

Technical Service Bulletin 040320

Fault Descriptors: IOX/DCX

The IOX-DCX HPA controller reports code numbers associated with various fault types in the alarm messages displayed on its LCD screen. These code numbers are redundant since the fault type is also identified in plain English. This bulletin provides a reference table of the fault ID codes for the IOX-DCX HPA controller.

Fault #	Fault Name/Description
0	Filament Voltage
1	Filament Current
2	Grid Bias Current
3	Grid Bias Voltage
4	Ion Pump Current
5	Ion Pump Voltage
6	Beam Current
7	Beam Voltage
8	Body Current
9	Focus Current
10	Drive Power
11	Forward Power
12	Reverse Power
13	Arc Detector 1
14	Arc Detector 2
15	Crowbar Ready
16	Crowbar Triggered
17	Crowbar Fired
18	Three Phase Power
19	Collector Thermostat

Fault #	Fault Name/Description
20	Cabinet Interlock
21	Ground Probe Interlock
22	Collector Cooling Flow
23	Cabinet Air Flow
24	Cavity Air Flow
25	Hi V Soft Start
26	Arc Detector Interlock
27	Fiber-Optic Loop
28	Filament Timeout
29	Filament Lockout
30	Filament Standby
31	Arc Detector Test
32	Body Current Test
33	HPA Started
34	HPA Normal
35	Crowbar Test
36	RF System
37	Exciter Output Relay
38	HV Contactor
NA	Fwd, Rev, or Drive Meter Offset Null

At Comark, we are constantly striving to improve the satisfaction of both our new and existing customers. Please do not hesitate to contact Comark Customer Service with any questions you may have concerning the contents of this service bulletin.

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