

Daikin EWAD Fault Code Quick Reference

Daikin - EWAD fault codes | Model Type: Screw Compressor Chiller

Code	Alarm Description	Severity	Probable Causes	First Inspection Step
U0	Refrigerant shortage detected	Warning	Refrigerant leak in system; Electronic expansion valve not opening properly; Low pressure sensor reading incorrectly	Perform leak test using electronic leak detector
U1	Three-phase power phase sequence error	Warning	Incoming power phase sequence reversed; Phase loss on one conductor; Wiring error during installation or maintenance	Check phase sequence with phase rotation tester
U2	Power voltage abnormality	Warning	Power supply voltage too high or too low; Momentary power outage or sag; Voltage drop from undersized conductors	Measure incoming voltage on all phases
U4	Indoor/outdoor communication abnormality	Warning	Communication cable between indoor and outdoor units damaged; Communication board failure; Electrical interference on communication line	Check communication cable continuity and connections
E0	Outdoor unit high temperature protection	Warning	Condenser coil fouled reducing heat rejection; Outdoor ambient temperature excessively high; Condenser fan motor not operating	Clean condenser coils thoroughly
E1	Circuit board failure	Warning	Control board component failure; Power surge damage to board; Board firmware corruption	Check board power supply voltage
E2	Outdoor coil temperature sensor fault	Warning	Sensor element failure; Sensor wiring open or shorted; Connector corrosion or loose contact	Measure sensor resistance at current temperature
E3	Compressor overload protection	Warning	Compressor motor drawing excessive current; Low supply voltage; Compressor mechanical overload	Measure compressor motor current
E4	Compressor discharge temperature abnormal	Warning	Discharge temperature too high from compression ratio; Compressor oil level low; Condenser not rejecting heat properly	Measure discharge temperature with calibrated probe
E5	Compressor oil temperature abnormal	Warning	Oil temperature too high from bearing friction; Oil cooler not functioning; Oil quality degraded	Check oil cooler operation and flow
E6	Compressor motor lock	Warning	Compressor mechanically seized; Bearing failure causing rotor lock; Foreign matter in compression chamber	Check compressor rotation by hand when powered off
E7	DC fan motor abnormality	Warning	DC fan motor winding failure; Fan motor driver circuit fault; Fan blade obstruction or damage	Check DC fan motor winding resistance
E8	AC input voltage abnormality	Warning	Incoming power voltage outside specification; Phase imbalance exceeding limits; Power factor correction issue	Measure AC input voltage on all phases
EE	Drainage system fault	Warning	Drain pan clogged with debris; Drain pump failure; Drain line blocked or frozen	Clean drain pan and remove debris

Code	Alarm Description	Severity	Probable Causes	First Inspection Step
H0	Temperature sensor fault	Warning	Temperature sensor element failure; Sensor wiring damaged; Multiple sensors reporting inconsistent readings	Identify which sensor is faulting from diagnostic
H1	High pressure switch activated	Critical	Discharge pressure exceeding safety limit; Condenser not rejecting heat adequately; Non-condensables in refrigerant system	Check condenser operation and cleanliness
H2	Low pressure switch activated	Warning	Suction pressure below safety threshold; Low refrigerant charge; Expansion valve not feeding adequately	Check refrigerant charge level
H3	Compressor oil level low	Critical	Oil lost through refrigerant leak; Oil separator not returning oil; Compressor bearing wear consuming oil	Check oil sight glass level
U3	Transmission fault (main to inverter)	Warning	Communication cable between main controller and inverter damaged; Inverter board power failure; Protocol mismatch	Check communication cable to inverter
U9	Inverter overload	Warning	Inverter output current exceeding rated value; Compressor motor overload; Short circuit in inverter output	Check inverter fault code
A0	Inverter compressor overcurrent	Critical	Compressor motor short circuit; Inverter power module failure; Excessive load on compressor	Check inverter fault diagnostic
A1	Inverter compressor overvoltage	Warning	DC bus voltage too high; Regenerative energy from compressor; Inverter braking resistor fault	Check DC bus voltage
A2	Inverter compressor undervoltage	Warning	DC bus voltage too low; Input voltage sag; Inverter capacitor degradation	Check input voltage to inverter
A3	Inverter compressor overheating	Warning	Inverter heatsink temperature too high; Cooling fan for inverter failed; Ambient temperature too high	Check inverter heatsink temperature
A4	Inverter compressor current imbalance	Warning	Compressor motor winding imbalance; Inverter output phase imbalance; Motor connection fault	Measure motor winding resistance on all phases
A5	Compressor discharge temperature too high (inverter)	Warning	Compression ratio too high; Refrigerant shortage; Condenser not rejecting heat	Check discharge temperature
A6	Inverter compressor lock	Critical	Compressor mechanically seized; Bearing failure; Foreign matter in compression chamber	Check compressor rotation by hand
A7	Inverter compressor start failure	Warning	Compressor motor cannot start; Inverter not providing sufficient starting torque; Safety device preventing start	Check all safety devices and interlocks
A8	Inverter communication error	Warning	Communication cable between inverter and main controller fault; Inverter controller offline; Electromagnetic interference on communication line	Check communication cable
A9	Compressor motor temperature sensor fault	Warning	Motor winding temperature sensor failure; Sensor wiring damaged; Sensor reading out of range	Identify which motor temp sensor is faulting

Code	Alarm Description	Severity	Probable Causes	First Inspection Step
L0	Inverter system abnormality	Warning	Multiple inverter faults active; Inverter control system failure; Inverter power circuit fault	Check all inverter fault codes
L1	Inverter PCB temperature sensor fault	Warning	Inverter board temperature sensor failure; Sensor wiring damaged; Board overheating condition	Check inverter board temperature sensor
L2	Inverter power supply abnormality	Warning	Inverter input voltage outside range; Phase imbalance on inverter input; Inverter input fuse blown	Measure inverter input voltage on all phases
L3	Inverter■■■■ overheat	Warning	Inverter heatsink temperature too high; Cooling fan for inverter failed; Ambient temperature too high	Check inverter heatsink temperature
L4	Inverter output short circuit	Warning	Short circuit detected on inverter output; Compressor motor winding short to ground; Output cable damaged	Check inverter output cables for short to ground
L5	Inverter ground fault	Warning	Ground fault detected on inverter output; Motor winding insulation breakdown to ground; Cable insulation damaged	Check for ground fault with megohmmeter
L6	Inverter output phase loss	Critical	One phase of inverter output missing; Output terminal loose or corroded; Inverter power module failure on one phase	Check inverter output voltage on all three phases

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.