

# Solenne Error Codes



ERROR CODE	PROBLEM	POSSIBLE CAUSE	REMEDY
E01	NO FLAME	WITH NO IGNITION a.NO GAS. b.IGNITION ELECTRODE BROKEN OR EARTHED. c.GAS VALVE MALFUNCTION d.MECHANICAL MINIMUM ADJUSTMENT (ON GAS VALVE) SET TOO LOW OR SLOW IGNITION ADJUSTMENT SET TOO LOW. e.GAS VALVE INLET PRESSURE TOO HIGH (FOR LPG BOILERS ONLY ); WITH IGNITION f. POWER SUPPLY LIVE AND NEUTRAL WIRES INVERTED. g. IONISATION ELECTRODE MALFUNCTION. h. IONISATION ELECTRODE CABLE DISCONNECTED. i. DIRTY GROUND (VOLTAGE AT NEUTRAL WIRE) j. NO BOND / FAULTY BOND	a.CHECK GAS SUPPLY. b.REPLACE PART. c.REPLACE PART d.REGULATE MECHANICAL MINIMUM OR SLOW IGNITION. e.CHECK THE MAXIMUM PRESSURE SETTING. f.CONNECT THE POWER SUPPLY WIRES CORRECTLY. g.REPLACE PART. h.CONNECT THE IONISATION ELECTRODE WIRE. i. CONSULT ELECTRICIAN j. INSTALL / CONNECT BOND WIRE
E02	SAFETY THERMOSTAT TRIPPED (195°F)  FAN PROVER DIAPHRAM SWITCH OPEN	a.THERMOSTAT MALFUNCTION OR OUT OF CALIBRATION. b.THERMOSTAT CABLE DISCONNECTED. c. AIR IN BOILER d. CIRCULATOR ON LOWER SPEED OR DEFECTIVE e. PLUGGED VENT SYSTEM f. HOSE TO PROVER KINKED OR FILLED WITH CONDENSATE g. FAN PROVER SWITCH DEFECTIVE h. WIRES LOOSE OR DISCONNECTED FROM PCB TO PROVER i. FAN PROVER WIRES DEFECTIVE	a.REPLACE PART. b.CHECK THE WIRING c. PURGE AIR FROM BOILER AND SYSTEM d. INCREASE SPEED SETTING OR REPLACE e. INSPECT AND CLEAR OBSTRUCTION f. REROUTE HOSE, EMPTY CONDENSATE g. REPLACE FAN PROVER SWITCH h. CHECK CONNECTIONS RESECURE TO TERMINALS i. REPLACE WIRES
E03	FLUE SAFETY THERMOSTAT	a.THERMOSTAT BROKEN; b.THERMOSTAT CABLE DISCONNECTED; c.THERMOSTAT LOCK OUT. (HIGH FLUE TEMPERATURE DIRTY HEAT EXCHANGER) d. LOW WATER FLOW THROUGH HEAT EXCHANGER	a.REPLACE PART; b.CHECK THE ELECTRICAL CONNECTION; c.RESTART AND CHECK THE THERMOSTAT (CHECK FLUE GAS TEMP MAX. IS 162 DEGREES F) d. CHECK CIRC SPEED
H20	NO WATER IN THE SYSTEM	a.INSUFFICIENT WATER PRESSURE IN THE SYSTEM (STOPS AT 4.35 psi). b.WATER PRESSURE SWITCH CABLE DISCONNECTED. c.WATER PRESSURE SWITCH MALFUNCTION.	a.FILL THE SYSTEM; b.CHECK THE WIRING; c.REPLACE PART;
E05	HEATING SENSOR	a.SENSOR MALFUNCTION OR OUT OF CALIBRATION (RESISTANCE VALUE 10 kOhms AT 77 °F). b.SENSOR CABLE DISCONNECTED OR WET.	a.REPLACE PART; b.CHECK THE ELECTRICAL CONNECTION;
E12	D.H.W STORAGE CYLINDER SENSOR	a.SENSOR MALFUNCTION OR INCORRECT (RESISTANCE VALUE 10 kOhms AT 77 °F). b.SENSOR CABLE DISCONNECTED OR WET.	a.REPLACE PART; b.CHECK THE ELECTRICAL CONNECTION ;
E16	FAN	a.DEFECTIVE FAN b.BLOWN FUSE IN IN-LINE FUSE HOLDER TO FAN CIRCUIT (2 AMP)	a.REPLACE PART b.REPLACE FUSE
E22	PARAMETER PROGRAMMING REQUEST	a.LOSS OF MICROPROCESSOR MEMORY;	a.REPROGRAM PARAMETERS;
E35	FLAME DETECTION MALFUNCTION	a.IONISATION ELECTRODE MALFUNCTION b.IONISATION ELECTRODE CABLE MALFUNCTION c. PRINTED CIRCUIT BOARD MALFUNCTION d. TRANSFORMER CABLE IS LOOSE	a.CLEAN IT OR REPLACE PART b.REPLACE PART c.REPLACE PART d. SECURE CONNECTION
E42	FAN PRINTED CIRCUIT BOARD	a.FAN PRINTED CIRCUIT BOARD MALFUNCTION	a.REPLACE PART