10. Function settings

To adjust the functions of this product according to the installation environment, various types of function settings are available.

NOTE: Incorrect settings can cause a product malfunction.

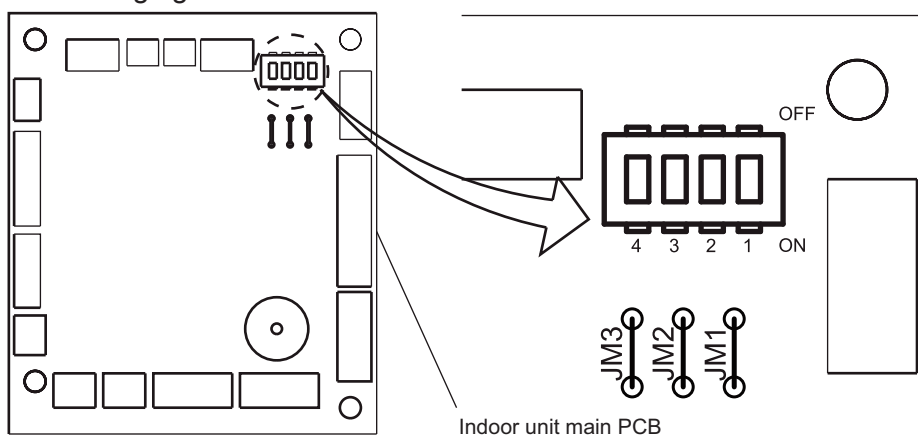## 10-1. Function settings on indoor unit

■ Model: ARYG24LMLA

By using some components on the PC board, you can change the function settings.

Related components on the PC board and the applicable settings

Component		Setting content
DIP switch	1	Remote controller address setting
	2	
	3	
	4	
Jumper wire	JM1	Setting change prohibited
	JM2	Setting change prohibited
	JM3	Fan delay setting

● Component location

Components on the indoor unit main PC board used for the function settings are located as shown in the following figure.
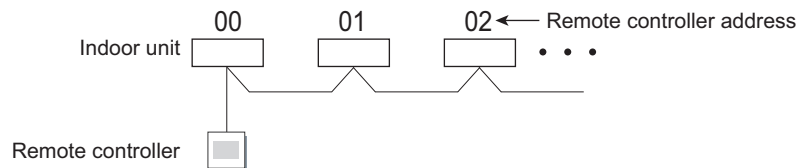

Indoor unit main PCB

● DIP switch setting

- **Remote controller address setting**
  When operating a number of indoor units by using a wired remote controller, DIP switch setting for assigning unit number to each indoor unit is required.
  DIP switches are normally set to make the unit number 00.

Remote controller address	DIP switch number				Factory setting
	1	2	3	4	
00	OFF	OFF	OFF	OFF	♦
01	ON	OFF	OFF	OFF	
02	OFF	ON	OFF	OFF	
03	ON	ON	OFF	OFF	
04	OFF	OFF	ON	OFF	
05	ON	OFF	ON	OFF	
06	OFF	ON	ON	OFF	
07	ON	ON	ON	OFF	
08	OFF	OFF	OFF	ON	
09	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	

● Jumper wire setting

- **JM1: Setting change prohibited**
- **JM2: Setting change prohibited**
- **JM3: Fan delay setting**
  When the indoor unit is stopped while operating in conjunction with auxiliary heater, the indoor unit fan operation will continue for one minute.

JM3	Fan delay	Factory setting
Connect	Disabled	♦
Disconnect	Enabled	

10-2. Function settings by using remote controller

Some function settings can be changed on the remote controller. After confirming the setting procedure and the content of each function setting, select appropriate functions for your installation environment.

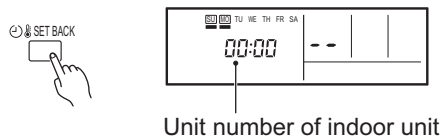## ■ Setting procedure by using wired remote controller

The function number and the associated setting value are displayed on the LCD of the remote controller. Follow the instructions written in the local setup procedure supplied with the remote controller, and select appropriate setting according to the installation environment.

Before turning on the power of the indoor unit, reconfirm following items:

- Piping air tight test and vacuuming have been performed firmly.
- There is no wiring mistake.

1. Turn on the power.
2. Press the SET TEMP. buttons (∨) (∧) and FAN button simultaneously for more than 5 seconds to enter the function setting mode.
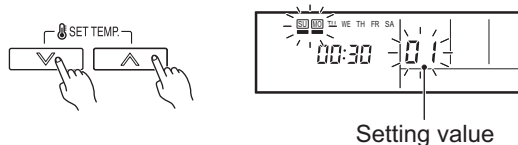
3. Press the SET BACK button to select the indoor unit number when you set the remote controller address setting.

Unit number of indoor unit

4. Press the set time buttons to select the function number.

Function number

5. Press the SET TEMP. buttons (∨) (∧) to select the setting value. The display flashes during setting value selection.

Setting value

6. Press the TIMER SET button to confirm the setting. Press the TIMER SET button for a few seconds until the setting value stops flashing. If the setting value display changes or if "- -" is displayed when the flashing stops, the setting value has not been set correctly. (An invalid setting value may have been selected for the indoor unit.)

7. Repeat steps 3 to 6 to perform additional settings. Press the SET TEMP. buttons ($\vee$) ($\wedge$) and FAN button simultaneously again for more than 5 seconds to cancel the function setting mode. In addition, the function setting mode will be automatically canceled after 1 minute if no operation is performed.

8. After completing the function setting, be sure to turn off the power and turn it on again.

⚠ **CAUTION**

After turning off the power, wait 30 seconds or more before turning on the power again. The function setting will not become active unless the power is turned off then on again.

■ Contents of function setting

Each function setting listed in this section is adjustable in accordance with the installation environment.

NOTE: Setting will not be changed if invalid numbers or setting values are selected.

● Function setting list

	Function no.	Functions
1)	11	Filter sign
2)	21	Static pressure
3)	30	Room temperature sensor control for cooling
4)	31	Room temperature sensor control for heating
5)	40	Auto restart
6)	42	Room temperature sensor switching
7)	43	Cold air prevention
8)	46	External input control
9)	48	Room temperature sensor switching (Aux.)
10)	49	Indoor unit fan control for energy saving for cooling

1) Filter sign

Select appropriate intervals for displaying the filter sign on the indoor unit according to the estimated amount of dust in the air of the room.

If the indication is not required, select "No indication" (03).

Function number	Setting value	Setting description	Factory setting
11	00	Standard (2,500 hours)	
	01	Long interval (4,400 hours)	
	02	Short interval (1,250 hours)	
	03	No indication	♦

2) Static pressure

Select the appropriate static pressure according to the installation conditions.

Function number	Setting value	Setting description	Factory setting
21	00	Normal	♦
	01	High static pressure 1	
	02	High static pressure 2	
	03	High static pressure 3	

3) Room temperature sensor control for cooling

Depending on the installed environment, correction of the room temperature sensor may be required. Select the appropriate control setting according to the installed environment.

Function number	Setting value	Setting description	Factory setting
30	00	Standard	♦
	01	Slightly lower control	
	02	Lower control	
	03	Higher control	

4) Room temperature sensor control for heating

Depending on the installed environment, correction of the room temperature sensor may be required. Select the appropriate control setting according to the installed environment.

Function number	Setting value	Setting description	Factory setting
31	00	Standard	♦
	01	Lower control	
	02	Slightly higher control	
	03	Higher control	

5) Auto restart

Enables or disables automatic restart after a power interruption.

Function number	Setting value	Setting description	Factory setting
40	00	Enable	♦
	01	Disable	

NOTE: Auto restart is an emergency function such as for power outage etc. Do not attempt to use this function in normal operation. Be sure to operate the unit by remote controller or external device.

6) Room temperature sensor switching

(Only for wired remote controller)

When using the wired remote controller temperature sensor, change the setting to "Both" (01).

Function number	Setting value	Setting description	Factory setting
42	00	Indoor unit	♦
	01	Both	

00: Sensor on the indoor unit is active.

01: Sensors on both indoor unit and wired remote controller are active.

NOTE: Remote controller sensor must be turned on by using the remote controller.

7) Cold air prevention

This setting is to disable the cold air prevention function during heating operation. When disabled, the fan setting will always follow the setting on the remote controller. (Excluding defrost mode)

Function number	Setting value	Setting description	Factory setting
43	00	Enable	♦
	01	Disable	

8) External input control

"Operation/Stop" mode or "Forced stop" mode can be selected.

Function number	Setting value	Setting description	Factory setting
46	00	Operation/Stop mode	♦
	01	(Setting prohibited)	
	02	Forced stop mode	

9) Room temperature sensor switching (Aux.)

To use the temperature sensor on the wired remote controller only, change the setting to "Wired remote controller" (01).

This function will only work if the function setting 42 is set at "Both" (01).

When the setting value is set to "Both" (00), more suitable control of the room temperature is possible by setting function setting 30 and 31 too.

Function number	Setting value	Setting description	Factory setting
48	00	Both	♦
	01	Wired remote controller	

10) Indoor unit fan control for energy saving for cooling

Enables or disables the power-saving function by controlling the indoor unit fan rotation when the outdoor unit is stopped during cooling operation.

Function number	Setting value	Setting description	Factory setting
49	00	Disable	
	01	Enable	♦

00: When the outdoor unit is stopped, the indoor unit fan operates continuously following the setting on the remote controller.

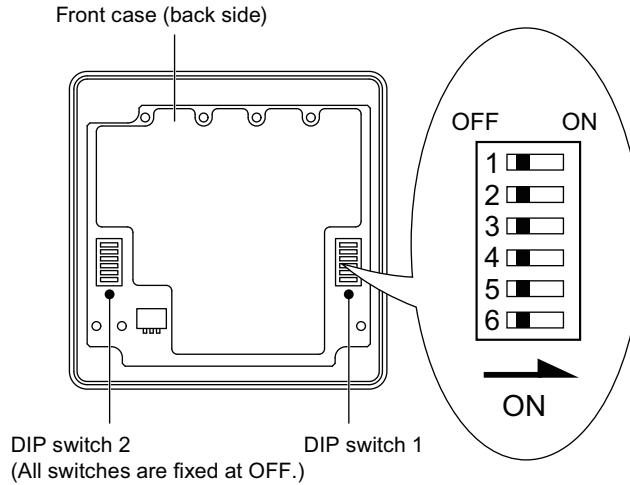01: When the outdoor unit is stopped, the indoor unit fan operates intermittently at a very low speed.

10-3. Function settings on wired remote controller

By using some components on the wired remote controller, you can change the function settings related on the remote controller.

■ Component location

Components on the wired remote controller used for the function settings are located as shown in the following figure.

NOTE: Do not use DIP switch 2.

Front case (back side)
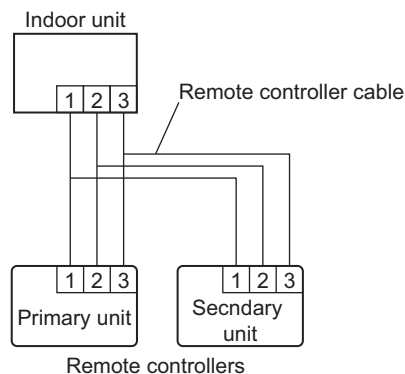
DIP switch 2
(All switches are fixed at OFF.)

DIP switch 1

■ DIP switch setting

By switching each slide switch on the DIP switch 1, you can change the function settings for the remote controller.

	SW1	Setting change prohibited*
	SW2	Dual remote controller setting
DIP switch 1	SW3	Setting change prohibited*
	SW4	Setting change prohibited*
	SW5	Setting change prohibited*
	SW6	Memory backup setting

*: Switches are fixed at OFF initially.

- **SW2: Dual remote controller setting**
  Number of remote controller can be changed.

Number of remote controller	Primary unit	Secondary unit	Factory setting
	SW2	SW2	
1 (Normal)	OFF	—	♦
2 (Dual)	OFF	ON	

Indoor unit

Remote controller cable

Primary unit

Secndary unit

Remote controllers

- **SW6: Memory backup setting**
  Set to ON to use the batteries for memory backup. If the batteries are not used, all of the settings stored in the memory will be deleted if there is power failure.

SW6	Memory backup	Factory setting
OFF	Disabled	♦
ON	Enabled	