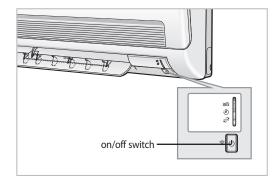
## 3. Alignment and Adjustments

### 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.

Samsung Electronics 3-1

### 3-2 Indoor Display Error and Check Method

	LAMP			
Description	OPERATION	TIMER	TURBO	Main Checking Point
	<b>\$</b>	<b>(</b>	TURBO	
Indoor unit room temperature sensor error (open or short)	0	•	0	3-2P
Indoor unit heat exchanger temperature sensor error (open or short)	•	•	0	3-3P
Indoor fan motor malfunction	0	0	•	3-4P
EEPROM error	•	•	•	Option Setting
Option error (option wasn't set up or option data error)	•	•	•	Option Setting
Outdoor unit error	•	0	•	Remote Control on/off Outdoor Unit Power Reset

lacktriangle: Lamp on,  $\bigcirc$ : Lamp off, lacktriangle: Lamp blink

3-2 Samsung Electronics

# 3-3 Outdoor LED Error Display and Check Method

No.   Yellow   Green   Red   Explanation	
2	
Abnormal Serial communication	
Abnormal Serial communication  Abnormal Serial communication  Abnormal Serial communication  Compressor Starting error  Normal Operation  Compressor Lock error  Compressor error  Discharge over temperature  Discharge over temperature  Discharge emperature sensor error  Compressor error  Compressor limit error  It is o o o peration condition error  Compressor limit error  Compressor limit error  It is o o o peration error  It is o o o o e compressor rotation error  It o o e compressor rotation error  It o o o o e compressor rotation error  It o o o o e compressor error  Compressor limit error  Compressor limit error  It o o o e compressor rotation error  It o o o o e compressor retror  Compressor rotation error  It o o o o e compressor rotation error  Compressor rotation error  It o o o o e compressor error  Compressor rotation error	
0	
Normal Operation	
6 O O O Compressor Lock error  7 O O O O Compressor Lock error  8 O O Outdoor temperature sensor error  9 O Discharge over temperature  10 O Discharge temperature sensor error  11 O O Discharge temperature sensor error  12 O Compressor limit error  13 O Coil temperature sensor error  14 O Timin. Time out Communication  15 O O Fan error  16 O O TP error  17 O O Compressor rotation error  18 O O Operation condition secession(Dual only)  19 O DC-Link voltage sensor error  L Trip error / PFC Over current  20 O GAS Leak error	
DC-Link voltage under/over error	
8	
9  O Discharge over temperature  10  O Discharge temperature sensor error  11  O Current sensor error  12  O Compressor limit error  13  O Coil temperature sensor error  14  O Timin. Time out Communication  15  O Fan error  16  O OTP error  17  O Compressor rotation error  18  O O Operation condition secession(Dual only)  19  O C-Link voltage sensor error  20  O GAS Leak error	
10	
11	
12	
13	
14         ⊚         ■         1min. Time out Communication           15         ●         O         Fan error           16         ●         O         OTP error           17         ●         O         Compressor rotation error           18         ●         O         Operation condition secession(Dual only)           19         ●         ©         DC-Link voltage sensor error           20         ●         I_Trip error / PFC Over current           21         ●         O         GAS Leak error	
15	
16	
17	
18	
19	
20 • © I_Trip error / PFC Over current  21 • O GAS Leak error	
21 • O GAS Leak error	
22 AC Line Zero Cross Signal out	
/ Ac Line Zelo closs signar out	
23 • Power ON reset(1sec)	
24 © O Capacity miss match	
25 O © Test Operation at Cooling Mode	
26 © © Test Operation at Heating Mode	

●: LED ON, O: LED OFF, ◎: LED BLINK

Samsung Electronics 3-3