

compressor's current operating frequency.

Symbols for indicator light:: ★: ON ○: flashing ×: OFF				
	LED1	LED2	LED3	The cause of the restriction on the compressor's current operating frequency
1	○	○	○	Normal frequency ascent and descent with no restriction on the frequency
2	×	×	★	Frequency descent or restriction on frequency ascent caused by overcurrent
3	×	★	★	Frequency descent or restriction on frequency ascent caused by anti-freeze in cooling or overload control in heating
4	★	×	★	Frequency descent or restriction on frequency ascent caused by too high compressor discharge temperature
5	×	★	×	Restriction on maximum operation operating frequency caused by too low voltage on the supply circuit
6	★	★	★	Operating at a fixed frequency (when in a capacity measurement or forced operation at a fixed frequency.)
8	★	×	×	Communication frequency drops.

3.12 Special notes

3.12.1 The outdoor unit of this model is electrified by the indoor unit control. After the system starts to operate, the indoor unit supplies the outdoor unit (except for the ventilation mode). If the EEPROM data is read correctly after turning on the power, the indoor unit's beeper rings one time, or if it is not the case the beeper will ring two times and the system cannot be started. Normally, when the indoor unit receives a control signal from the remote controller and emergency button, the system will be started and the beeper will ring two times, and in other cases, the beeper will ring one time.

3.12.2 This model can achieve the power interruption restoration function by the selection of the EEPROM data. The power interruption restoration is applied only for the basic functions (turning ON and OFF, setting temperatures, modes, fan speeds and flap's position) and not for other special functions such as sleep, timing and power-saving run.

7-1. Trouble alarm

Trouble List

Indication on the outdoor unit

When the compressor is interrupted, the outdoor LEDs are used to indicate the troubles listed below:

Symbols for indicator lights: ★: ON O: flashing ×: OFF				
	LED1	LED2	LED3	Troubles
1	×	×	×	Normal
2	×	×	★	Room temperature sensor short-circuited, open circuited or the corresponding test circuit in trouble
3	×	★	×	Indoor heat exchanger temperature sensor short-circuited, open circuited or the corresponding test circuit in trouble
4	★	×	×	Compressor temperature sensor short-circuited, open circuited or the corresponding test circuit in trouble
5	★	×	★	Outdoor heat exchanger temperature sensor short-circuited, open circuited or the corresponding test circuit in trouble
6	★	★	×	Outdoor atmosphere temperature sensor short-circuited, open circuited or the corresponding test circuit in trouble
9	×	×	O	Signal communication abnormal (indoor – outdoor)
10	×	O	×	Power module (IPM) protection
11	★	O	★	Maximum current control
12	★	O	×	Current overload control
13	×	O	★	Compressor discharge temperature too high
14	★	★	O	Over and under-voltage control
18	×	★	O	Compressor housing temperature too high
19	★	★	★	Outdoor memory in trouble
20	×	O	O	Indoor fan motor in trouble
22	O	O	×	DC compressor fails to start
23	O	×	O	DC compressor out of step

Indication by the indoor unit

Press the high power for 4 times in a row and the trouble codes listed below will be displayed.

0	No trouble	16	Anti-freeze or overload control
1	Outdoor coil temperature sensor in trouble	18	DC compressor fails to start
2	Compressor temperature sensor in trouble	19	DC compressor out of step
3	Voltage transformer in trouble		
4	Current transformer in trouble		

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5	IPM module protection		
6	Over and under-voltage control	33	Room temperature sensor in trouble
7	Communication trouble	34	Indoor coil temperature sensor in trouble
8	Current overload control	36	Communication between the indoor and outdoor in trouble
9	Maximum current control	39	Indoor fan motor operation abnormal
10	4-way valve changeover abnormal	40	Grid protection alarm (cabinet type)
11	Outdoor EEPROM in trouble	41	Detecting failures by zero-crossing
13	Compressor exhaust temperature too high control		
14	Outdoor ambient temperature sensor in trouble		
15	Compressor housing temperature control		

7-2. Service flow chart







