

Systems Integration

YORK ISN Enhanced Driver: C1 Reciprocating Chillers (Master)

Table 1. C1 Master APOGEE Points, Application Number: 5853.

Point	Type	Description	Range/Units ^{a b c}
1	LAO	Device Address	–
2	LAI	Device Application	–
3	LAO	Logon Password	–
4	LAO	Open Password	–
5	LDI	Yorktalk Translator Communication Status	Normal/Fail
8	LDI	Device Communication Status	Normal/Fail
9	LAI	Leaving Chilled Water Temperature Set Point	°F °C
10	LAI	Remote Current Set Point (Load Limit)	%
11	LAI	Lead Unit Number Set Point	–
12	LDI	Start/Stop Status	Off/On
13	LDI	Load The Chiller	Yes/No
14	LDI	Unload The Chiller	Yes/No
15	LAI	Leaving Chilled Water Temperature	°F °C
16	LAI	Entering Chilled Water Temperature	°F °C
17	LAI	Mixed Chilled Liquid Temperature	°F °C
18	LAI	Entering Condenser Water Temperature	°F °C
19	LAI	Leaving Condenser Water Temperature	°F °C
20	LAI	Outside Air Temperature	°F °C
21	LAI	Compressor 1 Oil Pressure	psig kPa
22	LAI	Compressor 1 Suction Pressure	psig kPa

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Table 1. C1 Master APOGEE Points, Application Number: 5853. (continued)

Point	Type	Description	Range/Units ^{a b c}
23	LAI	Compressor 1 Discharge Pressure	psig kPa
24	LAI	Compressor 1 % Full Load Amps	%
25	LAI	Compressor 1 Total Run Time	hrs
26	LAI	Compressor 1 Start Count	–
27	LAI	Compressor 1 Anti-Recycle Timer	–
28	LAI	Anti-Coincident Timer	–
29	LAI	Compressor 2 Oil Pressure	psig kPa
30	LAI	Compressor 2 Suction Pressure	psig kPa
31	LAI	Compressor 2 Discharge Pressure	psig kPa
32	LAI	Compressor 2 % Full Load Amps	%
33	LAI	Compressor 2 Total Run Time	hrs
34	LAI	Compressor 2 Start Count	–
35	LAI	Compressor 2 Anti-Recycle Timer	–
36	LAI	Total Number Of Load Steps Available	–
37	LDI	Chiller Run Status	Off/On
38	LDI	Chiller Alarm Status	Off/On
39	LDI	Evaporator Heater Status	Off/On
40	LDI	Evaporator Pump Status	Off/On
41	LDI	Condenser Pump Status	Off/On
42	LDI	Compressor 1 Liquid Line Solenoid Valve	Off/On
43	LDI	Compressor 1 Hot Gas Bypass Valve Status	Off/On
44	LDI	Compressor 1 Reverse Condenser Fan Status	Off/On
45	LDI	Compressor 2 Liquid Line Solenoid Valve	Off/On
46	LDI	Compressor 2 Hot Gas Bypass Valve Status	Off/On
47	LDI	Compressor 2 Reverse Condenser Fan Status	Off/On
48	LAI	Compressor 1 Operating Code	–
49	LAI	Compressor 1 Fault Code	–
50	LAI	Compressor 2 Operating Code	–
51	LAI	Compressor 2 Fault Code	–
52	LAI	Compressor 1 Number Of Stages Operating	–
53	LAI	Compressor 1 Forward Condenser Fan Status	–
54	LAI	Compressor 2 Number Of Stages Operating	–
55	LAI	Compressor 2 Forward Condenser Fan Status	–

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Table 1. C1 Master APOGEE Points, Application Number: 5853. (continued)

Point	Type	Description	Range/Units^{a b c}
56	LAI	Lead Compressor Number	–
57	LAI	Leaving Chilled Water Temperature Actual Set Point	°F °C
58	LAI	Low Chilled Water Temperature Cutout	°F °C
59	LAI	Low Ambient Temperature Cutout	°F °C
60	LAI	High Ambient Temperature Cutout	°F °C
61	LAI	Low Suction Pressure Cutout	psig <i>kPa</i>
62	LAI	High Discharge Pressure Cutout	psig <i>kPa</i>
63	LAI	Remote Temperature Set Point	°F °C
64	LAI	Remote Temperature Range	°F °C
65	LAI	Local Cooler Barrel Set Point	°F °C
66	LAI	Compressor 1 Run Time	–
67	LAI	Compressor 2 Run Time	–
68	LDI	Load Permissive	Off/On
69	LDO	Chiller Start/Stop	Off/On
70	LDO	Load The Chiller	Yes/No
71	LDO	Unload The Chiller	Yes/No
72	LAO	Leaving Chilled Water Temperature Set Point	°F °C
73	LAO	Remote Current Limit Set Point	%
74	LAO	Lead Unit Number Set Point	–
<p>^a Values noted for LDIs and LDOs are in the following format: OFF text/ON text.</p> <p>^b This column indicates the value/range or engineering units or both if known.</p> <p>^c The default English value is not italicized. An italicized entry indicates an SI value.</p>			

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