Bryant 619PHA Mini Split Error Codes

Indoor display error codes for Bryant 619PHA high-wall ductless units: what each code means, what to check first, and where to find the part.

Parts listed for 619PHA models: hvacexpressparts.com/search?q=619PHA
Not sure which part? Match the number printed on your old part, or call (786) 223-7655, Mon–Fri 9 AM–5 PM ET.

CODE	WHAT IT MEANS	WHAT TO CHECK FIRST	PARTS
Indoor unit			
E0 / EA	Indoor unit EEPROM parameter error.	Power the unit off for a few minutes once. If the code returns, the indoor board (the EEPROM chip is on the board).	control boards
E2	Zero-crossing detection error.	The supply voltage, then the indoor control board (the zero-crossing circuit is on the board).	control boards
E3	Indoor fan speed outside the normal range.	Indoor fan: the blower wheel turns freely and is clean, the motor plug and the motor; then the indoor control board.	fan motors, blower wheels & fan blades, control boards
E4	Indoor room temperature sensor (T1) open or short circuit.	The sensor (thermistor) and its plug. If the sensor reads correctly, the indoor control board.	control boards
E5	Evaporator coil temperature sensor (T2) open or short circuit.	The sensor (thermistor) and its plug. If the sensor reads correctly, the indoor control board.	control boards
EB	Communication error between the indoor board and the display board.	The cable between the indoor main board and the display panel, then the display board or the indoor board.	control boards
EF	Occupancy sensor module error.	The occupancy sensor module and its cable, then the indoor control board.	control boards
Communication			
E1	Communication error between the indoor and outdoor units.	The communication wiring and terminals between the units (correct order, tight, dry) and the supply voltage; then the indoor or outdoor control board.	control boards
Outdoor unit			
F1	Outdoor ambient temperature sensor (T4) open or short circuit.	The outdoor sensor (thermistor) and its plug: compare its resistance with the temperature chart. If it reads correctly, the outdoor control board.	control boards
F2	Condenser coil temperature sensor (T3) open or short circuit.	The outdoor sensor (thermistor) and its plug: compare its resistance with the temperature chart. If it reads correctly, the outdoor control board.	control boards

CODE	WHAT IT MEANS	WHAT TO CHECK FIRST	PARTS
F3	Compressor discharge temperature sensor (TP) open or short circuit.	The discharge temperature sensor (TP) and its plug, then the outdoor control board.	discharge temperature sensor, control boards
F4	Outdoor unit EEPROM parameter error.	Power the unit off for a few minutes once. If the code returns, the outdoor board (the EEPROM chip is on the board).	control boards
F5	Outdoor fan speed outside the normal range.	Outdoor fan: the blade turns freely, the motor plug and windings; then the fan drive on the outdoor control board.	fan motors, blower wheels & fan blades, control boards
Protection			
F0	Over-current (overload) protection.	The supply voltage first; then the inverter module / outdoor control board.	control boards
P0	IPM malfunction or IGBT over-current protection.	The supply voltage first; then the inverter module / outdoor control board.	control boards
P1	Over-voltage or under-voltage protection.	The supply voltage, breaker and disconnect first. If the voltage is correct, the outdoor control board.	control boards
P2	IPM module high temperature protection.	Outdoor airflow and the module's heatsink, then the inverter module / outdoor control board.	control boards
P3	Outdoor ambient temperature too low.	Usually the outdoor temperature is outside the unit's operating range. If it is not that cold outside, check the outdoor ambient sensor (T4).	—
P4	Inverter compressor drive error.	The compressor wires (U-V-W) and terminals, then the inverter module / outdoor board, then the compressor windings. Rule out the wiring and the module before replacing the compressor.	control boards, compressors

Safety. Power checks and board work are for a qualified technician; refrigerant work requires EPA Section 608 certification.

Returns. Parts that were not installed, connected or used can be returned within 30 days: hvacexpressparts.com/refund-policy.

Source. Code meanings summarized in our own words from: Bryant, 619PHA Service Manual, SM619PHA-03, Table 10 — Error Codes. The same code can mean something else on other models; confirm it in your unit's documentation.

Other brands and models. Our mini split error codes guide: hvacexpressparts.com/blog/mini-split-error-codes-guide.

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