

Daikin Rebel Fault Code Quick Reference

Daikin - Rebel fault codes | Model Type: Air-Cooled Scroll Chiller (Applied)

Code	Alarm Description	Severity	Probable Causes	First Inspection Step
E1	High pressure protection	Critical	Condenser fouled; Non-condensables; Refrigerant overcharge	Clean condenser
E2	Low pressure protection	Warning	Low refrigerant charge; Expansion valve issue; Low water flow	Check charge
E3	Compressor motor overload	Critical	Motor overload; Voltage imbalance; Liquid floodback	Measure current
E4	Discharge temperature high	Warning	High compression ratio; Oil level low; Condenser inefficiency	Check discharge temp
E5	Evaporator water flow fault	Warning	Pump stopped; Flow switch fault; Strainer clogged	Verify pump
E6	Inverter fault	Warning	Inverter power module failure; Inverter overheating; Communication fault	Check inverter fault codes
E7	Evaporator water temperature low	Warning	Setpoint too low; Flow too low; Load very low	Check setpoint
E8	Sensor fault	Warning	Sensor element failure; Wiring fault; Connector corrosion	Measure resistance
E9	Communication fault	Warning	Network cable fault; Controller offline; Protocol mismatch	Check cable
E10	Phase loss or reversal	Critical	Missing phase; Incorrect sequence; Blown fuse	Check phases
E11	Overcurrent protection	Critical	Motor overload; Short circuit; Contactor welded	Measure current
E12	Oil pressure low	Critical	Oil pump failure; Filter clogged; Low oil level	Check oil level
E13	Oil level low	Critical	Oil leak; Separator malfunction; Bearing wear	Check sight glass
E14	Expansion valve fault	Warning	Valve motor failure; Controller communication lost; Valve stuck	Check wiring
E15	Power supply fault	Warning	Voltage outside spec; Phase imbalance; Transformer failure	Measure voltage
E16	Condenser fan motor overload	Critical	Fan motor bearing failure; Fan blade obstruction; Winding failure	Check current
E17	Condenser fan 2 fault	Warning	Fan 2 motor failure; Fan 2 capacitor defective; Fan 2 control relay fault	Check fan 2 winding resistance
E18	Compressor vibration alarm	Warning	Mounting bolts loose; Bearing wear; Foundation degradation	Measure vibration
E19	Pumpdown failure	Warning	Pumpdown solenoid not closing; Pressure not reaching setpoint; Timer expired	Check solenoid

Code	Alarm Description	Severity	Probable Causes	First Inspection Step
E20	Compressor surge alarm	Warning	Operating near surge line; Condenser conditions severe; Charge incorrect	Check conditions vs map
E21	High bearing temperature	Warning	Bearing lubrication inadequate; Bearing wear; Cooling oil flow insufficient	Check bearing sensors
E22	Low subcooling alarm	Warning	Refrigerant charge low; Condenser not subcooling; Expansion valve overfeeding	Check subcooling
E23	High superheat alarm	Warning	Expansion valve starving; Charge low; Subcooling too low	Check superheat
E24	Compressor start inhibit	Warning	Safety interlock preventing start; Anti-recycle timer not elapsed; Oil heater not warmed	Check safety interlocks
E25	Evaporator approach temperature high	Warning	Fouled tubes; Low charge; Refrigerant distribution issue	Calculate approach temp
E26	Condenser approach temperature high	Warning	Fouled condenser; Non-condensables; Overcharge	Calculate approach temp
E27	Chiller staging error	Warning	Staging logic error; Capacity control mismatch; Lead/lag fault	Check staging config
E28	Energy efficiency alarm	Warning	Operating below expected efficiency; Approach temps high; Charge incorrect	Check kW/ton
E29	Compressor runtime exceeded	Warning	Compressor exceeded max runtime; Maintenance interval reached; Inspection required	Check runtime log
E30	Refrigerant level alarm	Warning	Level sensor indicating low; Refrigerant leak; Subcooling below expected	Check level sensor

Disclaimer: All fault code data is for reference only. Do not use this information to replace certified professional HVAC technician judgment. Always refer to original OEM official service manual.