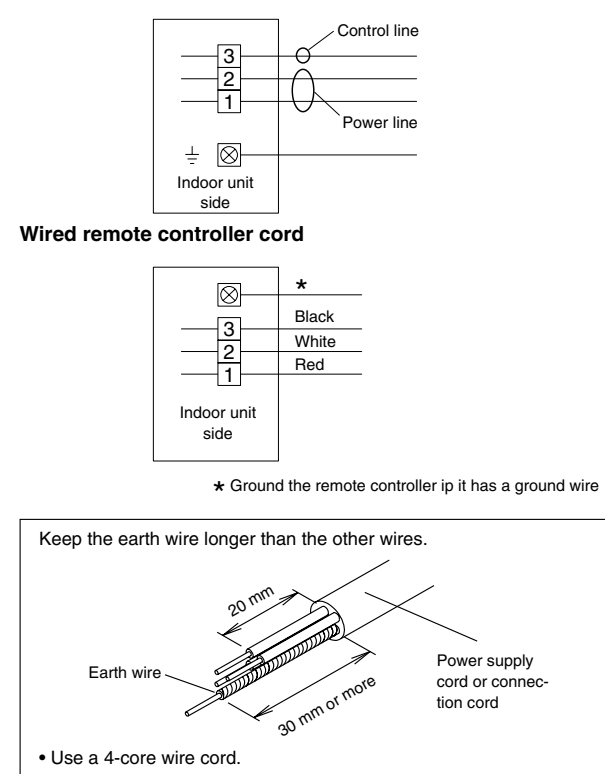


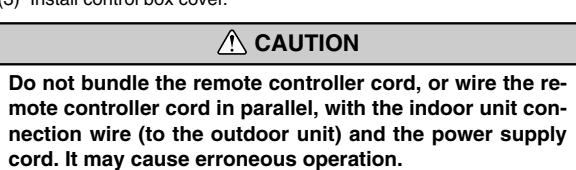
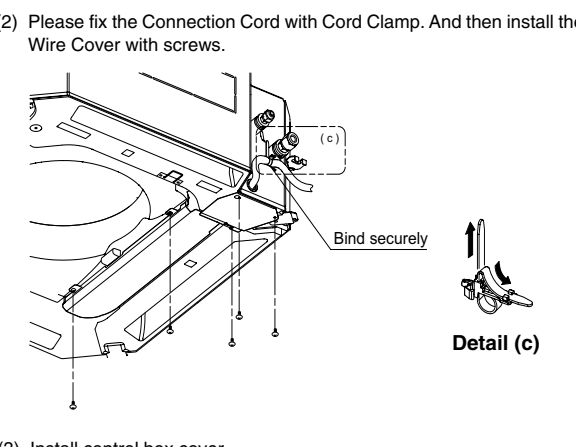
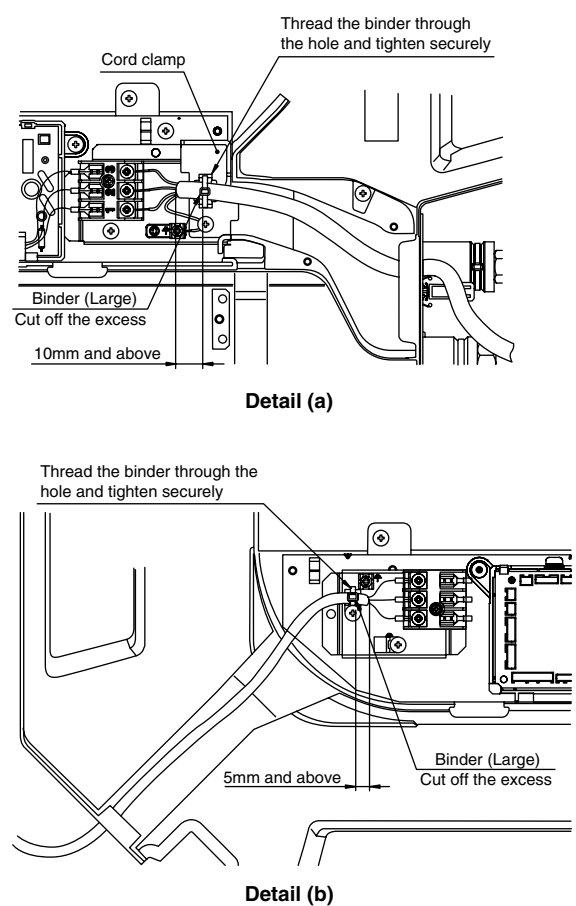
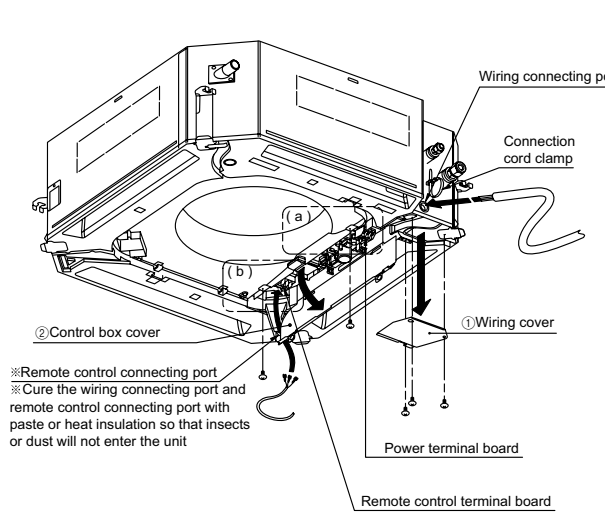
1. CONNECTION DIAGRAMS

Connection cord (to outdoor unit)



2. CONNECTION OF WIRING

- Remove the control box cover and install each connection wire. Please firmly tighten Connection Cord and Remote Control Cord with the attached binder.



6. DECORATION PANEL INSTALLATION

- Operate according to the Installation instruction sheet DECORATION PANEL.
- Be sure to confirm there is no gap between the panel and main unit after installing the DECORATION PANEL.

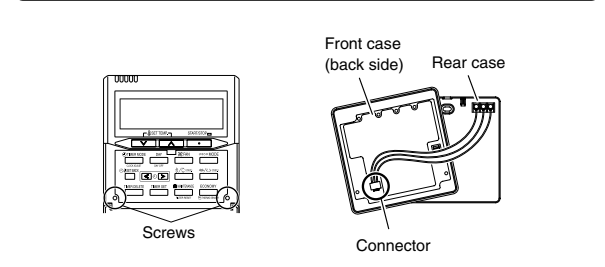
7. REMOTE CONTROLLER SETTING

- CAUTION**
- In order to detect the room temperature correctly when using the temperature sensor of the remote controller, do not install the remote controller in a place where it will be exposed to direct sunlight or directly below the air outlet of the indoor unit.
 - Do not touch the remote controller PC board and PC board parts directly with your hands.
 - Do not wire the remote controller cord and the bus wire together with or parallel to the connection cables, transmission cords, and power supply cords of the indoor and outdoor units. It may cause erroneous operation.
 - When installing the bus wire near a source of electromagnetic waves, use shielded wire.
 - Do not set the DIP switches, either on the air conditioner or the remote controller, in any way other than indicated in this sheet or the manual that is supplied with the air conditioner. Doing so may result in an accident.

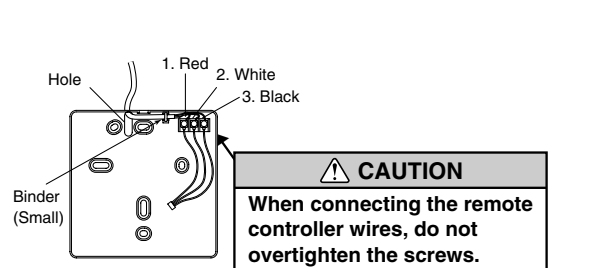
1. INSTALLING THE REMOTE CONTROLLER

Open the operation panel on the front of the remote controller, remove the two screws indicated in the following figure, and then remove the front case of the remote controller.

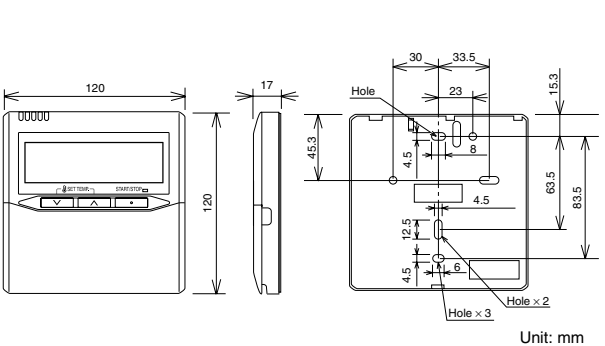
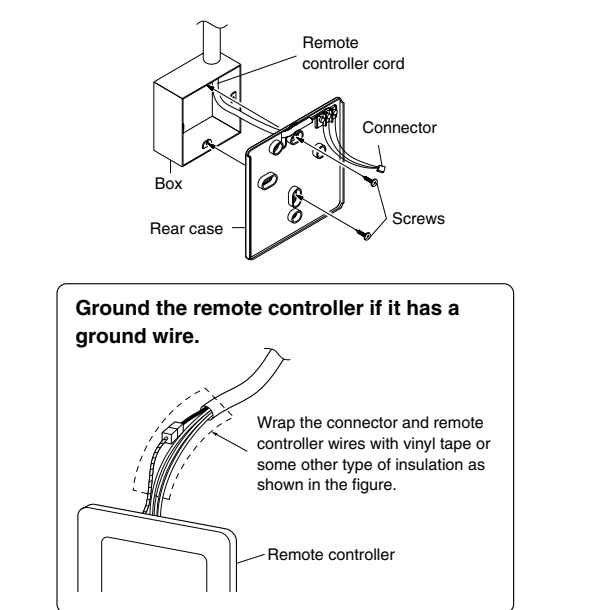
When installing the remote controller, remove the connector from the front case. The wires may break if the connector is not removed and the front case hangs down. When installing the front case, connect the connector to the front case.



- Embed the remote controller cord and box.
- Pass the remote controller cord through the hole in the rear case and connect the remote controller cord to the remote controller terminal board specified in figure.
- Clamp the remote controller cord sheath with the binder as shown in figure.
- Cut off the excess binder.
- Install the rear case to the wall, box, etc., with two screws figure.



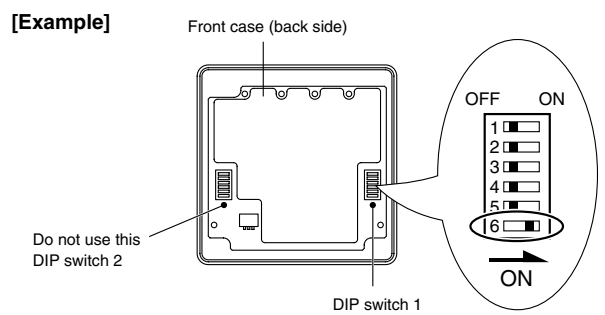
[Example]



- CAUTION**
- Install the remote controller wires so as not to be direct touched with your hand.
 - Do not touch the remote controller PC board and PC board parts directly with your hands.

2. SETTING THE DIP SWITCHES

Set the remote controller DIP switches.



NOTES

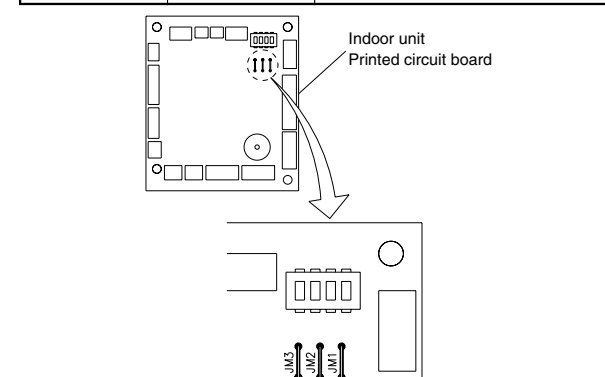
If the function to change the temperature sensor is used as shown in examples A (other than example B), be sure to lock the detection location. If the function is locked, the lock display **LOCK** will flash when the THERMO SENSOR button is pressed.

[When using the wireless remote controller] (Option)

SWITCHING REMOTE CONTROL UNIT SIGNAL CODES

- Confirm the setting of the remote control unit signal code and the printed circuit board setting.
- If these are not confirmed, the remote control unit cannot be used to operate for the air conditioner.

Jumper wire		Remote control unit signal code
JM1	JM2	
Connect	Connect	A (Primary setting)
Disconnect	Connect	B
Connect	Disconnect	C
Disconnect	Disconnect	D



3. TEST RUN CHECK ITEMS

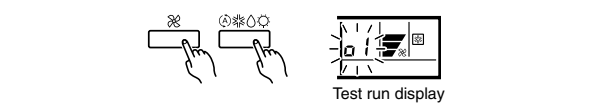
- Is operation of each button on the remote control unit normal?
- Does each lamp light normally?
- Do not air flow direction louvers operate normally?
- Is the drain normal?
- Is there any abnormal noise and vibration during operation?

- Do not operate the air conditioner in the running state for a long time.

[OPERATION METHOD]

- For the operation method, refer to the operating manual.

- Stop the air conditioner operation.
- Press the master control button and the fan control button simultaneously for 2 seconds or more to start the test run.



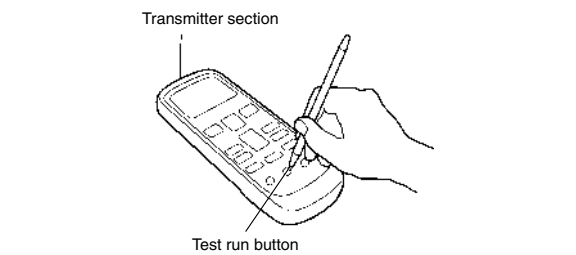
- Press the start/stop button to stop the test run.

If "CO" appears in the unit number display, there is a remote controller error. Refer to the installation instruction sheet included with the remote controller.

Unit number	Error code	Content
C0	1d	Incompatible indoor unit is connected
C0	1c	Indoor unit ↔ remote controller communication error

[Using the wireless remote control] (Option)

- For the operation method, refer to the operating manual.
- The outdoor unit may not operate depending on the room temperature. In this case, press the test run button on the remote control unit while the air conditioner is running. (Point the transmitter side of the remote control unit toward the air conditioner and press the test run button with the tip of a ball-point pen, etc.)



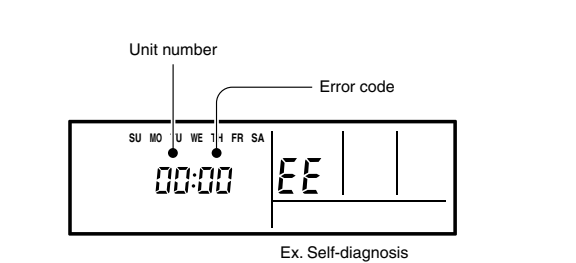
- To end test operation, press the remote control unit START/STOP button. (When the air conditioner is run by pressing the test run button, the OPERATION indicator lamp and TIMER indicator lamp will simultaneously flash slowly.)

[Troubleshooting at the remote control LCD]

This is possible only on the wired remote control.

[SELF-DIAGNOSIS]

If an error occurs, the following display will be shown. ("EE" will appear in the set room temperature display.)

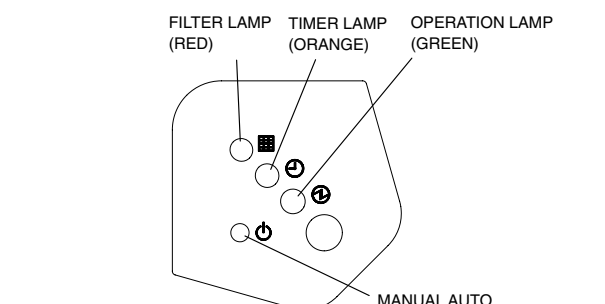


Error code	Error contents
01	Indoor signal error
13	Indoor signal error
26	Indoor room temperature sensor error
27	Wired remote controller abnormal
02	Indoor room temperature sensor error
04	Indoor heat exchanger temperature sensor (middle) error
28	Indoor heat exchanger temperature sensor (inlet) error
09	Flood switch operated
0C	Outdoor heat exchanger temperature sensor error
06	Outdoor heat exchanger temperature sensor (outlet) error
0A	Outdoor temperature sensor error
15	Compressor temperature sensor error
1d	2-way valve temperature sensor error
1E	3-way valve temperature sensor error
29	Outdoor heat exchanger temperature sensor (middle) error
20	Indoor manual auto switch abnormal
2A	Power supply frequency detection error
17	IPM protection
18	CT error
1A	Compressor location error
1b	Outdoor fan error
1F	Connected indoor unit abnormal
12	Outdoor unit computer communication error
1c	Indoor fan abnormal
0F	Discharge temperature error
24	Excessive high pressure protection on cooling
2c	4-way valve abnormal
16	Pressure switch abnormal
2b	Compressor temperature error
19	Active filter abnormal
25	PFC circuit error

TROUBLESHOOTING (Option)

[Troubleshooting with the indoor display]

Troubleshooting at the display is possible either on the wired or wireless remote control.



The OPERATION, TIMER and FILTER lamp operate as follows table according to the error contents.

NO.	SW state	Detail
1	★ OFF ON	Cannot be used. (Do not change)
2	★	Dual remote controller setting * Refer to 2. DUAL REMOTE CONTROLLERS in SPECIAL INSTALLATION METHODS.
3	DIP switch 1	Follow the selection in FUNCTION SETTING Invalidity Filter reset operation and filter display
4	★	Cannot be used. (Do not change)
5	★	Cannot be used. (Do not change)
6	★ Invalidity Validity	Memory backup setting * Set to ON to use batteries for the memory backup. If batteries are not used, all of the settings stored in memory will be deleted if there is a power failure.

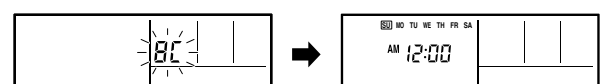
(★ Factory setting)

8. FUNCTION SETTING AND TEST RUN

- CAUTION**
- Confirm whether the wiring work for outdoor unit has been finished.
 - Confirm whether the cap for electric control box on the outdoor unit is close.

1. TURNING ON THE POWER

- Check the remote controller wiring and DIP switch settings.
- Install the front case.
- When installing the front case, connect the connector to the front case.
- Check the indoor and outdoor unit wiring and circuit board switch settings, and then turn on the indoor and outdoor units. After **OC** has flashed on the set temperature display for several seconds, the clock display will appear in the center of the remote controller display. The clock display will appear in the center of the remote controller display.

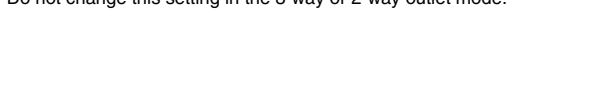
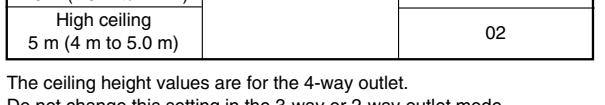
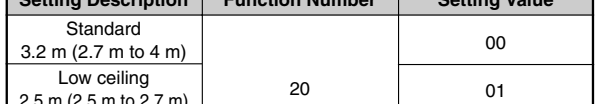
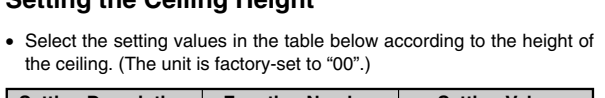
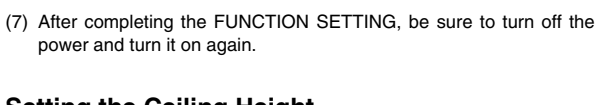
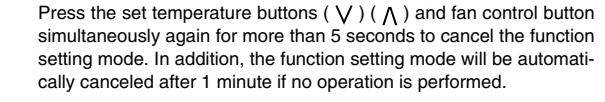
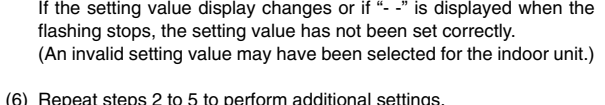
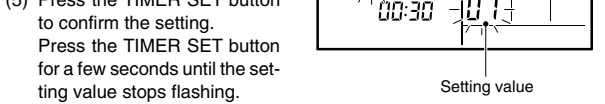
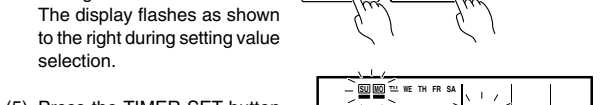
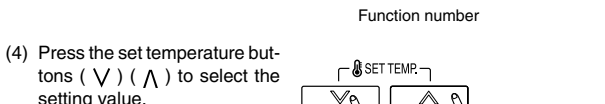
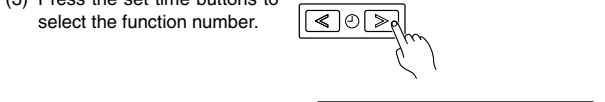
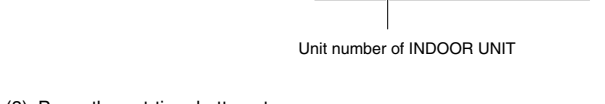
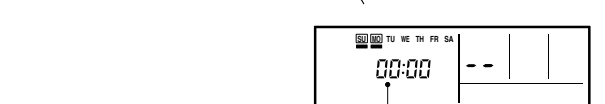
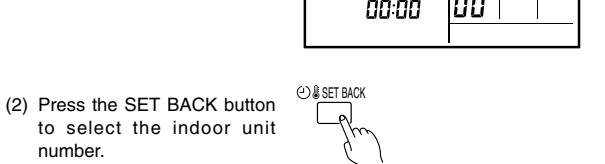


2. FUNCTION SETTING

- This procedure changes to the function settings used to control the indoor unit according to the installation conditions. Incorrect settings can cause the indoor unit malfunction.
- After the power is turned on, perform the "FUNCTION SETTING" according to the installation conditions using the remote controller.
- The settings may be selected between the following two: Function Number or Setting Value.
- Settings will not be changed if invalid numbers or setting values are selected.

Operation Method

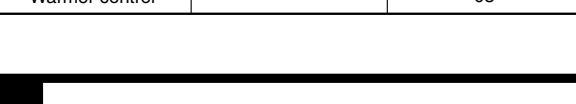
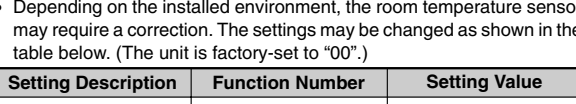
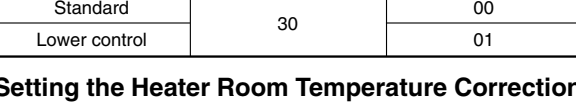
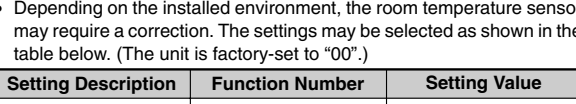
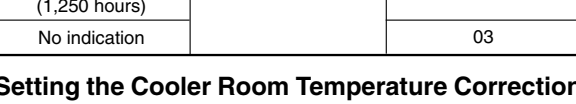
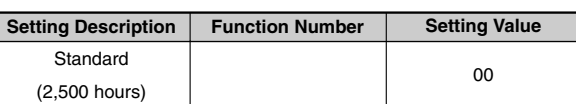
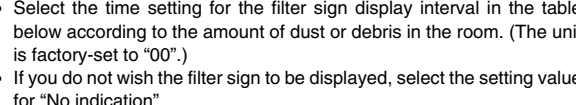
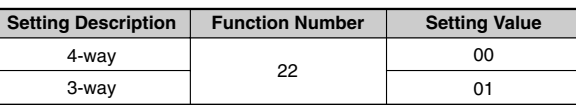
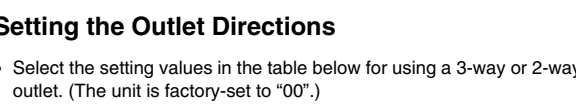
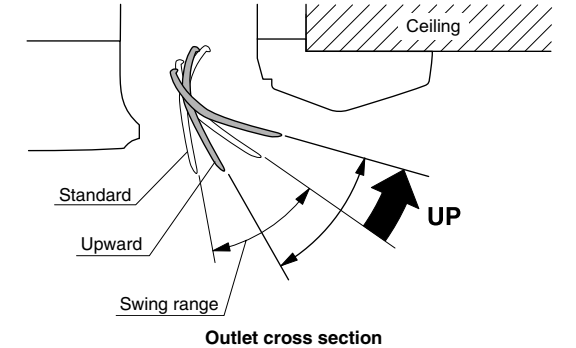
- Press the set temperature buttons (V) (Λ) and fan control button simultaneously for more than 5 seconds to enter the function setting mode.



- Set the vertical direction adjusting scope.

Setting Description	Function Number	Setting Value
Standard		00
Upward	23	01

- To prevent from draft, we recommend using "upward mode".
- In certain condition, the ceiling may become dirty. In such case, we recommend using the optional "PANEL SPACER KIT".



Setting Other Functions

- The following settings are also possible, depending on the operating conditions. (The unit is factory-set to "00".)

Setting Description	Function Number	Setting Value
Yes	40	00
No		01

Indoor Room Temperature Sensor Switching Function (Wired remote controller only)

Setting Description	Function Number	Setting Value
No	42	00
Yes		01

- If setting value is "00", room temperature is controlled by the indoor unit temperature sensor.
- If setting value is "01", room temperature is controlled by either indoor unit temperature sensor or remote control unit sensor.

Setting record

- Record any changes to the settings in the following table.

Setting	Setting Value
Ceiling height	
Outlet directions	
Filter sign	
Cooler room temperature correction	
Heater room temperature correction	
Auto restart	
Indoor room temperature sensor switching function	

After completing the FUNCTION SETTING, be sure to turn off the power and turn it on again.

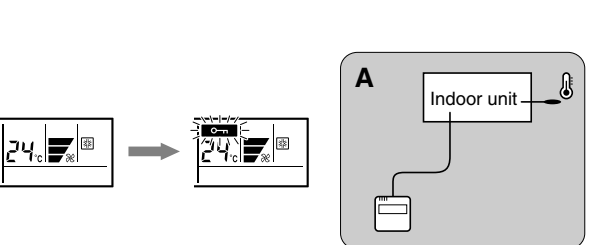
SETTING THE ROOM TEMPERATURE DETECTION LOCATION

The detection location of the room temperature can be selected from the following two examples. Choose the detection location that is best for the installation location.

A. Indoor unit setting (factory setting)

The room temperature is detected by the indoor unit temperature sensor.

- When the THERMO SENSOR button is pressed, the lock display flashes because the function is locked at the factory.



B. Indoor unit/remote controller setting (room temperature sensor selection)

The temperature sensor of the indoor unit or the remote controller can be used to detect the room temperature.

- Enable the room temperature sensor selection in FUNCTION SETTING, which will be described later.
- Press the THERMO SENSOR button for 5 seconds or more to select the temperature sensor of the indoor unit or the remote controller.

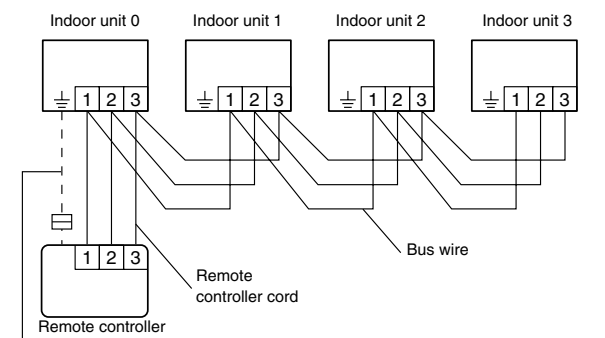
9. SPECIAL INSTALLATION METHODS

- CAUTION**
- When setting DIP switches, do not touch any other parts on the circuit board directly with your bare hands.
 - Be sure to turn off the main power.

1. GROUP CONTROL SYSTEM

A number of indoor units can be operated at the same time using a single remote controller.

- Wiring method (indoor unit to remote controller)

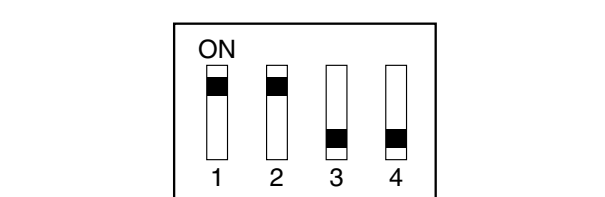


When ground wire is necessary

- DIP switch setting (indoor unit)
Set the unit number of each indoor unit using DIP switch on the indoor unit circuit board. (see following table and figure.)
DIP switch is normally set to make unit number No. 0.

Unit number	DIP SWITCH No.			
	1	2	3	4
0	OFF	OFF	OFF	OFF
1	ON	OFF	OFF	OFF
2	OFF	ON	OFF	OFF
3	ON	ON	OFF	OFF
4	OFF	OFF	ON	OFF
5	ON	OFF	ON	OFF
6	OFF	ON	ON	OFF
7	ON	ON	ON	OFF
8	OFF	OFF	OFF	ON
9	ON	OFF	OFF	ON
10	OFF	ON	OFF	ON
11	ON	ON	OFF	ON
12	OFF	OFF	ON	ON
13	ON	OFF	ON	ON
14	OFF	ON	ON	ON
15	ON	ON	ON	ON

Example : No. 3



10. CUSTOMER GUIDANCE

Explain the following to the customer in accordance with the operating manual:

- Starting and stopping method, operation switching, temperature adjustment, timer, air flow switching, and other remote control unit operations.
- Air filter removal and cleaning, and how to use the air louvers.
- Give the operating and installation manuals to the customer.
- If the signal code is changed, explain to the customer how it changed (the system returns to signal code A when the batteries in the remote control unit are replaced).

* (4) is applicable to using wireless remote control.