

- **Error list**

Failure Type	LED Code	Digital LED Code
Indoor and outdoor communication failure	RUN、TIMER—both winking	E0
Outdoor communication failure	RUN、TIMER—both winking	EC
Indoor room temperature sensor (IRT)	RUN-1 time/8s	E1
Indoor coil temperature sensor (IPT)	RUN-2 times /8s	E2
Outdoor coil temperature sensor (OPT)	RUN-3 times /8s	E3
System abnormality	RUN-4 times /8s	E4
Model configuration wrong	RUN-5 times /8s	E5
Indoor fan motor fault	RUN-6 times /8s	E6
Outdoor temperature sensor	RUN-7 times /8s	E7
Exhaust temp. sensor	RUN-8 times /8s	E8
IPM drive and module fault	RUN-9 times /8s	E9
Outdoor fan motor fault (DC motor)	RUN-10 times /8s	EF
Current sensor fault	RUN—11 times /8s	EA
Indoor unit EEPROM fault	RUN-12 times /8s	EE
Temp. switch fault (on top of the compressor)	RUN-13 times /8s	EP
Voltage sensor fault	RUN-14 times /8s	EU

- Protection display code list:

Protection Type	Function Indicator (flash)	Digital LED Code
Overvoltage /lower voltage protection	RUN: Blink; TIMER: 1 blink /8 sec	P1
Overcurrent protection	RUN: Blink; TIMER: 2 blink /8 sec	P2
Exhaust over temperature protection	RUN: Blink; TIMER: 4 blink /8 sec	P4
Too cool protection in cooling mode	RUN: Bright; TIMER: 5 blink /8 sec	P5
Overheat protection in cooling mode	RUN: Bright; TIMER: 6 blink /8 sec	P6
Overheat protection in heating mode	RUN: Bright; TIMER: 7 blink /8 sec	P7
Outdoor over temperature / lower temperature protection	RUN: Bright; TIMER: 8 blink /8 sec	P8
Drive protection (software control)	RUN: Blink; TIMER: 9 blink /8 sec	P9
Module protection (hardware control)	RUN: Blink; TIMER: 10 blink /8 sec	P0

- Outdoor failure display

There is a LED on outdoor power board, it blinks 1s ON and 1s OFF while compressor standby and it always light (ON) while compressor running; If there is failure happened on ODU, The indicator (LED) alerts the fault in a cycle as such that it is bright for 0.5 seconds, dark for 0.5 seconds, blinks “n” times and then dark for 3 seconds. For details as table below:

Display on outdoor power source board:

blink time (n)	Failure
1	IPM protection
2	Over voltage /lower voltage
3	Overcurrent
4	Exhaust over temperature protection
5	Outdoor coil over temperature protection
6	Drive fault and protection (V1, VP1)
7	Communication fault with indoor unit
8	Compressor overheat fault (compressor top switch)
9	Short-circuit / open-circuit fault of outdoor temperature sensor
10	Short circuit / open-circuit fault of outdoor heat exchanger temperature sensor
11	Short-circuit / open-circuit fault of exhaust temperature sensor
12	Voltage sensor fault
13	Current sensor fault
14	IPM fault
15	Communication fault between power source board and IPM
16	No feedback from DC fan motor(outdoor unit)
17	Defrost state