

## Systems Integration

# Liebert Modbus Solution: EDS Unit (Static Switch PDU)

Table 1. EDS APOGEE Points, Application Number: 4684.

Point	Type	Description	Range/Units <sup>a b c</sup>
1	LAO	Address	–
2	LAI	Application	–
3	LDI	No Communication	Off/On
4	LAO	IP Address Byte 1	–
5	LAO	IP Address Byte 2	–
6	LAO	IP Address Byte 3	–
7	LAO	IP Address Byte 4	–
8	LAO	Modbus IP Port	–
9	LAO	Base Offset	–
10	LAO	Send Initial Value	–
11	LAO	Modbus Address Offset for Status Points	–
12	LAI	Transfer Count	–
13	LDI	Preferred Source YES=Source 1 / NO=Source 2	No/Yes
14	LAI	Load On Source 1 or 2 1=Source 1 / 2=Source 2	–
15	LAI	Source 1 Voltage A-B	V
16	LAI	Source 1 Voltage B-C	V
17	LAI	Source 1 Voltage C-A	V
18	LAI	Source 1 Current A	A
19	LAI	Source 1 Current B	A
20	LAI	Source 1 Current C	A
21	LAI	Source 1 Frequency Divide by 10 for correct value	Hz
22	LAI	Source 2 Voltage A-B	V
23	LAI	Source 2 Voltage B-C	V
24	LAI	Source 2 Voltage C-A	V
25	LAI	Source 2 Current A	A
26	LAI	Source 2 Current B	A
27	LAI	Source 2 Current C	A

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**Table 1. EDS APOGEE Points, Application Number: 4684. (continued)**

<b>Point</b>	<b>Type</b>	<b>Description</b>	<b>Range/Units<sup>a b c</sup></b>
28	LAI	Source 2 Frequency Divide by 10 for correct value	Hz
29	LAI	KW	kW
30	LAI	KVA	kVA
31	LAI	Auto Transfer Timer	–
32	LAI	Nominal Voltage Deviation	V
33	LAI	Phase Differential Limit	–
34	LAI	Frequency Deviation Divide by 10 for correct value	Hz
35	LDI	Auto Transfer Enabled ENABLE=Enabled / DISABLE=Disabled	DISABL_ENABLE
36	LAO	Modbus Address Offset for Alarm Points	–
37	LDI	Communications	Normal/Alarm
38	LDI	Logic Failure	Normal/Alarm
39	LDI	Equipment Overtemp	Normal/Alarm
40	LDI	Power Supply 1 Fault	Normal/Alarm
41	LDI	Source 1 Overvoltage	Normal/Alarm
42	LDI	Source 1 Undervoltage	Normal/Alarm
43	LDI	Source 2 Overvoltage	Normal/Alarm
44	LDI	Source 2 Undervoltage	Normal/Alarm
45	LDI	Source 1 Overload	Normal/Alarm
46	LDI	Shorted SCR1	Normal/Alarm
47	LDI	Shorted SCR2	Normal/Alarm
48	LDI	–	Normal/Alarm
49	LDI	–	Normal/Alarm
50	LDI	–	Normal/Alarm
51	LDI	–	Normal/Alarm
52	LDI	–	Normal/Alarm
53	LDI	Open SCR1	Normal/Alarm
54	LDI	Open SCR2	Normal/Alarm
55	LDI	Fan Failure	Normal/Alarm
56	LDI	Source 2 Overload	Normal/Alarm
57	LDI	Power Supply 2 Fault	Normal/Alarm
58	LDI	Frequency Deviation	Normal/Alarm
59	LDI	Transfer Inhibit	Normal/Alarm
60	LDI	Auto Retransfer Primed	Normal/Alarm
61	LDI	Out of Synchronization	Normal/Alarm
62	LDI	Source 1 Failure	Normal/Alarm

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**Table 1. EDS APOGEE Points, Application Number: 4684. (continued)**

<b>Point</b>	<b>Type</b>	<b>Description</b>	<b>Range/Units<sup>a b c</sup></b>
63	LDI	Source 2 Failure	Normal/Alarm
64	LDI	–	Normal/Alarm
65	LDI	–	Normal/Alarm
66	LDI	–	Normal/Alarm
67	LDI	–	Normal/Alarm
68	LDI	–	Normal/Alarm
69	LDI	Auto Retransfer Failed	Normal/Alarm
70	LDI	Overload	Normal/Alarm
71	LDI	Control Fuse 1 Blown	Normal/Alarm
72	LDI	Control Fuse 2 Blown	Normal/Alarm
73	LDI	Source 1 CB1 Open	Normal/Alarm
74	LDI	Source 2 CB2 Open	Normal/Alarm
75	LDI	Output CB3 Open	Normal/Alarm
76	LDI	Custom Alarm 1	Normal/Alarm
77	LDI	Custom Alarm 2	Normal/Alarm
78	LDI	Bypass CB4 Closed	Normal/Alarm
79	LDI	Bypass CB5 Closed	Normal/Alarm
80	LDI	–	Normal/Alarm
81	LDI	–	Normal/Alarm
82	LDI	–	Normal/Alarm
83	LDI	–	Normal/Alarm
84	LDI	–	Normal/Alarm
85	LDI	Custom Alarm 3	Normal/Alarm
86	LDI	Custom Alarm 4	Normal/Alarm
87	LDI	Custom Alarm 5	Normal/Alarm
88	LDI	Custom Alarm 6	Normal/Alarm
89	LDI	Custom Alarm 7	Normal/Alarm
90	LDI	Custom Alarm 8	Normal/Alarm
91	LDI	–	Normal/Alarm
92	LDI	–	Normal/Alarm
93	LDI	–	Normal/Alarm
94	LDI	–	Normal/Alarm
95	LDI	–	Normal/Alarm
96	LDI	–	Normal/Alarm
97	LDI	–	Normal/Alarm

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**Table 1. EDS APOGEE Points, Application Number: 4684. (continued)**

<b>Point</b>	<b>Type</b>	<b>Description</b>	<b>Range/Units<sup>a b c</sup></b>
98	LDI	–	Normal/Alarm
99	LDI	–	Normal/Alarm
100	LDI	–	Normal/Alarm
<p><sup>a</sup> Values noted for LDIs and LDOs are in the following format: OFF text/ON text.</p> <p><sup>b</sup> This column indicates the value/range or engineering units or both if known.</p> <p><sup>c</sup> The default English value is not italicized. An italicized entry indicates an SI value.</p>			

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