



## Alpha Series Fault Codes

AS10-15



### Cooling only model

Failure phenomenon	Operation lamp	Timer lamp
Indoor fan speed has been out of control for over 1 minute	☆	X
Indoor room temp. or evaporator sensor is open circuit or short circuit	☆	On
Over current protection of the compressor occurs 4 times	X	☆
EEPROM error	On	☆
No over-zero signal	☆	☆

### Heat pump model

Failure phenomenon	Operation lamp	Timer lamp	Defrosting lamp
Over current protection of the compressor occurs 4 times	☆	X	☆
Indoor fan speed has been out of control for over 1 minute	X	☆	☆
No over-zero signal	☆	☆	☆
Temp. sensor on indoor evaporator is open circuit or short circuit	X	X	☆
Indoor room temp. sensor is open circuit or short circuit	X	☆	X
EEPROM error	On	☆	X

AS25H

LED status	
Operation indicator, time indicator, Defrosting indicator (fan indicator, for cooling only type)auto indicator flicker at 5Hz	Four times Current protection (PRCUR1) 5Hz
Time indicator flickers at 5Hz	the room temperature sensor o is open or short
Operation indicator flickers at 5Hz	the evaporator temperature sensor is open or short
Defrosting indicator flickers at 5Hz	the condenser temperature sensor is open or short
Defrosting indicator, auto indicator flicker at 5Hz	Outdoor unit protects(Outdoor temp, sensor ,phase order etc)
Auto indicator, indicator flicker at 5Hz	EEPROM Communication error

AS35C\_H

### 7.1 Indoor unit

LED status	
Operation indicator, time indicator, Defrosting (fan indicator, for cooling only type)indicator flicker at 5Hz	Four times Current protection (PRCUR1) 5Hz
Time indicator flickers at 5Hz	the room temperature sensor o is open or short
Operation indicator flickers at 5Hz	the evaporator temperature sensor is open or short
Defrosting indicator flickers at 5Hz	the condenser temperature sensor is open or short
Operation indicator, time indicator, indicator flicker at 5Hz	EEPROM error
Defrosting indicator, auto indicator, indicator flicker at 5Hz	Outdoor unit protects(Outdoor temp, sensor ,phase order etc)
Auto indicator, indicator flicker at 5Hz	Communication error

### 7.2 Outdoor unit

LED status( the times after 2 seconds interval )	
5 times	Communication error
4 times	Phase order protection
3 times	Pressure protection
2 times	The condenser temperature sensor is open or short
1 time	Indoor unit abnormal
On	Working status

✗ Extinguish

☆ Flash at 5Hz

ALPHA Inverter



## 7.Troubleshooting

### 7.1 Indoor Unit Error Display Function

LED4 defrost	operation	LED2 defrosting	LED1 timer	LED4 auto	LED STATUS
LED2 defrost	LED1 Timer	LED3 Auto	LED4 operation		
X	X	O	☆		Mold protection
O	X	X	☆		Compressor top protection against temperature
X	O	X	☆		Open or short circuit of outdoor temperature sensor
X	O	O	☆		Over load or too low voltage protection
O	O	O	☆		Room temperature or evaporator temperature sensor open or short circuit of
O	O	☆	☆		Fan speed beyond control
☆	X	O	☆		Zero-crossing examination error
☆	O	X	☆		Temperature fuse protection
X	X	☆	☆		EEPROM data error
☆	O	X	☆		Types doesn't match
☆	☆	☆	☆		Indoor / outdoor units communication protection

O (on) X (off) ☆ (flash)

### 7.2. Outdoor Unit Error Self-diagnosis Display

Outdoor Unit Error: If L4 flashes at 1Hz.

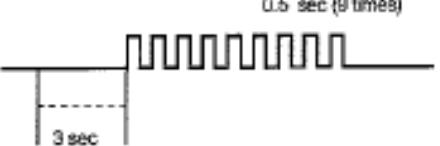
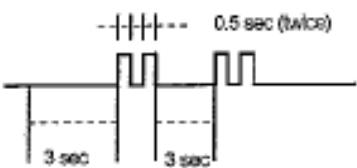
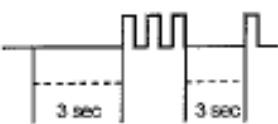
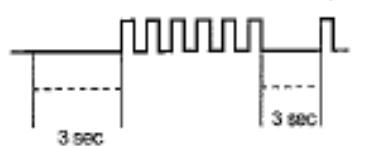
Outdoor unit works: L4 on

Outdoor unit Stand by: if L4 flashes at 0.5Hz

**CARRIER “P” SERIES**



Turn to the Experts

NO. (RANK)	ERROR CONTENTS	DISPLAY PATTERN	ALLOWED MODES
1	Power Line Feedback (ZERO CROSSING)		
2	ROOM AIR THERMISTOR		FAN ONLY MODE
3	INDOOR COIL THERMISTOR		FAN ONLY MODE
4	COMPRESSOR DRIVE MALFUNCTION		FAN ONLY MODE
5	REVERSING VALVE		FAN ONLY MODE
6	INDOOR THERMISTOR WIRING REVERSED		FAN ONLY MODE

**■ NOTE >>>**

- If more than two errors occur, the highest item are displayed.  
If the highest item is cleared, the next rank error codes are displayed.