

EF Series 125-300k BTU Inputs - ICON HD Integrated Control

*All models with -895. For non -895, serial date code "XC" (March 2021) and prior**

Error Code	Definition	Service Action	Possible Parts Needed
4	Low flame sense signal	Check micro amps	1) Flame sensor 2) Control board
6	Flame sensed out of normal sequence	Verify if flame is present Inspect flame sensor/wire	1) Flame sensor 2) Control board
23	Flame detected before ignition	Verify if flame is present Verify blower turns off Inspect flame sensor/wire	1) Flame sensor 2) Control board
24	Flame detected after heating cycle	Verify if flame is present Is gas valve powered by 24V? Verify blower turns off Inspect flame sensor/wire	1) Flame sensor 2) Control board
26	Exhaust Collector Limit Switch Open	Verify if high temperature limit switch has opened Check for vent restriction Verify vent length is within specification Check for evidence of high temperature, if seen call Tech Support	1) High temperature limit switch
32	Temperature sensor fault	Measure resistance of temperature sensor	1) Temperature sensor 2) Control board
57	Spark rod shorted to ground	Check spark rod and wire	1) Spark rod
58	Power supply problem (line voltage)	Verify proper supply voltage, grounding, and polarity	1) None
59	Line voltage too low or high	Check voltage, verify dedicated circuit is being used	1) Transformer
61	DC voltage unstable	Verify transformer output is 22-27 Vac	1) Control board 2) Transformer
62	Ignition failure	Verify ignition sequence Clean spark rod Clean flame sensor	1) Burner 2) Spark rod 3) Control board
63	Ignition failure	Verify ignition sequence Clean spark rod Clean flame sensor	1) Burner 2) Spark rod 3) Control board
64	Electronics failure	Check all electrical connections Verify proper supply voltage, grounding, and polarity Eliminate/replace any components that are wet or damaged	1) Control board 2) Display 3) Flame sensor 4) Igniter
NOTE:	If there is no display, check primary/secondary voltage Before troubleshooting, always verify the following: Gas inlet pressure All wire connections are tight Static to dynamic gas pressure drop No grounded wires or missing grounds No vent restrictions No water leaks		

*If serial is at or near this date please contact Technical Support to verify control generation. Always check the manufacture date using the For The Pro® Contractor app or at bradfordwhite.com