

Daikin AGZ Fault Code Quick Reference

Daikin - AGZ fault codes | Model Type: Modular Scroll Chiller

Code	Alarm Description	Severity	Probable Causes	First Inspection Step
E1	Compressor high pressure protection	Critical	Condenser airflow insufficient; Non-condensables in system; Refrigerant overcharge	Verify condenser fan operation
E2	Compressor low pressure protection	Warning	Low refrigerant charge; Expansion valve malfunction; Evaporator water flow low	Check refrigerant charge
E3	Compressor motor overload	Critical	Motor current too high; Voltage imbalance; Mechanical overload	Measure motor current
E4	Compressor discharge temperature high	Warning	Compression ratio too high; Oil level low; Condenser not rejecting heat	Check discharge temperature
E5	Evaporator water flow fault	Warning	Water pump stopped; Flow switch malfunction; Strainer clogged	Verify pump operation
E6	Condenser water flow fault	Warning	Condenser pump stopped; Flow switch fault; Condenser tubes fouled	Verify condenser pump
E7	Evaporator water temperature low	Warning	Setpoint too low; Evaporator flow too low; Building load very low	Check setpoint
E8	Temperature sensor fault	Warning	Sensor element failure; Wiring open or shorted; Connector corrosion	Measure sensor resistance
E9	Communication fault	Warning	Network cable fault; Controller offline; Protocol mismatch	Check network cable
E10	Phase loss or reversal	Critical	Missing phase on power supply; Phase sequence incorrect; Blown fuse	Check all phases for voltage
E11	Overcurrent protection	Critical	Compressor motor overload; Short circuit in motor winding; Contactor welded closed	Measure motor current
E12	Oil pressure low	Critical	Oil pump failure; Oil filter clogged; Low oil charge	Check oil level
E13	Oil level low	Critical	Oil leak in system; Oil separator malfunction; Bearing wear	Check oil sight glass
E14	Expansion valve fault	Warning	Electronic expansion valve motor failure; Valve controller communication lost; Valve mechanically stuck	Check valve wiring
E15	Power supply fault	Warning	Voltage outside specification; Phase imbalance; Transformer failure	Measure power supply voltage
E16	Condenser fan motor overload	Critical	Fan motor bearing failure; Fan blade obstruction; Fan motor winding failure	Check fan motor current
E17	Evaporator fan motor overload	Critical	Evaporator fan motor bearing wear; Fan blade obstruction; Motor winding failure	Check fan motor current

Code	Alarm Description	Severity	Probable Causes	First Inspection Step
E18	Compressor contactor fault	Warning	Contactor coil failure; Contactor contacts welded or pitted; Mechanical binding of contactor	Check contactor coil voltage
E19	Expansion valve driver fault	Warning	Expansion valve driver board failure; Driver communication lost; Valve motor short circuit	Check driver board power supply
E20	Condenser coil temperature high	Warning	Condenser coil fouled; Insufficient airflow across condenser; High ambient temperature	Clean condenser coils
E21	Evaporator coil temperature low	Warning	Evaporator coil frosting; Low airflow across evaporator; Expansion valve overfeeding	Check evaporator airflow
E22	High discharge superheat	Warning	Refrigerant charge low; Expansion valve starving; Subcooling too low	Check subcooling and superheat
E23	Low discharge superheat	Warning	Expansion valve overfeeding; Refrigerant overcharge; Evaporator load very low	Check superheat value
E24	Oil separator fault	Warning	Oil separator float valve stuck; Oil separator return line blocked; Oil separator efficiency degraded	Check oil separator return line temperature
E25	Liquid line solenoid valve fault	Warning	Solenoid valve coil failure; Valve stuck open or closed; Wiring to solenoid damaged	Check solenoid coil resistance
E26	Hot gas bypass valve fault	Warning	Hot gas bypass valve actuator failure; Valve position sensor fault; Control circuit to valve damaged	Check valve actuator operation
E27	Crankcase heater fault	Warning	Crankcase heater element failure; Heater thermostat malfunction; Wiring to heater damaged	Check crankcase heater continuity
E28	Sight glass moisture indicator	Warning	Moisture detected in refrigerant system; Filter drier saturated; System leak allowing moisture ingress	Check sight glass moisture indicator color
E29	Water pump interlock fault	Warning	Water pump running signal lost; Pump auxiliary contact faulty; Interlock wiring damaged	Verify water pump is actually running
E30	Remote panel communication fault	Warning	Remote panel communication cable damaged; Remote panel power failure; Communication protocol mismatch	Check remote panel cable connections

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.