

## 9. Maintenance

### 9.1 Error Code List

No.	Symptom	Error display		Repair method	code	malfunction	Error display		Repair method
		Dual 8 display	LED				Dual 8 display	LED	
1	Storage slug	EE	Heating LED-pause 3s and blink 15 times	Replace indoor main board	15	Sync failure	H7	Heating LED-pause 3s and blink 7 times	Check if the resistance of compressor and resistance to ground is normal. If the compressor is normal, the outdoor main board may be wrong.
2	Indoor PCB malfunction	EE	Heating LED-pause 3s and blink 15 times	Replace indoor main board	16	Current detection malfunction of complete unit	U5	Cooling LED-pause 3s and blink 13 times	Replace outdoor main board
3	Anti-freezing protection	E2	Running LED-pause 3s and blink 2 times	Outdoor ambient temperature is too low	17	Outdoor ambient temperature sensor malfunction	F3	Cooling LED-pause 3s and blink 3 times	Is it loose? Measure the resistance value with universal meter
4	Overload of system	H4	Heating LED-pause 3s and blink 4 times	System is abnormal, check if the evaporator and condenser is dirty and blocked	18	Discharge protection of compressor	E4	Running LED-pause 3s and blink 4 times	Is it loose? Measure the resistance value with universal meter
5	No motor of indoor unit feedback	H6	Running LED-pause 3s and blink 11 times	Is electromotor mounted normally?	19	Break-circuit and short-circuit of outdoor discharge temperature sensor	F5	cooling LED-pause 3s and blink 5 times	Is it loose? Measure the resistance value with universal meter
6	Indoor pipe temperature sensor malfunction	F2	cooling LED-pause 3s and blink 2 times	Is it loose? Measure the resistance value with universal meter	20	Break-circuit and short-circuit of outdoor condenser temperature sensor	F4	cooling LED-pause 3s and blink 18 times	Is it loose? Measure the resistance value with universal meter
7	Internal ambient temperature sensor malfunction	F1	Cooling LED-pause 3s and blink 1 times	Is it loose? Measure the resistance value with universal meter	21	Overheat of carbon fin	P8	heating LED-pause 3s and blink 19 times	Is outdoor ambient temperature is too high? Is radiator mounted correctly?
8	Zero passage abnormal	UF	Heating and cooling LED blinks 7 times at the same time	Replace indoor main board	22	DC overcurrent	H5	Heating LED blink 5 times	

code	malfunction	Error display		Repair method	code	malfunction	Error display		Repair method
		Dual 8 display	LED				Dual 8 display	LED	
9	Overload of compressor	H3	heating LEDpause 3s and blink 3 times	Inspect connection state of the overload wire.	23	Temperature sensor malfunction of carbon fin	P7	heating LEDpause 3s and blink 18 times	Replace outdoor main board.
10	Startup failure	Lc	heating LEDpause 3s and blink 11 times	Check if the resistance of compressor and resistance to ground is normal. If the compressor is normal, the outdoor main board may be wrong.	24	Lack of Freon or block protection	F0	cooling LEDpause 3s and blink 10 times	
11	No motor of outdoor unit feedback	UH	Heating and cooling LED blink 8 times at the same time	This malfunction may happen when outdoor DC electromotor is used.	25	DC input voltage is too high	PH	cooling LEDpause 3s and blink 11 times	Is voltage of AC power supply normal?
12	Over current protection	E5	Running LEDpause 3s and blink 5 times	Is electric network variable?	26	DC input voltage is too low	PL	Heating LEDpause 3s and blink 21 times	Is voltage of AC power supply normal?
13	4-way valve conversion abnormal	U7	cooling LEDpause 3s and blink 20 times	Replace 4-way valve.	27	Communication malfunction	E6	Running LEDpause 3s and blink 6 times	Is outdoor connecting wire reliably connected?
14	Phase current detection malfunction of compressor	U1	Heating LEDpause 3s and blink 13 times	Replace outdoor main board.	28	Setting error, indoor and outdoor unit abnormal	UA	Heating and cooling LED blink 12 times at the same time	Outdoor unit is not matched with indoor unit.
remarks	4min after protection stop of compressor, the malfunction is shown in error code. In other situation, the malfunction will be displayed by press the light button for 6 times within 4s.								