

Systems Integration

LONWORKS® Solution for McQuay Microtech II Air-Cooled Scroll Condensing Unit/Dual Compressor (ACZD)

Table 1. ACZD Chiller Type APOGEE Points, Application Number: 9137, Program ID:80:00:25:50:28:0A:04:05.

Point	Type	Description	Range/Units ^{a b c}
1	LAO	Chiller Enable V	%
2	LDO	Chiller Enable S	Off/On
4	LAI	Chiller ON/OFF V	%
5	LDI	Chiller ON/OFF S	Off/On
7	LAO	Capacity Limit IP	%
8	LAO	EntChilWaterTmp IP	°F °C
11	LAI	ActualCapacityLvl	%
12	LAI	CapacityLimit	%
17	LENUM	Chiller Run Mode	0=Chlr_Off 1=Chlr_Start 2=Chlr_Run 3=Chlr_Preshutdn 4=Chlr_Service 255=Chlr_Nul
19	LDI	Chiller Alarm	Normal/Alarm
20	LDI	Run Enable	Disabled/Enabled
21	LDI	Local	Remote/Local
22	LDI	Limited	Full/Limited
23	LDI	ChilledWaterFlow	Noflow/Flow
24	LDI	Cond Water Flow	Noflow/Flow
28	LAO	Compressor Select	–
33	LAI	Outdoor Temp	°F °C
34	LAI	EvapFlowSwStat V	%
35	LDI	EvapFlowSwStat S	Off/On
42	LAI	Compressor Starts	–

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Table 1. ACZD Chiller Type APOGEE Points, Application Number: 9137, Program ID:80:00:25:50:28:0A:04:05. (continued)

Point	Type	Description	Range/Units ^{a b c}
43	LAI	Compressor Run Hrs	–
47	LAI	EvapSatRefrigTemp	°F °C
48	LAI	EvapRefrigPressure	psi <i>kPa</i>
50	LAI	CondSatRefrigTmp	°F °C
51	LAI	CondRefrigPress	psi <i>kPa</i>
63	LAI	EvapFlowRate	cfm <i>Lps</i>
200	LAI	CP_RcvHrtBt	sec
201	LDO	CP_Defaults	Off/On

^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. ACZD Chiller Type LONWORKS Network Variables, Program ID: 80:00:25:50:28:0A:04:05.

Point	NVO Name	NVI Name	CP Name
1		nviChillerEnable.value	nciChillerEnable.value
2		nviChillerEnable.state	nciChillerEnable.state
4	nvoOnOff.value		
5	nvoOnOff.state		
7		nviCapacityLim	nciCapacityLim
8		nviEntChWTemp	nviEntChWTemp
11	nvoActCapacity		
12	nvoCapacityLim		
17	nvoChillerStat.chlr_run_mode		
19	nvoChillerStat.chlr_state.in_alarm		
20	nvoChillerStat.chlr_state.run_enabled		
21	nvoChillerStat.chlr_state.local		
22	nvoChillerStat.chlr_state.limited		
23	nvoChillerStat.chlr_state.chw_flow		
24	nvoChillerStat.chlr_state.condw_flow		
28		nviCompSelect	nviCompSelect
33	nvoOutdoorTemp		
34	nvoChWFlow.value		
35	nvoChWFlow.state		
42	nvoCompStarts		
43	nvoCompHrs		
47	nvoSatEvpRefTemp		
48	nvoEvapRefPress		
50	nvoSatCndRefTemp		
51	nvoCondRefPress		
63	nvoEvapFlowRate		
200			nciRCvHrtBt
201			nciDefaults.state

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