Carrier Inverter AC Error Codes, Indoor and Outdoor Protection

Category: air conditioner
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Error Display

Indoor duplty	Oudoor LED Flash	Error Information
E0	★25 Times	Indoor unit EEPROM parameter error
E2	★27 Times	Zero-crossing signal detection error
E4	★28 Times	The indoor tan spersing sperating outside thcuit or short circuit
E5	★28 Times	Eraporator coil temperature sensor is open circuit or short circuit
EC	★30 Times	Refrigerant leakage detected
E1	★2 Times	Indoor/outdoor units communication error
F1	★11 Times	Outdoor ambient temperature sensor is open circuit or short circuit
F2	★10 Times	Condeneer coil temperature sensor is open circuit or short circuit
F3	★8 Times	Compressor discharge temperature sensor is open circuit or short circuit
F4	★1 Time	Outdoor unit EEPROM parameter error
F5	★12 Times	Outdoor DC fan molor fault
F6	★9 Times	Compressor Suction temperature sensor fault
L3	★33 Times	Drive phase curent overload fault
L4	★34 Times	Phase current sampling fault
P0	★6 Times	IPM module fault
F2	★7 Times	Compressor shell temperature overheat protection
F4	★4 Times	Compressor starting abnormal
P4	★5 Times	Compressor out-of-step abnormal
F0	★13 Times	Outdoor AC current protection
L1	★31 Times	Drive bus vollage overload protection
L2	★32 Times	Drive bus vollage over-low protection
F1	★15 Times	Outdoor Over-high/Over-low AC voltage protection
P5	★14 Times	Compressor phase current protection
P6	★18 Times	Outdoor Over-high/Over-low DC voltage protection
P7	★17 Times	IPM temperature over heat protection
P8	★18 Times	Compressor discharge temperature overheat protection
P9	★19 Times	Cooling indoor unit anti-freezing protection
PU	★20 Times	Cooling outdoor coil overheat protection
PE	★21 Times	Heating indoor coil overheat protection
PC	★22 Times	Cooling outdoor ambient temperature over-low protection
PH	★23 Times	Heating outdoor ambient temperature over-high protection

★ Flash

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Carrier inverter air conditioners use detailed error codes to protect the compressor, sensors, and inverter electronics. Codes such as E0, F0, P0, and P6 reveal EEPROM faults, outdoor AC current problems, IPM module errors, and DC bus voltage issues, giving HVAC technicians a clear roadmap for safe, accurate troubleshooting and long-term system reliability.