SIEMENS

Systems Integration

APOGEE™ Open Processor with McQuay Microtech Driver: Chilled Water Cooling and Electric Heat – Valve Control Unit Ventilator

Table 1. Chilled Water Cooling and Electric Heat – Valve Control Unit Ventilator.

Point	Type	Description	Range/Units
01	LAO	Device Address	—
02	LAO	Application Number	5037
03	LDI	Supply Fan Status	Off/On
04	LAI	Room Temperature	-50 – 205°F
05	LAI	Discharge Air Temperature	-50 – 205°F
06	LAI	Outside Air Temperature	-50 – 205°F
07	LAI	Mixed Air Temperature	-50 – 205°F
08	LAI	Water In Temperature	-50 – 205°F
09	LAI	Chilled Water Valve Position	0 – 100%
10	LAI	Outdoor Air Damper Position	0 – 100%
11	LAI	Outdoor Air Damper Minimum Position	0 – 100%
12	LAI	Outdoor Air Damper Position Set Point	0 – 100%
14	LAI	Current (Active) Cooling Set Point	-50 – 205°F
15	LAI	Current (Active) Heating Set Point	-50 – 205°F
16	LAI	Chilled Water Valve Set Point	0 – 100%
17	LAI	Tenant Set Point Potentiometer Adjustment	-3 – 3°F
18	LAI	Heat/Cool Mode	0 = Temperature is OK 1 = Cooling 2 = Heating
19	LAI	Supply Fan Hours	0 – 131,070
21	LAO	Clear Fault/Current Mode/Fault. Set point to zero to clear faults.	See Table 2
22	LAO	Watch Dog	0 – 255 Minutes
23	LDO	Occupied Status	Unoccupied/Occupied
24	LAO	Cooling Set Point	65 – 90°F

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Table 1. Chilled Water Cooling and Electric Heat – Valve Control Unit Ventilator.

Point	Type	Description	Range/Units
25	LAO	Heating Set Point	55°F – Cooling Set Point minus 6°F
26	LAO	Tenant Override Time. Whenever tenant override switch on wall thermostat is pressed, unit vent controller enters 120 minutes (time-left-in-override-mode) for this point. Similarly, unit can be commanded to override mode by setting point to number of minutes of override desired.	0 – 1275 Minutes
27	LAI	Occupied/Unoccupied/Override Mode	0 = Unoccupied 1 = Occupied 2 = Tenant Override
99	LDI	Device Communication Failure	Normal/Failed

Table 2. Unit Vent Mode/Fault (Point 21).

Value	Mode
0	Unoccupied. Also, set point to this value to clear faults.
1	Occupied
2	Tenant Override
3	Load Shed
4	Tenant Load Shed
5	Defrost
188	Communication Error
189	Change Filter
190	Suction Line Temperature Sensor Bad
191	Water In Temperature Sensor Bad
192	Mixed Air Temperature Sensor Bad
193	Outside Air Temperature Sensor Bad
194	Discharge Air Temperature Sensor Bad
195	Outside Air Damper Position Potentiometer Bad
196	Heating Valve Position Potentiometer Bad
197	Cooling Valve Position Potentiometer Bad
198	Brownout
199	Low Temperature
200	Low Water Temperature
201	High Pressure
202	Room Temperature Sensor

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