Systems Integration

LONWORKS® Solution for Siemens Building Technologies, Inc. SED2 VFD

Table 1. SED2 APOGEE Points, Application 8440, Program IDs: 80:00:81:3C:0A:04:04:00 and 80:00:81:3C:0A:04:04:03.

Point	Type	Description	Range/Units[a,b,c]
1	LAO	Drive Speed Setpoint Value	%
2	LAO	Drive Speed Setpoint State	0 = Off 1= On
3	LAI	Drive Speed Feedback	%
4	LAO	Drive Speed Setpoint Scaling	%
5	LAI	Drive Output Current	A
6	LAI	Drive Output Voltage	V
7	LAI	Drive Output Power	kW
8	LAI	Drive Total Running Hours	hr
9	LENUM	Object Request Code	0 = Rq_Normal 1 = Rq_Disabled 7 = Rq_Enable 255 = Rq_Nul
10	LAO	Object Request ID	–
11	LAO	PID Loop Process Value In	%
12	LAO	PID Loop Setpoint In	%
13	LAI	PID Loop Process Value Out	%
14	LAI	PID Loop Setpoint Out	%
15	LAI	Drive Fault Value	%
16	LDI	Drive Fault State	Normal/Alarm
20	LDI	Digital Input 1 State	Off/On
21	LDI	Digital Input 2 State	Off/On
22	LDI	Digital Input 3 State	Off/On
23	LDI	Digital Input 4 State	Off/On
24	LDI	Digital Input 5 State	Off/On
25	LDI	Digital Input 6 State	Off/On
50	LAO	Fault Reset Value	%

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Table 1. SED2 APOGEE Points, Application 8440, Program IDs: 80:00:81:3C:0A:04:04:00 and 80:00:81:3C:0A:04:04:03. ***(continued)***

Point	Type	Description	Range/Units[a,b,c]
51	LDO	Fault Reset State	Normal/Reset
200	LAO	Maximum Motor Speed CP Input	%
201	LAO	Minimum Motor Speed CP Input	%
202	LAI	Receive Heartbeat CP Input	sec
203	LAO	Nominal Motor Speed in RPM CP Input	rpm
204	LAO	Nominal Motor Frequency CP Input	Hz
205	LAO	Minimum Ramp Up Time CP Input	sec
206	LAO	Minimum Ramp Down Time CP Input	sec

[a] Values noted for LDIs and LDOs are in the following format: OFF text/ON text.

[b] This column indicates the value/range or engineering units or both if known.

[c] The default English value is not italicized. An italicized entry indicates an SI value.

Table 2. SED2 LONWORKS Network Variables, Program IDs: 80:00:81:3C:0A:04:04:00 and 80:00:81:3C:0A:04:04:03.

Point	NVO Name	NVI Name	CP Name
1	–	nviDrvSpeedStpt.value	nviDrvSpeedStpt.value
2	–	nviDrvSpeedStpt.state	nviDrvSpeedStpt.state
3	nvoDrvSpeed	–	–
4	–	nviDrvSpeedScale	nciDrvSpeedScale
5	nvoDrvCurnt	–	–
6	nvoDrvVolt	–	–
7	nvoDrvPwr	–	–
8	nvoDrvRunHours	–	–
9	–	nviNodeRequest.object_request	nviNodeRequest.object_request
10	–	nviNodeRequest.object_id	nviNodeRequest.object_id
11	–	nviIAQ	–
12	–	nviStptIAQ	–
13	nvoIAQ	–	–
14	nvoEffectIAQ	–	–
15	nvoAlarm.value	–	–
16	nvoAlarm.state	–	–
20	nvoDI1.state	–	–
21	nvoDI2.state	–	–
22	nvoDI3.state	–	–
23	nvoDI4.state	–	–
24	nvoDI5.state	–	–
25	nvoDI6.state	–	–
50	–	nviFaultReset.value	nviFaultReset.value
51	–	nviFaultReset.state	–
200	–	–	nciMaxSpeed
201	–	–	nciMinSpeed
202	–	–	nciRcvHrtBt
203	–	–	nciNmlSpeed

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Table 2. SED2 LONWORKS Network Variables, Program IDs: 80:00:81:3C:0A:04:04:00 and 80:00:81:3C:0A:04:04:03. ***(continued)***

Point	NVO Name	NVI Name	CP Name
204	–	–	nciNmlFreq
205	–	–	nciRampUpTm
206	–	–	nciRampDownTm

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