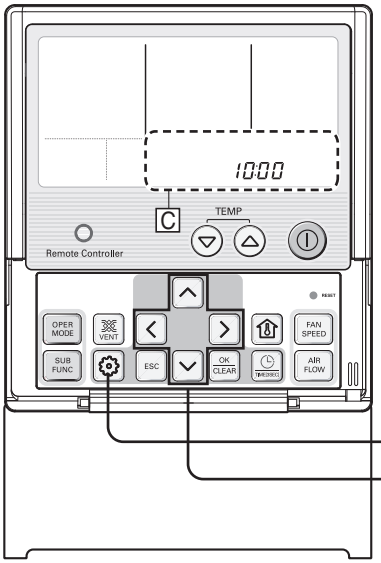
5 Press the Set/Cancel button to complete the central control address setting.

* This is the function to set the central control address of AHU.

Display C: Installation setting display



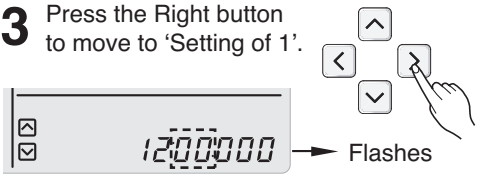
Damper opening setting



1 Enter the Installation Setting mode.

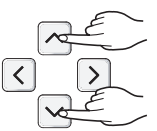
2 Repeatedly press the Function Setting button to reach function code of '12'.

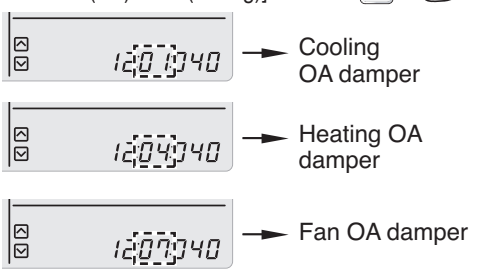
3 Press the Right button to move to 'Setting of 1'.



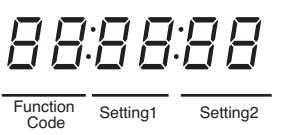
4 Press the Up/Down button to set the value.
'Setting of 1' for each mode is as follows.

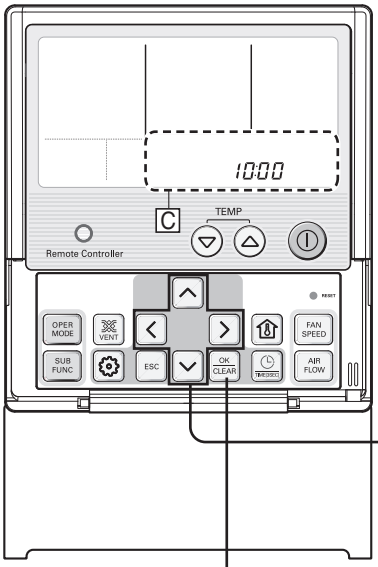
* Cooling mode ['01' (OA) /'02' (EA) / '03' (Mixing)]
* Heating mode ['04' (OA) / '05' (EA) / '06' (Mixing)]
* Fan mode ['07' (OA) / '08' (EA) / '09' (Mixing)]





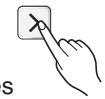
Display C: Installation setting display



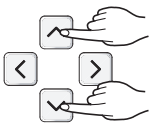


5 Press the Right button to move to 'Setting of 2' by each mode.

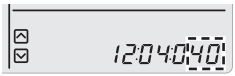
→ Flashes



6 Press the Up/Down button to select the damper opening.
The damper opening that can be set is in the range of 1~91 degrees.



→ Cooling external damper opening of 40



→ Heating external damper opening of 40

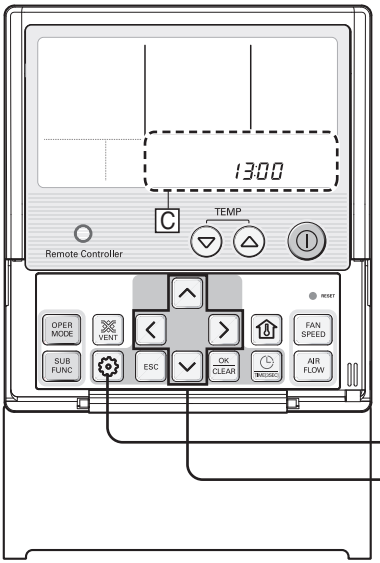
→ Fan external damper opening of 40

7 Press the OK/CLEAR button to complete the setting.

* This is the function to set the damper opening of AHU.
* This applies only to the site where the damper actuator is installed.

Display C: Installation setting display

Remote control Master/Slave setting

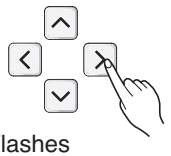


1 Enter the Installation Setting mode.

2 Press the Function Setting button repeatedly to reach function code of '13'.

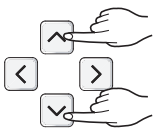
→ Flashes

3 Press the Right button to move to 'Setting of 1'.



→ Flashes

4 Press the Up/Down button to set the value. Setting value of '01' is the Master and '00' is the Slave.



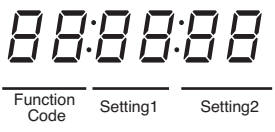
→ Master

→ Slave

5 Press the OK/CLEAR button to complete the setting.

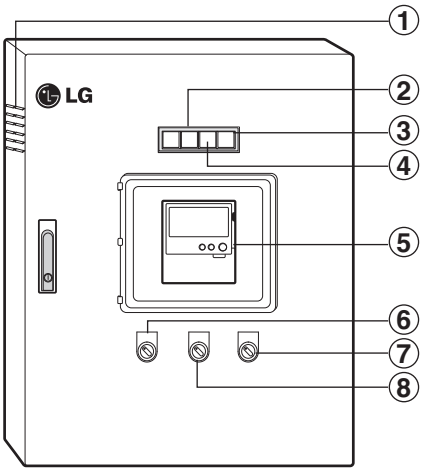
* This is the function to set the mainly used remote controller.
* You can set one remote controller as the Master and the rest as Slave.

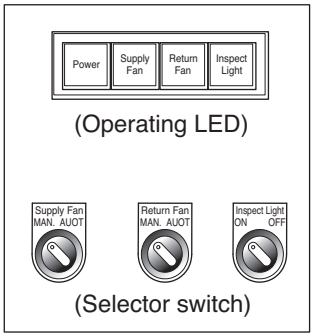
Display C: Installation setting display



Manual operating mode

SA fan operation





① Vents (Left, Light)
② SA fan operating LED
③ Inspect Light LED
④ RA fan operating LED
⑤ Wired remote controller
⑥ SA fan switch
⑦ Inspect Light switch
⑧ RA fan switch

1 When you set the SA Fan Switch to ON, the SA fan will operate manually.

2 SA fan operating LED will be turned on.

3 When you set the SA Fan Switch to OFF, the SA fan will stop operating and can be operated automatically with the wired remote controller.

* The SA switch of the control kit during AHU operation with the wired remote controller must be maintained at OFF condition.

RA fan operation

1 When you set the RA Fan Switch to ON, the RA fan will operate manually.

2 RA fan operating LED will be turned on.

3 When you set the RA Fan Switch to OFF, the RA fan will stop operating and can be operated automatically with the wired remote controller.

* The RA switch of the control kit during AHU operation with the wired remote controller must be maintained at OFF condition.

Inspect light operation

1 When you set the Inspect Light switch to ON, the Inspect Light will lights up

2 Inspect Light LED will be turned on.

3 When you set the Inspect Light switch to OFF, the Inspect Light will stop operating and can be operated automatically with the wired remote controller.

* The Inspect Light switch of the control kit during AHU operation with the wired remote controller must be maintained at OFF condition.

Check before requesting for service

When there is a problem with the product, check the following detail before requesting for service to the service center.

Symptom	Check	Action
The product does not work at all.	* Is the main switch turned off?	* Turn on the main power switch.
	* Is there a power outage?	* Check the other electric appliances. (If the power works, try operating the product again.)
	* The fuse inside the product can be disconnected.	* Request for service to the installation service provider or the service center.
The cool air does not flow continuously.	* Is the desired temperature set higher than the indoor temperature?	* Set the desired temperature to be lower than the indoor temperature.
	* Is the product running in Dehumidifier/Power save mode?	* Change the operating mode to air conditioning.
I cannot set the scheduled operation.	* Is the schedule properly set?	* Refer to the manual and try setting up the schedule again.
	* Did you check the current time?	* If the current time is incorrect, try setting again.
AHU automatically goes off.	* Is the OFF schedule set?	* Check the remote controller and cancel the OFF schedule.

Test run

Self diagnosis function

Error display

- This function displays the self diagnosis and the type of error if identified.
- For the error display, the applicable code is displayed on the 7 segment LED on the wired remote controller and AHU controller.
- If there are 2 or more errors simultaneously, the codes are displayed in the order of occurrence.
- Once you resolve the error, the error code will disappear.

Error display method

- The first display on the 7 segment display refers to the error code and the second part refers to the location information of the communication PCB address or sensor location. Refer to the following for details.

Error type	Display condition	Example of output	Detail description
Basic error	CH [Error code] 0	CH30	Error #3
Communication PCB error	CH [Error code] [Address]	CH204	Error #2 in communication PCB with address of '#4'
Sensor error	CH [Error code] [Location]	CH1302	Air supply temperature sensor error
Outdoor unit error	CH [Error code] [Address]	CH17304	Error #173 on the outdoor unit connected to communication PCB with address of '#4'

* The address the communication PCB refers to the rotary switch number on the communication PCB.

Location number	Location name	Applicable sensor type
01	RA	Temperature sensor, humidity sensor
02	SA	Temperature sensor, humidity sensor
03	OA	Temperature sensor, humidity sensor
04	Mixing	Temperature sensor
05	Differential pressure	Differential pressure sensor
06	Static pressure	Static pressure sensor

* The above table shows the information of the attached location by sensor.

Error display (AHU)

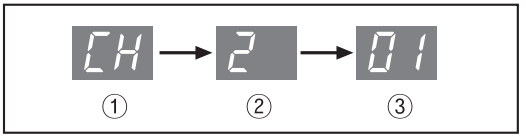
■ '##' refers to the address information of the communication PCB.

Display number			Error item	Cause of error	Cause or error
CH	2	##	Temperature sensor error at pipe inlet of indoor unit	Communication PCB rotary switch number ##	Temperature sensor disconnection or short circuit at pipe inlet of indoor unit
CH	3	00	Communication error between wired remote controller and AHU controller	-	No communication signal for more than 3 minutes from wired remote controller to the AHU controller
CH	4	##	Communication error between AHU controller and communication PCB	Communication PCB rotary switch number ##	No communication signal for more than 3 minutes from communication PCB to AHU controller
CH	5	##	Communication error between communication PCB and outdoor unit	Communication PCB rotary switch number ##	No communication signal for 5 minutes continuously from communication PCB to outdoor unit
CH	6	##	Temperature sensor error on pipe outlet of indoor unit	Communication PCB rotary switch number ##	Temperature sensor disconnection or short circuit on pipe outlet of indoor unit
CH	8	00	Emergency operation	-	The operating status of the smoke control mode through smoke detector is displayed
CH	13	01	Temperature sensor error	RA	Temperature sensor (RA/SA/Mixing) disconnection/short circuit/misconnection or when the sensor value is in the error range
		02		SA	
		04		Mixing	
CH	14	01	Humidity sensor error	RA	Humidity sensor (RA/SA/OA) disconnection/short circuit/misconnection or when the sensor value is in the error range
		02		SA	
		03		OA	
CH	15	00	CO_2 sensor error	-	CO_2 sensor disconnection/short circuit/misconnection or when the sensor value is in the error range
CH	16	05	Pressure sensor error	Differential pressure	Pressure sensor (Differential pressure, static pressure) disconnection/short circuit/misconnection or when the sensor value is in the error range
		06		Static pressure	
CH	17	01	Air flow sensor error	RA	Air flow sensor (RA, SA) disconnection/short circuit/misconnection or when the sensor value is in the error range
		02		SA	

Example of error

Situation	Error
Pipe inlet temperature sensor error (Communication PCB rotary switch number: 01)	CH → 2 → 01
Communication error between communication PCB and outdoor unit (Communication PCB rotary switch number: 05)	CH → 5 → 05
SA duct temperature error	CH → 13→ 02
RA duct humidity error	CH → 14→ 01

Sequence of error



* The occurrence of error is displays in the order of ①→ ② → ③ on 7 segment.
* Refer to page 43 for details of ② and ③.

Refer to the MULTI V technical material for details on error code and checkpoints of the outdoor unit.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