

Galanz constant frequency single split type air conditioning malfunction indicate explanation

Note: constant frequency single split type air conditioning include wall mounted type and flooring standing type, while floor standing include three-phase and single phase types. Wall mounted and single phase floor standing types have malfunction indicators on the indoor unit, while three-phase floor standing type have malfunction indicators on both indoor & outdoor unit. We use uniform malfunction codes, and the codes vary with different indicators or screens, the same models with different refrigerant have the same codes. Followed are the different malfunction indications:

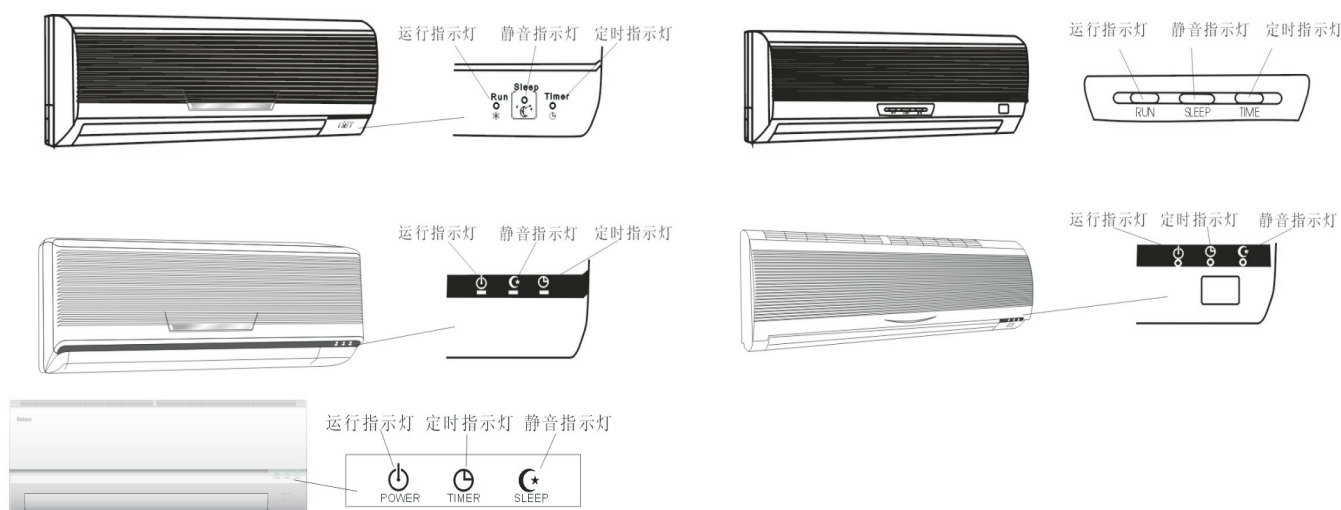
1. Wall mounted split:

A. In situation of only three indicators on the indoor unit:

运行指示灯: Run indicator

静音指示灯: Sleep indicator

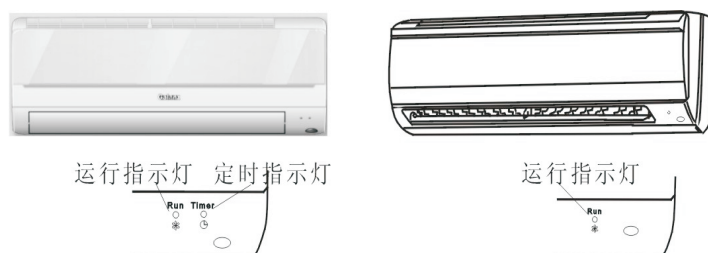
定时指示灯: Timer indicator



Run indicator	Sleep indicator	Timer indicator	Malfunction code
☆	☆	☆	Indication of the malfunction of indoor coil temperature sensor
☆	☆	●	Indication of the malfunction of indoor environment temperature sensor
☆	☆	○	Indication of the malfunction of outdoor coil temperature sensor
☆	●	☆	Indication of the malfunction of PG Motor
Remark: ●: on; ○: off; ☆: flash;			

B. In situation of only two or one indicators on the indoor unit:

运行指示灯: Run indicator (定时指示灯: Timer indicator)



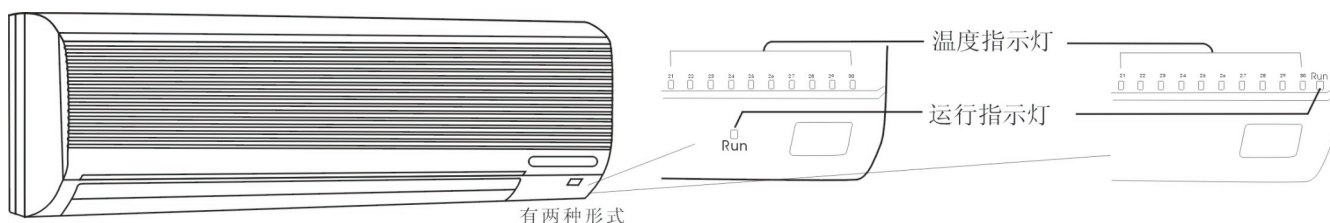
- (1) If there is anything wrong with the indoor temperature sensor or indoor coil temperature sensor, the run indicator will in a recurrence of flash twice in sequence and then stop for 2 seconds.
- (2) If there is anything wrong with the indoor PG motor, that is to say the SCM does not receive the operation signal of speed, the run indicator will in a recurrence of flash three times in sequence and then stop for 2 seconds.

A. In situation of there is a run indicator and a line of temp indicators

温度指示灯：Temperature indicator

运行指示灯：Run indicator

有两种形式：With two forms.



- (1) When there is anything wrong with the indoor temp. sensor, the green temp indicators of 21, 29 and 30 lighting and the run indicator in a recurrence of flash twice in sequence and then stop for 2 seconds.



When indoor coil temp sensor breaks down, the green temp indicators of 22, 29 and 30 lighting and the run indicator in a recurrence of flash twice and then stop for 2 seconds.



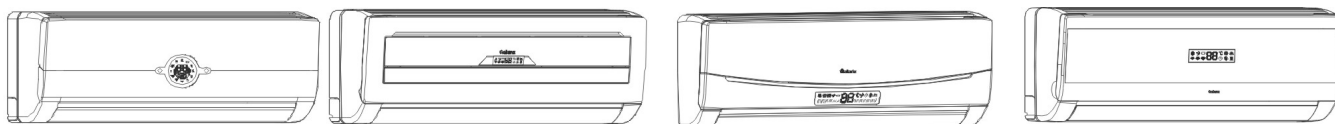
- (2) When the outdoor coil temp indicator breaks down, the green temp indicators of 23, 29 and 30 lighting and the run indicator in a recurrence of flash 6 times in sequence and then stop for 2 seconds.



- (3) When there is anything wrong with the indoor fan motor (PG motor), that is to say the SCM does not received the operation signal of speed, the green temp indicators of 24, 29 and 30 lighting and the run indicator in a recurrence of flash 3 times in sequence and then stop for 2 seconds.



D. In situation of LED/LCD screen display, that is to say 88 display:





VFD or LED display	Malfunction codes
F6 or FF 06	Indication of the malfunction of PG motor
F7 or FF 07	Indication of the malfunction of indoor temp sensor
F8 or FF 08	Indication of the malfunction of indoor coil sensor
F9 or FF 09	Indication of the malfunction of outdoor coil sensor

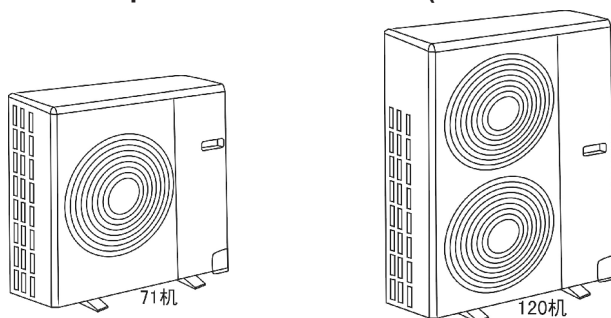
2. Floor Standing Type:

A. Single phase and three-phase indoor units



VFD or LED Display	Malfunction codes:
F1 or FF 01	Indication of evaporator frost malfunction
F3 or FF 03	Indication of outdoor coil overheated when cooling
F4 or FF 04	Indication of indoor coil overheated when heating
F7 or FF 07	Indication of the malfunction of indoor temp sensor
F8 or FF 08	Indication of malfunction of indoor coil temp sensor
F9 or FF 09	Indication of malfunction of Outdoor coil temp sensor

B. With three-phase outdoor units: (malfunction indicators locate on the PCB)



1. Indication of supply: when wired up without turning on the machine, LED1. LED5 flash twice one second
2. Indication of running: when the machine run normally, LED1 flash twice a second.
3. In the following, □ON□denote lighting, malfunction codes displays according to the PRI, supply and running indication are the lowest.

PRI	Malfunction codes	LED1	LED2	LED3	LED4	LED5
1	Out of phase protection	ON				ON
2	Open-phase protection	ON			ON	ON
3	High voltage protection	ON		ON		
4	Low voltage protection	ON		ON		ON
5	Overheat protection	ON		ON	ON	
6	Over-load protection	ON	ON		ON	ON
7	Outdoor sensor malfunction	ON	ON	ON		
8	Anti freezing protection	ON	ON	ON		ON
9	Defrost protection	ON		ON	ON	ON
10	Electrical heating		ON			
11	Slide valve start	ON	ON			ON