Endura XE (EXE) PURE Control Alarm List

Applies to: PURE Control v4.5.2.0. Contact Fulton Technical Service for the alarm list associated with other software versions.

Index	Code	Name	Details	Troubleshooting
285	**1011**	Low Flow Warning	The system provided insufficient water flow to the boiler and the boiler successfully entered a protection mode	Verify pump operation and consider increasing flow rates for smoother operation
286	**1012**	BMS Communication Failure	Communication to the Building Management System (BMS) failed	Verify Modbus configuration, Protonode where used, heartbeat signal and wiring connection
287	**1016**	Outlet Sensor Error	Outlet temperature sensor signal error, this condition automatically clears when the error is resolved	Verify sensor wiring and connection to controller, refer to electrical schematics
288	**1017**	Inlet Sensor Error	Inlet temperature sensor signal error, this condition automatically clears when the error is resolved	Verify sensor wiring and connection to controller, refer to electrical schematics
289	**1018**	Combustion Air Sensor Error	Combustion air temperature sensor signal error, this condition automatically clears when the error is resolved	Verify sensor wiring and connection to controller, refer to electrical schematics
290	**1019**	Exhaust Sensor Error	Flue gas exhaust vent temperature sensor error, this condition automatically clears when the error is resolved	Verify sensor wiring and connection to controller, refer to electrical schematics
291	**1020**	System Supply Sensor Error	System supply header sensor error, boilers in Lead/Lag will revert to Local temperature controls until resolved	Verify sensor wiring and connection to controller, refer to electrical schematics
292	**1021**	Low Flow Event	The system provided insufficient water flow to the boiler, the boiler safely shut down to avert heat exchanger damage	Verify pump operation and consider increasing flow rates before restarting the boiler
293	**1022**	Battery Low Voltage	The controller battery voltage is low, the battery is required for proper functionality	Replace with new 3 Volt CR2032 battery
294	**1023**	Battery Dead or Missing	The controller battery has either run out of power or been removed, the battery is required for proper functionality	Replace with new 3 Volt CR2032 battery
295	**1024**	Air Switch Not Proven or Blocked Vent	Combustion blower Air Switch (AS) was not proven or the Blocked Exhaust Vent Switch (BES) tripped	Verify blower operation and inspect the venting, verify manifold, blower discharge and draft pressures with a manometer

296	**1025**	Low Water or High Condensate	The Low Water Cutoff (LWCO) or High Condensate circuit is not made to the Limit Control Input (LCI) on the flame safeguard	Inspect boiler water level and condensate drain, refer to electrical schematics and inspect each device in the LCI chain, reset LWCO
297	**1026**	Low Water	The Low Water Cutoff (LWCO) circuit is not made to the Limit Control Input (LCI) on the flame safeguard	Inspect boiler water level, refer to electrical schematics and inspect each device in the LCI chain, reset LWCO
298	**1027**	Reserved		
299	**1028**	Air Motor Position Lost	The air motor position was lost during run	Recycle power and re-home the motor, if error reoccurs contact your local Fulton service provider
300	**1029**	Gas Motor Position Lost	The gas motor position was lost during run	Recycle power and re-home the motor, if error reoccurs contact your local Fulton service provider
301	**1030**	Air Motor Homing Failed	The air motor homing process was not successfully completed	Recycle power and re-home the motor, if error reoccurs contact your local Fulton service provider
302	**1031**	Gas Motor Homing Failed	The gas motor homing process was not successfully completed	Recycle power and re-home the motor, if error reoccurs contact your local Fulton service provider
303	**1032**	Condensate Safety Not Detected	The blocked or high condensate level safety device is disconnected or missing	Verify safety device wiring and connection to controller, refer to electrical schematics
304	**1033**	Flame Safeguard Communication	Communication to Flame Safeguard failed	Verify Modbus connection to Flame Safeguard and controller and restart the system
305	**1034**	High Condensate Level	Condensate drain level is too high, this will automatically clear when the level drops	Inspect condensate drain piping and trap for blockage, adhere to minimum downward slope
306	**1035**	Air Switch Not Proven	Combustion blower Air Switch (AS) was not proven	Verify the combustion blower operation, verify manifold and fan discharge pressures with a manometer
307	**1036**	Blocked Combustion Air Inlet	Combustion air supply Blocked Inlet Switch (BIS) tripped	Inspect the combustion air inlet ducting and termination for obstructions such as debris, ice and water
308	**1037**	Air Valve Feedback Noise	Air valve motor potentiometer voltage feedback experienced high electrical interference	Verify air valve motor wiring and connection to controller, refer to electrical schematics

309	**1038**	Air Valve Drive Error	Air valve motor drive configuration switches are incorrectly configured	Verify air valve motor controller drive DIP switches are set to 3200 pulse per revolution
310	**1039**	Air Valve Voltage	Air valve motor voltage is outside of usable range (0-5 VDC)	Verify air valve motor wiring and connection to controller, verify voltage, refer to electrical schematics
311	**1040**	Air Valve Positive Over Travel	Air valve motor traveled above 91.0 degrees	Recycle power and re-home the motor, if error reoccurs contact your local Fulton service provider
312	**1041**	Air Valve Negative Over Travel	Air valve motor traveled below -15.0 degrees	Recycle power and re-home the motor, if error reoccurs contact your local Fulton service provider
313	**1042**	Air Valve Failed Movement	Air valve motor movement not detected when commanded	Check for obstructions inside the air valve, inspect electrical and mechanical connections
314	**1043**	Air Valve Setup Error	Air valve motor zero angle and ninety angle reference voltages conflict	Verify that the Ninety Angle voltage reference is greater than the Zero Angle voltage reference
315	**1044**	Reserved		
316	**1045**	Gas Valve Feedback Noise	Gas valve motor potentiometer voltage feedback experienced high electrical interference	Verify gas valve motor wiring and connection to controller, refer to electrical schematics
317	**1046**	Gas Valve Drive Error	Gas valve motor drive configuration switches are incorrectly set	Verify gas valve motor controller drive DIP switches are set to 3200 pulse per revolution
318	**1047**	Gas Valve Voltage	Gas valve motor voltage is outside of usable range (0-5 VDC)	Verify gas valve motor wiring and connection to controller, verify voltage, refer to electrical schematics
319	**1048**	Gas Valve Positive Over Travel	Gas valve motor traveled above 91.0 degrees	Recycle power and re-home the motor, if error reoccurs contact your local Fulton service provider
320	**1049**	Gas Valve Negative Over Travel	Gas valve motor traveled below -15.0 degrees	Recycle power and re-home the motor, if error reoccurs contact your local Fulton service provider
321	**1050**	Gas Valve Failed Movement	Gas valve motor did not move when commanded	Check for obstructions inside the gas valve, inspect electrical and mechanical connections

322	**1051**	Gas Valve Setup Error	Gas valve motor zero angle and ninety angle reference voltages conflict	Verify that the Ninety Angle voltage reference is greater than the Zero Angle voltage reference
323	**1052**	Reserved		
324	**1053**	Outlet Rate of Change Exceeded	Outlet temperature experienced a rapid increase, the boiler prevented an overshoot condition	Verify pump operation and consider increasing flow rates for smoother operation
325	**1054**	Reserved		
326	**1055**	Reserved		
327	**1056**	DHW Sensor Error	Domestic hot water (DHW) sensor error, sensor demand DHW Priority will not function while this error is present	Verify sensor wiring and connection to controller, refer to electrical schematics
328	**1057**	Boiler Soft Limit Active	Boiler outlet temperature is approaching a high limit condition, this condition is an alert only	Reduce boiler setpoint, increase pump flow rate, inspect boiler piping for obstructions
329	**1058**	Air Servo Com Error	Communication to the Air Servo failed	Verify air servo motor address is set to 2, verify wiring and connections to the motor and controller
330	**1059**	Gas Servo Com Error	Communication to the Gas Servo failed	Verify gas servo motor address is set to 3, verify wiring and connections to the motor and controller
331	**1060**	Undefined Motion Control	Unable to determine if the boiler is configured for Fireye servo or stepper motor motion control	Verify air and gas valve motor wiring, configuration and connection to controller, refer to electrical schematics
332	**1061**	Air Servo CPU Self-Check Error	Air servo motor internal CPU self-check error, Fireye code 1-7	Cycle power and repeat commanded position, if error reoccurs contact your local Fulton service provider
333	**1062**	Air Servo Movement Error	Air servo motor shaft is not moving as expected, Fireye code 8	Inspect shaft, coupling, and valve for binding, obstructions and proper lubrication, verify servo is not overheating
334	**1063**	Air Servo Voltage Error	Air servo motor internal voltage regulator self-check error, Fireye code 9-10	Cycle power and repeat commanded position, if error reoccurs contact your local Fulton service provider
335	**1064**	Air Servo Under Voltage	Air servo motor under voltage, below 21.6 VDC, Fireye code 11	Verify voltage at both the 24 VDC power supply and servo, inspect wiring and terminations

336	**1065**	Air Servo Over Voltage	Air servo motor over voltage, above 33.0 VDC, Fireye code 12	Verify voltage at both the 24 VDC power supply and servo, inspect wiring and terminations
337	**1066**	Air Servo Current Fault	Air servo motor internal current regulation fault, Fireye code 13-14	Cycle power and repeat commanded position, if error reoccurs contact your local Fulton service provider
338	**1067**	Gas Servo CPU Self-Check Error	Gas servo motor internal CPU self-check error, Fireye code 1-7	Cycle power and repeat commanded position, if error reoccurs contact your local Fulton service provider
339	**1068**	Gas Servo Movement Error	Gas servo motor shaft is not moving as expected, Fireye code 8	Inspect shaft, coupling, and valve for binding, obstructions and proper lubrication, verify servo is not overheating
340	**1069**	Gas Servo Voltage Error	Gas servo motor internal voltage regulator self-check error, Fireye code 9-10	Cycle power and repeat commanded position, if error reoccurs contact your local Fulton service provider
341	**1070**	Gas Servo Under Voltage	Gas servo motor under voltage, below 21.6 VDC, Fireye code 11	Verify voltage at both the 24 VDC power supply and servo, inspect wiring and terminations
342	**1071**	Gas Servo Over Voltage	Gas servo motor over voltage, above 33.0 VDC, Fireye code 12	Verify voltage at both the 24 VDC power supply and servo, inspect wiring and terminations
343	**1072**	Gas Servo Current Fault	Gas servo motor internal current regulation fault, Fireye code 13-14	Cycle power and repeat commanded position, if error reoccurs contact your local Fulton service provider
	1073	Reserved		
	1074	Reserved		
344	**1075**	VFD Auxiliary Input	VFD auxiliary input interlock is open	Check remote wiring, verify communication, if error reoccurs, contact your local Fulton service provider
345	**1076**	VFD Power Loss	VFD detected excessive DC bus voltage ripple	Monitor the incoming line for phase loss or line imbalance, check input line fuse
346	**1077**	VFD Undervoltage	VFD DC bus voltage fell below the minimum range	Verify voltage to the VFD, verify line power is not disrupted

347	**1078**	VFD Overvoltage	VFD DC bus voltage exceeded the maximum range	Verify voltage to the VFD, if error reoccurs contact your local Fulton service provider to extend motor deceleration timing
348	**1079**	VFD Motor Stalled	VFD is unable to accelerate the motor	Increase VFD parameters P109 and/or A402 or reduce load so VFD output current does not exceed the limit set by A441
349	**1080**	VFD Motor Overload	VFD internal electronic overload trip	Reduce load so VFD output does not exceed VFD parameter P103, verify A453 boost select setting
350	**1081**	VFD Heatsink Overtemperature	VFD heatsink temperature is above the maximum permitted	Inspect VFD for blocked or dirty vents, verify cooling fan operation, ensure electronics temperature does not exceed 40°C (104°F)
351	**1082**	VFD HW Overcurrent 300%	VFD output current has exceeded the hardware current limit	Check for excess load, verify VFD parameter A453 setting
352	**1083**	VFD Ground Fault	A current path to Earth ground has been detected at one or more of the VFD output terminals	Inspect motor and external wiring to the drive output terminals for a grounded connection
353	**1084**	VFD Analog Input Loss	Analog input signal to the VFD was lost	Verify analog input wiring with a multimeter, verify wiring connections
354	**1085**	VFD Auto Restart Tries	VFD unsuccessfully attempted to reset a fault and resume running	Verify VFD parameter A451, if error reoccurs contact your local Fulton service provider
355	**1086**	VFD Phase U to Ground Short	VFD detected a ground fault between the VFD and motor in phase U	Verify wiring between the VFD and motor, if error reoccurs contact your local Fulton service provider
356	**1087**	VFD Phase V to Ground Short	VFD detected a ground fault between the VFD and motor in phase V	Verify wiring between the VFD and motor, if error reoccurs contact your local Fulton service provider
357	**1088**	VFD Phase W to Ground Short	VFD detected a ground fault between the VFD and motor in phase W	Verify wiring between the VFD and motor, if error reoccurs contact your local Fulton service provider
358	**1089**	VFD Phase UV Short	VFD detected excess current between phase U and V	Inspect wiring between the VFD and motor for a shorted connection, if error reoccurs contact your local Fulton service provider

359	**1090**	VFD Phase UW Short	VFD detected excess current between phase U and W	Inspect wiring between the VFD and motor for a shorted connection, if error reoccurs contact your local Fulton service provider
360	**1091**	VFD Phase VW Short	VFD detected excess current between phase V and W	Inspect wiring between the VFD and motor for a shorted connection, if error reoccurs contact your local Fulton service provider
361	**1092**	VFD Software Overcurrent	VFD configured current trip has been exceeded	Verify motor load requirements and VFD parameter A448 setting
362	**1093**	VFD Drive Overload	VFD rating of 150% for 1 minute or 200% for 3 seconds has been exceeded	Reduce the load or extend the VFD acceleration time parameter P109 or A401
363	**1094**	VFD Power Unit Fail	VFD detected a failure in the power section	Inspect wiring and cycle power, if error reoccurs contact your local Fulton service provider
364	**1095**	VFD AutoTune Fail	VFD auto tune failure detected	Inspect wiring and cycle power, if error reoccurs contact your local Fulton service provider
365	**1096**	VFD Communication Loss	VFD detected a fault in the communication network	Inspect wiring and cycle power, verify network setting and status, if error reoccurs contact your local Fulton service provider
366	**1097**	VFD Parameter Checksum Error	VFD checksum read from the board does not match the checksum calculated	Set VFD parameter P112 to option 1 to reset to factory defaults, contact your local Fulton service provider to reconfigure the VFD
367	**1098**	VFD I/O Board Fail	VFD detected a failure in the drive control and I/O section	Inspect wiring and cycle power, if error reoccurs contact your local Fulton service provider
368	**1099**	Alarm Outside Parameters	Please contact your representative for information regarding this alarm, be sure to provide the LMV alarm code and diagnostic code.	Please contact your representative for information regarding this alarm, be sure to provide the LMV alarm code and diagnostic code.
369	**1100**	Power Failure Recovery	Electrical power was interrupted and was restored	If unexpected or unplanned, inspect electrical wiring

370	**1101**	Freeze Protection Stage 1	Freeze Protection Stage 1 has been activated. Boiler pump will turn on if selected and in automatic mode, or boiler valve will open if selected and in automatic mode.	This is not a fault condition, freeze protection stage 1 will disable when Outlet temperature meets or exceeds the stage 1 disable temperature
371	**1102**	Freeze Protection Stage 2	Freeze Protection Stage 2 has been activated. Boiler will run at low fire.	This is not a fault condition, freeze protection stage 2 will disable when the Outlet temperature meets or exceeds the stage 2 disable temperature
1	**12001**	Unconfirmed Flame Safeguard	Flame safeguard safety data is unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
2	**12002**	Flame Safeguard Verification	Waiting on safety data verification	Complete flame safeguard safety verification, authorized technician tools required
3	**12003**	Flame Safeguard Hardware Fault	Flame safeguard internal fault: Hardware fault	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
4	**12004**	Safety Relay Key Feedback Error	Flame safeguard internal fault: Safety relay key feedback error	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
5	**12005**	Unstable Power Output	Flame safeguard internal fault: Unstable power (DCDC) Output	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
6	**12006**	Invalid Processor Clock	Flame safeguard internal fault: Invalid processor clock	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
7	**12007**	Safety Relay Drive Error	Flame safeguard internal fault: Safety relay drive error	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
8	**12008**	Zero Crossing Not Detected	Flame safeguard internal fault: Zero crossing not detected	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
9	**12009**	Flame Bias Out of Range	Flame safeguard internal fault: Flame bias out of range	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
10	**12010**	Invalid Burner Control State	Flame safeguard internal fault: Invalid burner control state	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider

11	**12011**	Invalid Burner Control Flag	Flame safeguard internal fault: Invalid burner control state flag	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
12	**12012**	Safety Relay Drive Cap Short	Flame safeguard internal fault: Safety relay drive cap short	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
13	**12013**	PII Shorted to ILK	Flame safeguard internal fault: Preignition Interlock (PII) shorted to Interlock (ILK)	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
14	**12014**	HFS Shorted to LCI	Flame safeguard internal fault: High Fire Switch (HFS) shorted to Limit Control Input (LCI)	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
15	**12015**	Safety Relay Test Failed On	Flame safeguard internal fault: Safety relay test failed due to feedback on	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
16	**12016**	Safety Relay Test Failed Off	Flame safeguard internal fault: Safety relay test failed due to safety relay off	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
17	**12017**	Safety Relay Test Failed Not Off	Flame safeguard internal fault: Safety relay test failed due to safety relay not off	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
18	**12018**	Safety Relay Test Failed Not On	Flame safeguard internal fault: Safety relay test failed due to feedback not on	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
19	**12019**	Reserved		
20	**12020**	Flame Ripple And Overflow	Flame safeguard internal fault: Flame ripple and overflow	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
21	**12021**	Flame Samples Mismatch	Flame safeguard internal fault: Flame number of samples mismatch	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
22	**12022**	Flame Bias Out of Range	Flame safeguard internal fault: Flame bias out of range	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
23	**12023**	Bias Changed Since Cycle Start	Flame safeguard internal fault: Bias changed since heating cycle start	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider

24	**12024**	Spark Voltage Stuck	Flame safeguard internal fault: Spark voltage stuck low or high	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
25	**12025**	Spark Voltage Error	Flame safeguard internal fault: Spark voltage changed too much during flame sensing time	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
26	**12026**	Static Flame Ripple	Flame safeguard internal fault: Static flame ripple	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
27	**12027**	Flame Rod Short	Flame safeguard internal fault: Flame rod short to ground detected	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
28	**12028**	A/D Linearity Test Fail	Flame safeguard internal fault: Analog-to-Digital (A/D) linearity test fail	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
29	**12029**	Flame Bias Range	Flame safeguard internal fault: Flame bias cannot be set in range	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
30	**12030**	Flame Bias Shorted	Flame safeguard internal fault: Flame bias shorted to adjacent pin	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
31	**12031**	Safeguard Electronics Error	Flame safeguard internal fault: Electronics unknown error	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
32	**12032**	Reserved		
33	**12033**	Reserved		
34	**12034**	Reserved		
35	**12035**	Reserved		
36	**12036**	Reserved		
37	**12037**	Reserved		
38	**12038**	Reserved		
39	**12039**	Reserved		
40	**12040**	Reserved		
41	**12041**	Reserved		
42	**12042**	Reserved		
43	**12043**	Reserved		
44	**12044**	Reserved		

45	**12045**	Reserved		
46	**12046**	Reserved		
47	**12047**	Flame Rod To Ground Leakage	Flame rod signal leaking to ground	Inspect the flame rod for wear, inspect flame rod wire jacketing and terminations
48	**12048**	Static Flame Not Flickering	Flame rod signal is measuring a static flame	Inspect the flame rod position to the burner, inspect flame rod wire jacketing and terminations
49	**12049**	24 VAC Voltage Out of Range	24 VAC voltage supplied to the flame safeguard is too low or high	Verify flame safeguard power connections, frequency and voltage meet specifications
50	**12050**	Modulation Fault	The flame safeguard detected a modulation fault	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
51	**12051**	Pump Contact Fault	The flame safeguard detected a pump contact fault	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
52	**12052**	Motor Tachometer Fault	The flame safeguard detected a motor tachometer fault	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
53	**12053**	AC Input Phase Reversed	The flame safeguard detected reversed AC input phase	Verify frequency, voltage and flame safeguard power wiring, for 24 VAC verify J4-10 and J8-2 are connected
54	**12054**	Reserved		
55	**12055**	Reserved		
56	**12056**	Reserved		
57	**12057**	Reserved		
58	**12058**	Reserved		
59	**12059**	Reserved		
60	**12060**	Reserved		
61	**12061**	Anti Short Cycle	Anti Short Cycle prevents excessive wear, it is not a lockout condition, will clear once satisfied	Please standby while condition automatically clears
62	**12062**	Fan Speed Not Proven	Fan Speed Not Proven is a normal condition during non-flame transitions, will clear once satisfied	Please standby while condition automatically clears
63	**12063**	Flame Safeguard LCI Off	Flame safeguard Limit Control Input (LCI) input is not made	Verify voltage at each device in the LCI circuit to pin J6.3 on the flame safeguard, refer to the electrical diagram

64	**12064**	Flame Safeguard PII Off	Flame safeguard Preignition Interlock (PII) is not made	Verify functionality of PII devices, check valve operation, reset the flame safeguard
65	**12065**	Air Switch Not Proven	Air flow switch not proven when expected	Verify wiring, manifold pressure and air switch setting, if fault repeats contact your local Fulton service provider
66	**12066**	Air Switch Out of Sequence	Air flow detected out of sequence	Verify wiring and air switch setting, if fault repeats contact technical service
67	**12067**	Flame Safeguard ILK Off	Flame safeguard Interlock (ILK) circuit is not made	Verify voltage at each device in the ILK circuit to pin J5.1 on the flame safeguard, refer to the electrical diagram
68	**12068**	Flame Safeguard ILK On	Flame safeguard Interlock (ILK) circuit detected out of sequence	Verify voltage at each device in the ILK circuit to pin J5.1 on the flame safeguard, refer to the electrical diagram
69	**12069**	Pilot Test Hold	Pilot Test Hold is not a lockout condition, will clear once satisfied	Verify Pilot Test Hold setting is set to Run, authorized technician tools required
70	**12070**	Waiting For Leakage Test	Flame safeguard internal fault: Waiting for completion of leakage test	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
71	**12071**	Reserved		
72	**12072**	Reserved		
73	**12073**	Reserved		
74	**12074**	Reserved		
75	**12075**	Reserved		
76	**12076**	Reserved		
77	**12077**	Reserved		
78	**12078**	Reserved		
79	**12079**	High Limit Manual Reset	Boiler outlet temperature exceeds maximum safety limit	Decrease setpoint temperature, increase water flow rate, reset the flame safeguard
80	**12080**	Domestic Hot Water High Limit	Domestic hot water supply temperature exceeds maximum safety limit	Decrease setpoint temperature, inspect wiring and sensor, reset the flame safeguard
81	**12081**	Delta-T Limit	Maximum delta-T of the boiler is exceeded	Increase the water flow rate through the boiler, consider increasing flow rate, reset the flame safeguard

82	**12082**	Flue Gas Vent Temperature Limit	Maximum flue gas exhaust vent temperature is exceeded	Inspect heat exchanger surfaces, verify combustion settings, if fault repeats contact your local Fulton service provider
83	**12083**	Reserved		
84	**12084**	Reserved		
85	**12085**	Reserved		
86	**12086**	Reserved		
87	**12087**	Reserved		
88	**12088**	Reserved		
89	**12089**	Reserved		
90	**12090**	Reserved		
91	**12091**	Inlet Sensor Signal Fault	The boiler inlet (return) water temperature sensor signal has faulted	Inspect boiler inlet sensor wiring and terminations, if fault repeats replace the sensor
92	**12092**	Outlet Sensor Signal Fault	The boiler outlet (supply) water temperature sensor signal has faulted	Inspect boiler outlet sensor wiring and terminations, if fault repeats replace the sensor
93	**12093**	DHW Sensor Signal Fault	The domestic hot water (DHW) temperature sensor signal has faulted	Inspect DHW sensor wiring and terminations, if fault repeats replace the sensor
94	**12094**	Supply Header Sensor Signal Fault	The supply header temperature sensor signal has faulted	Inspect supply header sensor wiring and terminations, if fault repeats replace the sensor
95	**12095**	Exhaust Sensor Signal Fault	The flue gas exhaust vent temperature sensor signal has faulted	Inspect exhaust sensor wiring and terminations, if fault repeats replace the sensor
96	**12096**	Outdoor Air Sensor Signal Fault	The outdoor air temperature (OAT) sensor signal has faulted	Inspect OAT sensor wiring and terminations, if fault repeats replace the sensor
97	**12097**	Reserved		
98	**12098**	Reserved		
99	**12099**	Reserved		
100	**12100**	Reserved		
101	**12101**	Reserved		
102	**12102**	Reserved		
103	**12103**	Reserved		

104	**12104**	Reserved		
105	**12105**	Flame Detected Out of Sequence	Burner flame was detected out of sequence	Verify flame is not present, inspect flame rod wiring and terminations, inspect for sources of electrical interference
106	**12106**	Flame Lost in Establishment	Flame lost during main flame establishment phase	Verify ignitor and flame rod, verify gas pressure, verify manifold and fan pressures, verify combustion parameters
107	**12107**	Flame Lost in Early Run	Flame lost during early run of main burner flame	Verify ignitor and flame rod, verify gas pressure, verify manifold and fan pressures, verify combustion parameters
108	**12108**	Flame Lost in Run	Flame lost during run of main burner flame	Verify flame rod, verify gas pressure, verify manifold and fan pressures, verify combustion parameters
109	**12109**	Ignition Failed	Attempted ignition failed	Verify ignitor and flame rod, verify gas pressure, verify manifold and fan pressures, verify combustion parameters
110	**12110**	Ignition Failure	Not a lockout condition, will clear once satisfied	Please standby while condition automatically clears
111	**12111**	Reserved		
112	**12112**	Pilot Test Flame Timeout	Interrupted pilot or direct spark ignition application and flame lost when system is in "test" mode	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
113	**12113**	Flame Circuit Timeout	Not a lockout condition, will clear once satisfied	Please standby while condition automatically clears
114	**12114**	Reserved		
115	**12115**	Reserved		
116	**12116**	Reserved		
117	**12117**	Reserved		
118	**12118**	Reserved		
119	**12119**	Reserved		
120	**12120**	Reserved		
121	**12121**	Reserved		
122	**12122**	Lightoff Blower Proving Fault	Blower speed was out of range during lightoff	Verify wiring and inspect for obstructions in the exhaust or intake
123	**12123**	Purge Blower Proving Fault	Blower speed was out of range during purge	Verify wiring and inspect for obstructions in the exhaust or intake
124	**12124**	Reserved		

125	**12125**	Reserved		
126	**12126**	Reserved		
127	**12127**	Reserved		
128	**12128**	Prepurge Blower Proving Fault	Blower speed was out of range during purge	Verify wiring and inspect for obstructions in the exhaust or intake
129	**12129**	Preignition Blower Proving Fault	Blower speed was out of range during preignition	Verify wiring and inspect for obstructions in the exhaust or intake
130	**12130**	Ignition Blower Proving Fault	Blower speed was out of range during ignition	Verify wiring and inspect for obstructions in the exhaust or intake
131	**12131**	Blower Detected During Standby	Blower movement was detected during standby	Inspect blower signal wiring and terminations
132	**12132**	Blower Speed Fault During Run	Blower speed fault during run	Inspect blower signal wiring and terminations
133	**12133**	Reserved		
134	**12134**	Reserved		
135	**12135**	Reserved		
136	**12136**	Air Switch Failed to Close	Flame safeguard Interrupted Air Switch (IAS) input failed to close	Verify wiring and function of the air switch, verify voltage to the flame safeguard IAS J6-2 input pin
137	**12137**	ILK Failed to Close	Flame safeguard Interlock (ILK) input failed to close	Verify wiring and function of devices in the ILK circuit, verify voltage to the flame safeguard ILK J5-1 input pin
138	**12138**	Reserved		
139	**12139**	Reserved		
140	**12140**	Reserved		
141	**12141**	Reserved		
142	**12142**	Reserved		
143	**12143**	Reserved		
144	**12144**	Reserved		
145	**12145**	Reserved		
146	**12146**	Reserved		
147	**12147**	Reserved		
148	**12148**	Reserved		
149	**12149**	Flame Signal Detected	Flame signal was detected out of sequence	Verify flame rod integrity, inspect flame rod wiring and terminations, inspect for sources of electrical interference

150	**12150**	Flame Signal Not Detected	Flame signal was not detected when expected	Verify flame rod integrity, inspect flame rod wiring and terminations, inspect for sources of electrical interference
151	**12151**	Blocked Intake Out of Sequence	The blocked combustion air intake switch was detected out of sequence	Verify operation and setting of the blocked intake switch, inspect wiring and terminations
152	**12152**	Combustion Pressure On	Combustion pressure switch on out of sequence	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
153	**12153**	Combustion Pressure Off	Combustion pressure switch off out of sequence	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
154	**12154**	Purge Fan Switch On	Purge fan switch on out of sequence	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
155	**12155**	Purge Fan Switch Off	Purge fan switch off out of sequence	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
156	**12156**	Combustion Pressure Flame On	Combustion pressure was detected when the flame was on	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
157	**12157**	Combustion Pressure Flame Off	Combustion pressure was detected when the flame was off	Reset the flame safeguard, if fault repeats contact your local Fulton service provider
158	**12158**	Main Gas Valve On	Gas valve energized out of sequence	Verify wiring and main gas valve(s) device operation and reset the flame safeguard
159	**12159**	Main Gas Valve Off	Gas valve not energized when expected	Verify wiring and main gas valve(s) device operation and reset the flame safeguard
160	**12160**	Ignition On	Ignition energized out of sequence	Verify wiring and ignition device operation and reset the flame safeguard
161	**12161**	Ignition Off	Ignition not energized when expected	Verify wiring and ignition device operation and reset the flame safeguard
162	**12162**	Pilot Valve On	Pilot valve energized out of sequence	Verify wiring and pilot gas valve(s) device operation and reset the flame safeguard
163	**12163**	Pilot Valve Off	Pilot valve not energized when expected	Verify wiring and pilot gas valve(s) device operation and reset the flame safeguard

164	**12164**	Interlock On Out of Sequence	Gas pressure switch, customer interlock, or ignition device energized out of sequence	Verify wiring and each device operation and reset the flame safeguard
165	**12165**	Interlock Off Out of Sequence	Gas pressure switch, customer interlock, or combustion pressure device not energized when expected	Verify wiring and each device operation and reset the flame safeguard
166	**12166**	Reserved		
167	**12167**	Reserved		
168	**12168**	Reserved		
169	**12169**	Safety Opto Fault	Flame safeguard internal fault: Safety opto-coupler bad in test state	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
170	**12170**	Safety Opto Feedback	Flame safeguard internal fault: Safety opto-coupler feedback incorrect	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
171	**12171**	Safety Relay Incorrect in Run	Flame safeguard internal fault: Safety relay feedback incorrect in run	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
172	**12172**	Main Relay Feedback Fault	Flame safeguard internal fault: Main relay feedback	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
173	**12173**	Pilot Relay Feedback Fault	Flame safeguard internal fault: Pilot relay feedback	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
174	**12174**	Safety Relay Feedback Fault	Flame safeguard internal fault: Safety relay feedback	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
175	**12175**	Safety Relay Open	Flame safeguard internal fault: Safety relay open	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
176	**12176**	Main Relay Start Check Fault	Flame safeguard internal fault: Main relay on at safe start check	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
177	**12177**	Pilot Relay Start Check Fault	Flame safeguard internal fault: Pilot relay on at safe start check	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
178	**12178**	Safety Relay Start Check Fault	Flame safeguard internal fault: Safety relay on at safe start check	Power cycle or reset the flame safeguard, if fault repeats contact your local Fulton service provider
179	**12179**	Reserved		

180	**12180**	Reserved		
181	**12181**	Reserved		
182	**12182**	Reserved		
183	**12183**	Reserved		
184	**12184**	Invalid Blower/HSI Setting	Flame safeguard "BLOWER/HSI" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
185	**12185**	Invalid Delta-T Enable Setting	Flame safeguard "Delta-T Limit Enable" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
186	**12186**	Invalid Delta-T Response Setting	Flame safeguard "Delta-T Limit Response" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
187	**12187**	Invalid DHW HL Enable Setting	Flame safeguard "DHW High Limit Enable" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
188	**12188**	Invalid DHW HL Response Setting	Flame safeguard "DHW High Limit Response" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
189	**12189**	Invalid Flame Sensor Setting	Flame safeguard "Flame Sensor Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
190	**12190**	Invalid IAS Enable Setting	Flame safeguard "Interrupted Air Switch Enable" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
191	**12191**	Invalid IAS Start Check Setting	Flame safeguard "Interrupted Air Switch Start Check Enable" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
192	**12192**	Invalid Igniter On During Setting	Flame safeguard "Igniter On During" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
193	**12193**	Invalid Ignite Delay Setting	Flame safeguard "Ignite Failure Delay" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
194	**12194**	Invalid Ignite Response Setting	Flame safeguard "Ignite Failure Response" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required

195	**12195**	Invalid Ignite Retries Setting	Flame safeguard "Ignite Failure Retries" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
196	**12196**	Invalid Ignition Source Setting	Flame safeguard "Ignition Source" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
197	**12197**	Invalid Interlock Response Setting	Flame safeguard "Interlock Open Response" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
198	**12198**	Invalid Interlock Check Setting	Flame safeguard "Interlock Start Check" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
199	**12199**	Invalid LCI Enable Setting	Flame safeguard "LCI Enable" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
200	**12200**	Invalid Lightoff Rate Setting	Flame safeguard "Lightoff Rate" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
201	**12201**	Invalid Lightoff Proving Setting	Flame safeguard "Lightoff Proving" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
202	**12202**	Invalid MFEP Time Setting	Flame safeguard "Main Flame Establishing Period Time" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
203	**12203**	Invalid MFEP Response Setting	Flame safeguard "Main Flame Establishing Period Flame Failure Response" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
204	**12204**	Invalid NTC Type Setting	Flame safeguard "NTC Sensor Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
205	**12205**	Invalid OHL Response Setting	Flame safeguard "Outlet High Limit" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
206	**12206**	Invalid PFEP Setting	Flame safeguard "Pilot Flame Establishing Period" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required

207	**12207**	Invalid PII Enable Setting	Flame safeguard "PII Enable" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
208	**12208**	Invalid Pilot Test Hold Setting	Flame safeguard "Pilot Test Hold" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
209	**12209**	Invalid Pilot Type Setting	Flame safeguard "Pilot Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
210	**12210**	Invalid Postpurge Time Setting	Flame safeguard "Postpurge Time" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
211	**12211**	Invalid Power Up Lockout Setting	Flame safeguard "Power Up With Lockout" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
212	**12212**	Invalid Preignition Time Setting	Flame safeguard "Preignition Time" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
213	**12213**	Invalid Prepurge Rate Setting	Flame safeguard "Prepurge Rate" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
214	**12214**	Invalid Prepurge Time Setting	Flame safeguard "Prepurge Time" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
215	**12215**	Invalid Purge Proving Setting	Flame safeguard "Purge Rate Proving" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
216	**12216**	Invalid Flame Failure Setting	Flame safeguard "Run Flame Failure Response" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
217	**12217**	Invalid Run Stabilization Setting	Flame safeguard "Run Stabilization Time" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
218	**12218**	Invalid Stack Enable Setting	Flame safeguard "Stack Limit Enable" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required

219	**12219**	Invalid Stack Response Setting	Flame safeguard "Stack Limit Response" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
220	**12220**	Unconfigured Delta T Limit Setting	Flame safeguard "Delta T Limit Setpoint" setting is not configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
221	**12221**	Unconfigured DHW HL Setting	Flame safeguard "DHW High Limit Setpoint" setting is not configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
222	**12222**	Unconfigured OHL Setpoint Setting	Flame safeguard "Outlet High Limit Setpoint" setting is not configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
223	**12223**	Unconfigured Stack Limit Setting	Flame safeguard "Stack Limit Setpoint" setting is not configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
224	**12224**	Invalid DHW Demand Setting	Flame safeguard "DHW Demand Source" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
225	**12225**	Invalid Flame Threshold Setting	Flame safeguard "Flame Threshold" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
226	**12226**	Invalid OHL Setpoint Setting	Flame safeguard "Outlet High Limit Setpoint" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
227	**12227**	Invalid DHW HL Setpoint Setting	Flame safeguard "DHW High Limit Setpoint" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
228	**12228**	Invalid Stack Limit Setpoint Setting	Flame safeguard "Stack Limit Setpoint" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
229	**12229**	Invalid Modulation Output Setting	Flame safeguard "Modulation Output" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
230	**12230**	Invalid CH Demand Source Setting	Flame safeguard "CH Demand Source" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required

231	**12231**	Invalid Delta T Limit Delay Setting	Flame safeguard "Delta T Time Delay" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
232	**12232**	Invalid Pressure Sensor Setting	Flame safeguard "Pressure Sensor Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
233	**12233**	Invalid IAS Closed Setting	Flame safeguard "IAS Closed Response" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
234	**12234**	Invalid Outlet HL Enable Setting	Flame safeguard "Outlet High Limit Enable" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
235	**12235**	Invalid Outlet Connector Setting	Flame safeguard "Outlet Connector Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
236	**12236**	Invalid Inlet Connector Setting	Flame safeguard "Inlet Connector Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
237	**12237**	Invalid DHW Connector Setting	Flame safeguard "DHW Connector Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
238	**12238**	Invalid Stack Connector Setting	Flame safeguard "Stack Connector Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
239	**12239**	Invalid S2 Connector Setting	Flame safeguard "Invalid S2 (J8-6) Connector Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
240	**12240**	Invalid S5 Connector Setting	Flame safeguard "Invalid S5 (J8-11) Connector Type" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
241	**12241**	Exchanger Sensor Not Allowed	Flame safeguard exchanger sensor is not allowed with stack connector setting	Program flame safeguard configuration and complete safety verification, authorized technician tools required
242	**12242**	Invalid DHW Detect Setting	Flame safeguard domestic hot water "DHW Auto Detect" setting is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required

243	**12243**	Invalid UV Compatibility	UV with spark interference not compatible with ignitor on during pilot flame establishing period	Program flame safeguard configuration and complete safety verification, authorized technician tools required
244	**12244**	Safety Relay Test State	Flame safeguard internal fault: Safety relay test invalid state	Program flame safeguard configuration and complete safety verification, authorized technician tools required
245	**12245**	Invalid Outlet T-Rise Setting	Flame safeguard "Outlet Connector Type" setting for T-rise is not properly configured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
246	**12246**	4-20mA Input Method Error	Flame safeguard 4-20mA input signal cannot be used for both modulation and setpoint control	Verify wiring and flame safeguard configuration for remote setpoint input
247	**12247**	Invalid ILK Bounce Detection	Flame safeguard reported invalid Interlock (ILK) bounce detection enable	Program flame safeguard configuration and complete safety verification, authorized technician tools required
248	**12248**	Invalid Forced Recycle Setting	Flame safeguard reported invalid forced recycle interval	Program flame safeguard configuration and complete safety verification, authorized technician tools required
249	**12249**	Remote Stat Enable Error	Flame safeguard STAT cannot be demand source when Remote Stat is enabled	Program flame safeguard configuration and complete safety verification, authorized technician tools required
250	**12250**	Invalid Fan Speed Error Response	Fan speed error is invalid	Program flame safeguard configuration and complete safety verification, authorized technician tools required
251	**12251**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
252	**12252**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
253	**12253**	Reserved		
254	**12254**	Reserved		
255	**12255**	Reserved		
256	**12256**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
257	**12257**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required

258	**12258**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
259	**12259**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
260	**12260**	Flap Switch Input Energized	Asymmetrical Paired is set but flap switch input is energized	Power cycle and reset the flame safeguard, if fault repeats contact your local Fulton service provider
261	**12261**	Reserved		
262	**12262**	Reserved		
263	**12263**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
264	**12264**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
265	**12265**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
266	**12266**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
267	**12267**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
268	**12268**	General Alarm	An alarm event unrelated to the flame safeguard has occurred	Reset the alarm from the boiler controller, if fault repeats contact your local Fulton service provider
269	**12269**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
270	**12270**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
271	**12271**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required

272	**12272**	Reserved		
273	**12273**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
274	**12274**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
275	**12275**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
276	**12276**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
277	**12277**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
278	**12278**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
279	**12279**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
280	**12280**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
281	**12281**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
282	**12282**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
283	**12283**	Invalid or Unconfigured Setting	An unknown flame safeguard setting is invalid or unconfigured	Program flame safeguard configuration and complete safety verification, authorized technician tools required
284	**12284**	Configuration Error	Configuration lost and reverted to default.	Replace flame safeguard