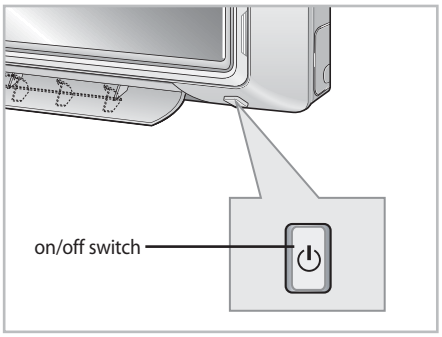
3. Alignment and Adjustments

3-1 Test Mode

■ How to Approach Test Mode

You can approach the Test Mode by pressing the on/off switch of indoor unit for 5 seconds.



■◗ Test Mode Operation Option

After installing the air conditioner, check whether each subordinate is normally operated or not by operating the Test Mode.

- **When an error occurs, display the Error Mode.**
- **Operation Mode :** Cool mode. Operate the cool mode by operating the compressor by force without the compressor ON/OFF according to the set temperature/indoor temperature. (Do not follow the antifreeze control)
- **Up-down louver :** Up-down swing mode
- **Indoor Fan :** High

- Because the Test Mode operate the cool mode by force not related to the set temperature / indoor temperature, check whether each subordinate is operated normally or not after completing installation and must turn off the power of the air conditioner.

3-2-1 Indoor Display Error and Check Method

ERROR MODE			DESCRIPTION
Oper.	Timer	Good Sleep	
×	◎	◎	Communication error (indoor<->outdoor) Pre power relay error
×	◎	×	Indoor room temp sensor error
◎	◎	×	Evap in temp sensor error
×	×	◎	Fan error(indoor)
◎	×	◎	Ourdoor error display
◎	◎	◎	EEPROM error
◎	◎	◎	Option error

● LED ON
◎ LED BLINKING
× LED OFF

3-2-2 Outdoor LED Display Error and Check Method

LED PATTERN			DESCRIPTION
YEL	GRN	RED	
○	○	○	Power Off / VDD NG
○	◎	●	Normal Operation
○	○	◎	IPM Over Current(O.C)
○	○	●	Abnormal Serial communication
○	●	●	(Display Board:Indoor<->Outdoor)
○	◎	○	Comp Starting error
○	●	◎	DC-Link voltage under/over error PFC over load / HW DC_link over
◎	○	◎	Outdoor temp sensor error(Dual/Single)
◎	○	●	Discharge over temperature(Dual/Single)
◎	◎	○	Discharge temp sensor error(Dual/Single)
◎	◎	●	Current sensor error/Heatsink sensor error Input current sensor error
◎	●	○	Comp Vlimit error/Heatsink over temp
◎	●	◎	Coil temp sensor error(Dual/Single)
◎	●	●	1min. Time out Comm. (Main <-> Inverter)
●	○	○	Fan error
○	●	○	EEProm data error
●	○	◎	OTP error
●	○	●	Comp rotation error
●	◎	○	Operation condition secession(Dual only)
●	◎	◎	DC-Link voltage sensor error
●	◎	●	I-Trip error / PFC Over current
●	●	○	GAS Leak error(Dual/Single)
●	●	◎	AC Line Zero Cross Signal out
●	●	●	Power ON reset(1sec)
◎	○	○	capacity miss match
○	◎	◎	Test Operation Cooling Mode
◎	◎	◎	Test Operation Heating Mode

● LED ON ○ LED OFF ◎ LED BLINKING

3-3 Setting Option Setup Method

ex) Option No. :

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10	SEG11	SEG12	SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
0	1	2	3	0	5	1	7	4	2	7	B	2	7	4	4	4	E
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24	SEG25	SEG26	SEG27	SEG28	SEG29	SEG30	SEG31	SEG32	SEG33	SEG34	SEG35	SEG36
3	7	8	2	0	0	0	3	4	C	4	B	1	0	4	4	4	2

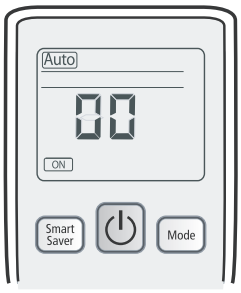
NOTE:
SEG1, SEG7, SEG13, SEG19 need not to be pressed in, so in fact the Option No. we should press in is as below.
12305 7427d 7444E 78200 34C46 04442

Step 1 : Enter the Option Setup mode.

1st Take out the batteries of remote control.

2nd Press the temperature button simultaneously and insert the battery again.

3rd Make sure the remote contr display shown as .



Step 2 : Enter the Option Setup mode and select your option according to the following procedure.

	Feature	Display
1	The default value is . Every time you push the Mode button, the display panel reads ON Auto ➡ Cool ➡ Dry ➡ Fan ➡ Heat , OFF Auto ➡ Cool ➡ Dry ➡ Fan ➡ Heat repeatedly.	
2	Push the Fan button to set the display panel to 3. Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	
3	Push the Mode button to Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	
4	Push the Mode button to . Push the Fan button to set the display panel to 7. Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	
5	Push the Mode button to . Push the Fan button to set the display panel to C . Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	
6	Push the Fan button to set the display panel to 2 . Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	

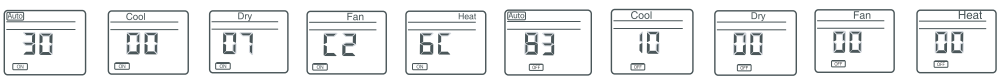
3-3 Setting Option Setup Method(continue)

	Feature	Display
7	Push the Mode button to . Push the Fan button to set the display panel to 6. Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	Heat 60 ON
8	Push the Fan button to set the display panel to 8. Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	Heat 6C ON
9	Push the Mode button to . Push the Fan button to set the display panel to 8. Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	Auto 80 OFF
10	Push the Fan button to set the display panel to 3. Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	Auto 83 OFF
11	Push the Mode button to . Push the Fan button to set the display panel to 1. Every time you push the Fan button, the display panel reads 0➡1➡2➡3➡ ..... ➡9➡A➡b➡c➡d➡E➡F repeatedly.	Cool 10 OFF
12	Push the Mode button to .	Dry 00 OFF
13	Push the Mode button to .	Fan 00 OFF
14	Push the Mode button to .	Heat 00 OFF

Step 3 : Upon completion of the selection, check you made right selections.

Press the Mode Selection key to set the display part and check the display part.

➡ The display part shows like below when each time you press Mode button .



Step 4 : Pressing the ON/OFF button ( )

When pressing the operation ON/OFF key with the direction of remote control for unit, the sound "Ding" or "Diriring" is heard and the OPERATION ICON( ) lamp of the display is flickering at the same time, then the input of option is completed. (If the diriring sound isn't heard, try again pressing the ON/OFF button.)

Step 4 : Pressing the ON/OFF button ( )

When pressing the operation ON/OFF key with the direction of remote control for unit, the sound "Ding" is heard and the OPERATION ICON( ) lamp of the display is flickering at the same time, then the input of option is completed. (If the diriring sound isn't heard, try again pressing the ON/OFF button.)

Step 5 : Unit operation test-run

First, Remove the battery from the remote control.

Second, Re-insert the battery into the remote control.

Third, Press ON/OFF key with the direction of remote control for set.

• Error Mode

1st If all lamps of indoor unit are flickering, Plug out, plug in power plug again and press ON/OFF key to retry.

2nd If the unit is not working properly or all lamps are continuously flickering after setting the option code, see if the correct option code is set up for its model.

■ OPTION ITEMS AQV18PSB

SEG 1-6						SEG 7-12						SEG 13-18						SEG 19-24						SEG 25-30						SEG 31-36					
0	1	2	3	0	5	1	7	4	2	1	D	2	7	3	2	3	C	3	7	2	6	0	0	0	3	4	7	4	3	1	1	3	F	4	7

■ OPTION ITEMS AQV24PSB

SEG 1-6						SEG 7-12						SEG 13-18						SEG 19-24						SEG 25-30						SEG 31-36					
0	1	2	3	0	5	1	7	4	2	7	B	2	7	4	4	4	E	3	7	8	2	0	0	0	3	4	C	4	B	1	0	4	4	4	2