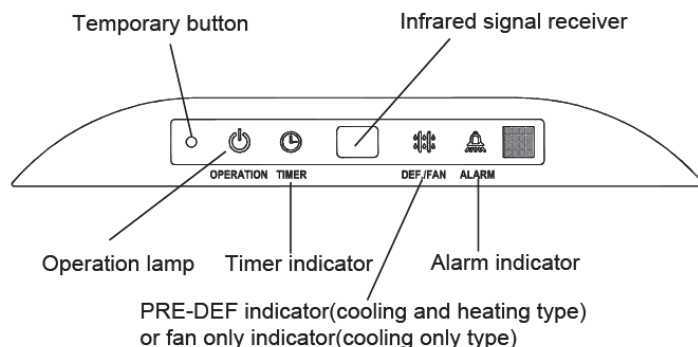


10. Troubleshooting

10.1. Self-diagnosis

Indoor unit's LED indication

(1) For the Four-way cassette



During malfunction protection, digital pipe displays as follow:

No	Displaying contents	Malfunction or protection
1	E2	Indoor temperature sensor is abnormal
2	E3	Evaporator temperature sensor is abnormal
3	E4	Condenser temperature sensor is abnormal
4	E5	Temperature sensor error of water pump
5	E6	Outdoor unit malfunction
6	E7	EEPROM malfunction
7	E8	Full-water malfunction

(2) For the other types indoor unit

No.	Type	Contents	LED Flashing	Remark
1	Normal	Standing-by	Operation lamp flashes at 0.5Hz	Nothing wrong with the unit when LED indicate these contents.
2	Normal	System Off	All lamps are off	
3	Normal	System startup	Operation lamp on	
4	Normal	Forced cooling	Operation lamp flashes at 5Hz, Timer lamp on	
5	Protection	Over current protection of the compressor occurs 4 times in 1h	Lamps of operation, timer, defrosting (only fan) flashing simultaneously at 5Hz.	Whole unit is shut down. It cannot recover unless power is cut off
6	Protection	Outdoor protection (lack of phase, phase sequence and temperature protection)	All lamps flashing at 5Hz	Recover automatically after errors are eliminated (For T3 malfunction of 5HP, can't recover automatically)
7	Error	Room temperature sensor checking channel is abnormal	Timer lamp flashing at 5Hz	
8	Error	Evaporator sensor checking channel is abnormal	Operation lamp flashing at 5Hz	
9	Error	Condenser sensor checking channel is abnormal	Defrosting lamp flashing at 5Hz	
10	Error	Communication of EEPROM malfunction	Operation lamp and timer lamp flashing at 5Hz	
11	Error	Water level alarm/pump sensor malfunction	Alarm lamp flashes at 5Hz	

(3) LEDs' for the indication of outdoor trouble (3 phase type, 14, 16kW)

Type	Contents	LED1	LED2	LED3
Trouble	Phase sequence	Flash	Off	Off
Trouble	Lack of phase(A,B)	Flash	Off	Off
Trouble	Lack of phase(C)	Off	Off	Off
Trouble	Protection of Low pressure	Flash	Flash	Off
Trouble	Overload of current	Off	Off	Flash
Trouble	Communication malfunction	Flash	Off	Flash
Trouble	Open-circuit and short-circuit trouble of T3	Off	Flash	Flash
Trouble	Open-circuit and short-circuit trouble of T4(High discharge temperature protection)	Off	Flash	Off
Trouble	High temperature protection of condenser	Flash	Flash	Flash