

5-3. PAC System Alarm Codes

Alarms for outdoor units

Alarm Code	Alarm Meaning
E01	Remote Controller Reception Error
E02	Remote Controller Transmission Error
E03	Error in Indoor Unit Receiving Signal from Remote Controller (central)
E04	Error in Indoor Unit Receiving Signal from the Outdoor Unit
E05	Error in Indoor Unit Transmitting Signal to the Outdoor Unit
E06	Outdoor Unit Failed to Receive Serial Communication Signals from Indoor Unit
E08	Duplicate Indoor Unit Address Settings Error
E09	More Than One Remote Controller Set to Main Error
E12	Automatic Address Setting Start is Prohibited while Auto-address Setting in Progress.
E14	Main Unit duplication in Simultaneous-operation Multi Control (detected outdoor unit)
E15	Automatic Address Alarm (The total capacity of indoor units is too low.)
E16	Automatic Address Alarm (The total capacity of indoor units is too high or the total number of indoor units is too many.)
E18	Faulty Communication in Group Control Wiring
E20	Connection Problem of Indoor/Outdoor Units.

F04	Compressor Discharge Temperature Sensor (TD) Trouble
F06	Inlet Temperature Sensor (C1) in Heat Exchanger Trouble
F07	Intermediate Temperature Sensor (C2) in Heat Exchanger Trouble
F08	Outdoor Air Temperature Sensor (TO) Trouble
F12	Compressor Inlet Suction Temperature Sensor (TS) Trouble
F31	Outdoor Unit Nonvolatile Memory (EEPROM) Trouble

H01	Primary (input) Overcurrent Detected
H02	PAM Trouble
H03	Primary Current CT Sensor (current sensor) Failure
H05	Sensor Failure, Compressor Discharge Temperature Sensor (TD) Disconnected
H31	HIC Trouble

L04	Outdoor Unit Address Duplication
L10	Outdoor Unit Capacity not Set or Invalid
L13	Indoor Unit Type Setting Error
L18	4-way Valve Operation Failure

P03	Compressor Discharge Temperature Trouble
P04	High Pressure Trouble
P05	AC Power Supply Trouble
P13	Alarm Valve Open
P14	O ₂ Sensor Detect
P15	Insufficient Gas Level Detected
P16	Compressor Overcurrent Trouble
P22	Outdoor Unit Fan Motor Trouble
P29	Lack of INV compressor wiring, INV compressor actuation failure (including locked), DCCT failure
P31	Group Control Error

5-1. Contents of Remote Controller Switch Alarm Display

ON: ○ Blinking: ☀ OFF: ●

Possible cause of malfunction			Wired remote control display	Wireless remote controller receiver display		
				Operation	Timer	Preparing
Serial communication errors Missetting	Remote controller is detecting error signal from indoor unit.	Error in receiving serial communication signal (Signal from main indoor unit in case of group control) Ex: Auto address is not completed.	E01	☀	●	●
		Error in transmitting serial communication signal	E02			
	Indoor unit is detecting error signal from remote controller (and system controller).		E03			
	Indoor unit is detecting error signal from outdoor unit.	Error in receiving serial communication signal When turning on the power supply, the number of connected indoor units does not correspond to the number set. (Except R.C. address is "0.")	E04	●	●	☀
		Outdoor unit failed to receive serial communication signals from indoor unit	E06			
	Improper setting of indoor unit or remote controller .	Indoor unit address setting is duplicated.	E08	☀		
		Remote controller address connector (RCU. ADR) is duplicated. (Duplication of main remote controller)	E09			
	During auto address setting, number of connected units does not correspond to number set.	Automatic address setting start is prohibited while auto-address setting in progress.	E12	☀	●	●
		Main unit duplication in simultaneous-operation multi control (detected outdoor unit)	E14			
	Indoor unit communication error of group control wiring	Error of main indoor unit in receiving serial communication signal from sub indoor units	E18			
	When turning on the power supply, number of connected units does not correspond to number set. (Except R.C. address is "0.")	Automatic Address Alarm (The total capacity of indoor units is too low.)	E15	☀		
		Automatic Address Alarm (The total capacity of indoor units is too high or the total number of indoor units is too many.)	E16	●	●	☀
		Connection problem of indoor/outdoor units.	E20			
		Main outdoor unit is detecting error signal from sub outdoor unit.	E24			
		Error of sub outdoor unit in receiving serial communication signal from main outdoor unit	E29			
	Improper setting	This alarm message shows when the indoor unit for multiple-use is not connected to the outdoor unit.	L02	☀	●	☀
		Duplication of main indoor unit address setting in group control	L03			
		Group control wiring is connected to individual control indoor unit.	L07			
		Indoor unit address is not set.	L08	☀	●	☀
		Capacity code of indoor unit is not set.	L09			
4-way valve operation failure		L18	☀	○	☀	
Outdoor unit address duplication		L04				
Outdoor unit capacity not set or invalid		L10				
Indoor unit type setting error	L13					
Activation of protective device	Protective device in indoor unit is activated.	Thermal protector in indoor unit fan motor is activated.	P01	●	☀	☀
		Improper wiring connections of ceiling panel	P09			
		Float switch is activated.	P10			
		Operation of protective function of fan inverter	P12			
		O2 sensor detect	P14			

Continued

ON: ○ Blinking: ☀ OFF: ●

Possible cause of malfunction			Wired remote control display	Wireless remote controller receiver display			
				Operation	Timer	Preparing	
Activation of protective device	Protective device in outdoor unit is activated.	Compressor discharge temperature trouble	P03	Operating and heating ready lamp blinking alternately	☀ ● ☀		
		High pressure trouble	P04				
		AC power supply trouble	P05				
		Insufficient gas level detected	P15				
		Compressor overcurrent trouble	P16				
		Outdoor unit fan motor trouble	P22				
		Lack of INV compressor wiring, INV compressor actuation failure (including locked), DCCT failure	P29				
		Group control error	P31				
		Alarm valve open	P13				Timer and heat ready lamp blinking alternately
HIC trouble	H31	Timer lamp blinking	● ☀ ●				
Thermistor fault	Indoor thermistor is either open or damaged.	Indoor coil temp. sensor (E1)	F01	Operating and timer lamps blinking alternately	☀ ☀ ●		
		Indoor coil temp. sensor (E3)	F03				
		Indoor suction air (room) temp. sensor (TA)	F10				
		Indoor discharge air temp. sensor (BL)	F11				
	Outdoor thermistor is either open or damaged.	Compressor discharge temperature sensor (TD)	F04	Operating and timer lamps blinking alternately	☀ ☀ ○		
		Inlet temperature sensor (C1) in heat exchanger	F06				
		Intermediate temperature sensor (C2) in heat exchanger	F07				
		Outdoor air temperature sensor (TO)	F08				
		Compressor inlet suction temperature sensor (TS)	F12				
EEPROM on indoor unit PCB failure			F29	Operating and timer lamp blinking simultaneously	☀ ☀ ●		
Protective device for compressor is activated	Protective device for compressor is activated.	Outdoor unit nonvolatile memory (EEPROM) trouble	F31	Operating and timer lamp blinking simultaneously	☀ ☀ ○		
		Primary (input) overcurrent detected	H01				Timer lamp blinking
		PAM trouble	H02				
		Primary current CT sensor (current sensor) failure	H03				
		Sensor failure, Compressor discharge temperature sensor (TD) disconnected	H05				