

Systems Integration

APOGEE[®] Open Processor with Airflow Dataguard Driver: Drycell Series

Table 1. Drycell Series, Analog Points.

Point	Type	Description	Range/Units
02	LAI	Reactivation Temperature	—
03	LAI	Auxiliary 1 Temperature	—
04	LAI	Auxiliary 2 Temperature	—
05	LAI	Humidity	—
12	LAO	Reactivation Temperature High Alarm Set Point	°F
13	LAO	Auxiliary 1 Temperature High Alarm Set Point	°F
14	LAO	Auxiliary 2 Temperature High Alarm Set Point	°F
15	LAO	Humidity High Alarm Set Point	—
22	LAO	Reactivation Temperature Low Alarm Set Point	°F
23	LAO	Auxiliary 1 Temperature Low Alarm Set Point	°F
24	LAO	Auxiliary 2 Temperature Low Alarm Set Point	°F
25	LAO	Humidity Low Alarm Set Point	—
30	LAO	Humidity Set Point	—
31	LAO	Humidity Band	—
32	LAO	Humidity Integral	—
33	LAO	Reactivation Set Point	—
34	LAO	Reactivation Band	—
35	LAO	Reactivation Integral	—
36	LAO	Auxiliary 1 Loop Set Point	—
37	LAO	Auxiliary 1 Loop Band	—
38	LAO	Auxiliary 1 Loop Integral	—
39	LAO	Auxiliary 2 Loop Set Point	—
40	LAO	Auxiliary 2 Loop Band	—

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Table 1. Drycell Series, Analog Points.

Point	Type	Description	Range/Units
41	LAO	Auxiliary 2 Loop Integral	—
96	LAI	Total Failed Commands	—
97	LAI	Last Failed Command Point	—
98	LAI	Last Failed Command Drop	—
99	LDI	Communication Failure	Normal/Failure

Table 2. Drycell Series, Integer Points.

Point	Type	Description	Range/Units
01	LAI	Model Number	—
02	LAI	Version Number	—
03	LAI	Version Integer Portion	—
10	LAI	Process Blower Run Hours, Low Bit	Hrs
11	LAI	Process Blower Run Hours, High Bit	Hrs
12	LAI	Reaction Blower Run Hours, Low Bit	Hrs
13	LAI	Reaction Blower Run Hours, High Bit	Hrs
14	LAI	Wheel Run Hours, Low Bit	Hrs
15	LAI	Wheel Run Hours, High Bit	Hrs
41	LAI	Reactivation Output	0 – 100%
42	LAI	Auxiliary 1 Output	0 – 100%
43	LAI	Auxiliary 2 Output	0 – 100%
99	LAO	Airflow Alarm Reset	See Table 3

Table 3. Alarm Reset (Integer Points, Point 99).

Value	Description
01	Reactivation Airflow Alarm
02	Process Filter Clogged Alarm
03	Reactivation Filter Clogged Alarm
04	Reactivation Manual Reset Alarm
05	Auxiliary Loop 1 Fault 1 Alarm

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Table 3. Alarm Reset (Integer Points, Point 99).

06	Auxiliary Loop 2 Fault 1 Alarm
09	Wheel Rotation Fault Alarm
10	Auxiliary Loop 1 Fault 2 Alarm
11	Auxiliary Loop 2 Fault 2 Alarm
12	Process Temperature Alarm
13	Reactivation Temperature Alarm
14	Auxiliary 1 Temperature Alarm
15	Auxiliary 2 Temperature Alarm
16	Humidity Alarm
20	Power Loss Alarm

Table 4. Drycell Series, Digital Points.

Point	Type	Description	Range/Units
01	LDO	Celsius Units	English/Celsius
02	LDO	Start Units	Stop/Start
03	LDI	Process Purging Enabled	Disabled/Enabled
04	LDI	Reactivation Purging Enabled	Disabled/Enabled
05	LDI	Wheel Purging Enabled	Disabled/Enabled
09	LDO	Alarm Reset (See Table 3)	No/Yes
10	LDI	Process Airflow Alarm	Normal/Alarm
11	LDI	Reactivation Airflow Alarm	Normal/Alarm
12	LDI	Process Filter Clogged Alarm	Normal/Alarm
13	LDI	Reactivation Filter Clogged Alarm	Normal/Alarm
14	LDI	Reactivation Manual Reset Alarm	Normal/Alarm
15	LDI	Auxiliary Loop 1 Fault 1 Alarm	Normal/Alarm
16	LDI	Auxiliary Loop 2 Fault 1 Alarm	Normal/Alarm
17	LDI	Humidistat Input	Normal/Alarm
18	LDI	Remote Start Input	Normal/Alarm
19	LDI	Wheel Rotation Fault Alarm	Normal/Alarm
20	LDI	Auxiliary Loop 1 Fault 2 Alarm	Normal/Alarm
21	LDI	Auxiliary Loop 2 Fault 2 Alarm	Normal/Alarm
22	LDI	Reactivation Temperature High Alarm	Normal/Alarm

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Table 4. Drycell Series, Digital Points.

Point	Type	Description	Range/Units
23	LDI	Reactivation Temperature Low Alarm	Normal/Alarm
24	LDI	Auxiliary 1 Temperature High Alarm	Normal/Alarm
25	LDI	Auxiliary 1 Temperature Low Alarm	Normal/Alarm
26	LDI	Auxiliary 2 Temperature High Alarm	Normal/Alarm
27	LDI	Auxiliary 2 Temperature Low Alarm	Normal/Alarm
30	LDI	Humidity High Alarm	Normal/Alarm
31	LDI	Humidity Low Alarm	Normal/Alarm
38	LDI	Power Loss Alarm	Normal/Alarm
39	LDI	Process Blower	Off/On
40	LDI	Reaction Blower	Off/On
41	LDI	Wheel	Off/On
42	LDI	Heat 2	Off/On
43	LDI	Heat 3	Off/On
44	LDI	Heat 4	Off/On
45	LDI	Auxiliary 1 Stage 2	Off/On
46	LDI	Auxiliary 2 Stage 2	Off/On
47	LDI	Auxiliary 1 Stage 1	Off/On
48	LDI	Auxiliary 2 Stage 1	Off/On
49	LDI	Common Alarm	Normal/Alarm
50	LDO	Process Airflow Alarm Enable	Disable/Enable
51	LDO	Reactivation Airflow Alarm Enable	Disable/Enable
52	LDO	Process Filter Clogged Alarm Enable	Disable/Enable
53	LDO	Reactivation Filter Clogged Alarm Enable	Disable/Enable
54	LDO	Reactivation Manual Reset Alarm Enable	Disable/Enable
55	LDO	Auxiliary Loop 1 Fault 1 Alarm Enable	Disable/Enable
56	LDO	Auxiliary Loop 2 Fault 1 Alarm Enable	Disable/Enable
57	LDO	Humidistat Input Enable	Disable/Enable
58	LDO	Remote Start Input Enable	Disable/Enable
59	LDO	Wheel Rotation Fault Alarm Enable	Disable/Enable
60	LDO	Auxiliary Loop 1 Fault 2 Alarm Enable	Disable/Enable
61	LDO	Auxiliary Loop 2 Fault 2 Alarm Enable	Disable/Enable

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Table 4. Drycell Series, Digital Points.

Point	Type	Description	Range/Units
62	LDO	Reactivation Temperature High Alarm Enable	Disable/Enable
63	LDO	Reactivation Temperature Low Alarm Enable	Disable/Enable
64	LDO	Auxiliary 1 Temperature High Alarm Enable	Disable/Enable
65	LDO	Auxiliary 1 Temperature Low Alarm Enable	Disable/Enable
66	LDO	Auxiliary 2 Temperature High Alarm Enable	Disable/Enable
67	LDO	Auxiliary 2 Temperature Low Alarm Enable	Disable/Enable
70	LDO	Humidity High Alarm Enable	Disable/Enable
71	LDO	Humidity Low Alarm Enable	Disable/Enable
78	LDO	Process Blower Run Time Alarm Enable	Disable/Enable
79	LDO	Reactivation Blower Run Time Alarm Enable	Disable/Enable
80	LDO	Wheel Drive Run Time Alarm Enable	Disable/Enable
89	LDI	Reactivation Temperature Sensor Failure Alarm	Normal/Alarm
90	LDI	Auxiliary Loop 1 Sensor Failure Alarm	Normal/Alarm
91	LDI	Auxiliary Loop 2 Sensor Failure Alarm	Normal/Alarm
92	LDI	Humidity Sensor Failure Alarm	Normal/Alarm

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