

Systems Integration

APOGEE[®] Open Processor with YORK AP Driver: A1 Chiller

Table 1. A1 Chiller.

Point	Type	Description	Range/Units
01	LAI	Leaving Chilled Water Temperature Setpoint	°C
02	LAI	Remote Current Setpoint	%
03	LAI	Lead Unit Number Setpoint	°C
04	LAI	Lag Chiller Start Setpoint	°C
05	LDI	Start/Stop Status	On/Off
06	LDI	Load the Chiller	On/Off
07	LDI	Unload the Chiller	On/Off
08	LAI	History Flag	On/Off
09	LAI	Leaving Chilled Water Temperature	°C
10	LAI	Entering Chilled Water Temperature	°C
11	LAI	Mixed Chilled Water Temperature	°C
12	LAI	Compressor 1 Suction Temperature	°C
13	LAI	Compressor 1 Discharge Temperature	°C
14	LAI	Outside Air Temperature	°C
15	LAI	Compressor 1 Oil Temperature	°C
16	LAI	Compressor 1 Oil Pressure	kPa
17	LAI	Compressor 1 Suction Pressure	kPa
18	LAI	Compressor 1 Discharge Pressure	kPa
19	LAI	Compressor 1 Percent Full Load Amps	% FLA
20	LAI	Compressor 1 Total Run Hours	hrs
21	LAI	Compressor 1 Start Counter	Number of Starts
22	LAI	Compressor 1 Anti Recycle Time Left	sec
23	LAI	Anti Coincident Timer	sec
24	LAI	Compressor 2 Oil Temperature	°C

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Table 1. A1 Chiller.

Point	Type	Description	Range/Units
25	LAI	Compressor 2 Oil Pressure	kPa
26	LAI	Compressor 2 Suction Pressure	kPa
27	LAI	Compressor 2 Discharge Pressure	kPa
28	LAI	Compressor 2 Percent Full Load Amps	% FLA
29	LAI	Compressor 2 Total Run Hours	hrs
30	LAI	Compressor 2 Start Counter	Number of Starts
31	LAI	Comp 2 Anti Recycle Time Left	sec
32	LAI	Compressor 1 Calculated Slide Valve Percent	%
33	LAI	Compressor 2 Calculated Slide Valve Percent	%
34	LDI	Chiller Run Status	On/Off
35	LDI	Chiller Alarm Status	On/Off
36	LDI	Evaporator Heater Status	On/Off
37	LDI	Evaporator Pump Status	On/Off
40	LDI	Compressor 1 Liquid Line Suction Valve Status	On/Off
43	LDI	Compressor 1 Condenser Fan Reverse	On/Off
44	LDI	Compressor 2 Liquid Line Suction Valve Status	On/Off
47	LDI	Compressor 2 Condenser Fan Reverse	On/Off
48	LDI	Dip Switch 1 Status	On/Off
49	LDI	Dip Switch 2 Status	On/Off
50	LDI	Dip Switch 3 Status	On/Off
51	LDI	Dip Switch 4 Status	On/Off
52	LDI	Dip Switch 5 Status	On/Off
53	LDI	Dip Switch 6 Status	On/Off
54	LAI	Compressor 1 Operational Code	—
55	LAI	Compressor 1 Fault Code	—
56	LAI	Compressor 2 Operational Code	—
57	LAI	Compressor 2 Fault Code	—
59	LAI	Compressor 1 Condenser Fan Forward	Forward/Reverse
61	LAI	Compressor 2 Condenser Fan Forward	Forward/Reverse
62	LAI	Lead Compressor Number	—
64	LAI	Lead Chilled Water Actual Setpoint	°C
65	LAI	Low Water Temperature Cutout Setpoint	°C
66	LAI	Low Ambient Temperature Cutout Setpoint	°C
67	LAI	High Ambient Temperature Cutout Setpoint	°C

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Table 1. A1 Chiller.

Point	Type	Description	Range/Units
68	LAI	Low Pressure Cutout Setpoint	°C
69	LAI	High Pressure Cutout Setpoint	°C
70	LAI	Remote Temperature Setpoint	°C
71	LAI	Compressor 1 Saturated Suction Temperature	°C
72	LAI	Local Cooler Barrel Setpoint	°C
73	LAI	Compressor 1 Saturated Discharge Temperature	°C
74	LAI	Compressor 1 Suction Temperature	°C
75	LAI	Compressor 2 Discharge Temperature	°C
76	LAI	Compressor 2 Superheated Suction Temperature	°C
77	LAI	Compressor 2 Superheated Discharge Temperature	°C
78	LDI	Dip Switch 7 Status	On/Off
79	LDI	Dip Switch 8 Status	On/Off
80	LDI	Load Permissive Status	On/Off
83	LAO	Set Leaving Chilled Water Temperature Setpoint	°C
84	LAO	Set Remote Current Limit Setpoint	°C

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Page 4 of 4