

6 Troubleshooting

6.1 Error codes

Error messages for a range of faults are displayed on the ADB display where the temperature readout is located.

Below is a table of the codes and the meaning.

Type of Fault	Error Code	PCB LED Flashes	Cause of Issue
Undervoltage protection	P1	2	<ul style="list-style-type: none"> Input voltage drops below 160V ± 5V
Overcurrent protection	P2	3	<ul style="list-style-type: none"> Running current exceeds the limit value
Exhaust temperature protection	P4	4	<ul style="list-style-type: none"> The exhaust gas temperature exceeds the shutdown protection value
Cooling Anti-cold protection	P5	32	<ul style="list-style-type: none"> Cooling operation, the indoor pipe temperature is below the setpoint
Refrigeration protection against overheating	P6	5	<ul style="list-style-type: none"> Cooling operation, the outdoor pipe temperature exceeds a set value
Heating protection against overheating	P7	33	<ul style="list-style-type: none"> Heating operation indoor pipe temperature exceeds a set value
The outdoor temperature too high or too low protection	P8	31	<ul style="list-style-type: none"> Outdoor temperature is below 0°C or above 32°C refrigeration heating
Driver protection	P9	6	<ul style="list-style-type: none"> The compressor drive abnormal or start {Microcoft user }
			<ul style="list-style-type: none">
Indoor and outdoor communication failure	E0	7	<ul style="list-style-type: none"> No communication or indoor outdoor power anomalies Check connections between ADB and rooftop unit for loose/damaged connections
Outdoor communication failure	EC	15	<ul style="list-style-type: none"> Outdoor power board to communicate with the module failure
Room temperature sensor	E1	25	<ul style="list-style-type: none"> Indoor ambient temperature sensor short circuit or open circuit

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Inner coil temperature sensor	E2	26	<ul style="list-style-type: none"> Indoor coil temperature sensor short circuit or open circuit
Outer coil temperature sensor	E3	10	<ul style="list-style-type: none"> Outdoor coil temperature sensor short circuit or open circuit
Or drainage pump failure	EL	23	<ul style="list-style-type: none"> Water level continues to rise in the pan
Indoor fan failure	E6	21,28	<ul style="list-style-type: none"> Indoor fan does not turn or speed anomalies
Outdoor temperature sensor	E7	9	<ul style="list-style-type: none"> Outdoor ambient temperature sensor short circuit or open circuit
Exhaust gas temperature sensor	E8	11	<ul style="list-style-type: none"> Outdoor exhaust temperature sensor short circuit or open circuit
Variable frequency drive module failure	E9	14,30	<ul style="list-style-type: none"> 6 or drive module protection appears within 30 minutes
Outdoor fan failure	EF	16, 20	<ul style="list-style-type: none"> Outdoor DC fan motor does not turn or speed anomalies
Current sensor fault	EA [U3]	13	<ul style="list-style-type: none"> Hardware fault (if code displays immediately) The compressor current draw is lower than 1A and the detecting time is more than 30s when the compressor works at equal or greater than 35Hz – possible cause is low refrigerant
Indoor EEPROM fault	EE	27	<ul style="list-style-type: none"> Not read EEPROM data
Outdoor EEPROM fault	EE [U4]	19	<ul style="list-style-type: none"> Not read EEPROM data
Compressor housing top switch failure	EP	8	<ul style="list-style-type: none"> Compressor housing top temperature is too high or temperature switch is broken
Voltage sensor failure	EU [U5]	12	<ul style="list-style-type: none"> Less than a voltage sampling system
Return Air Temperature Sensor	EH	18	<ul style="list-style-type: none"> Return air temperature sensor short circuit or open circuit