

Symbio™ 800 Integration Points List

BACnet®

RTWD (CH530)

Date: 12/6/2024

Reference Document: BAS-SVP083*-EN



Object Identifier	Object Name	Description	Units	Configuration Dependency
1	Active Cool/Heat Setpoint Temperature	Active chiller water or hot water setpoint.	Temperature	
2	Active Current Limit Setpoint	Active capacity current limit setpoint.	Percent	
5	Actual Running Capacity	Level of capacity that the chiller is currently running at.	Percent	
7	Suction Pressure- Ckt 1	Circuit 1 suction pressure.	Pressure	
10	Suction Pressure- Ckt 2	Circuit 2 suction pressure.	Pressure	
12	Evaporator Saturated Refrigerant Temperature- Ckt 1	Circuit 2 evaporator refrigerant temperature.	Temperature	
14	Evaporator Saturated Refrigerant Temperature- Ckt 2	Circuit 2 evaporator refrigerant temperature.	Temperature	
16	Condenser Refrigerant Pressure- Ckt 1	Circuit 1 condenser refrigerant pressure.	Pressure	
18	Condenser Refrigerant Pressure- Ckt 2	Circuit 2 condenser refrigerant pressure.	Pressure	
20	Condenser Saturated Refrigerant Temperature- Ckt 1	Circuit 1 condenser refrigerant temperature.	Temperature	
22	Condenser Saturated Refrigerant Temperature- Ckt 2	Circuit 2 condenser refrigerant temperature.	Temperature	
24	Unit Power Consumption	The power being consumed by the chiller.	Power	
25	Local Atmospheric Pressure	Local atmospheric pressure.	Pressure	
26	Starts- Compressor 1A	Number of starts for compressor 1A.		
28	Starts- Compressor 2A	Number of starts for compressor 2A.		
34	Run Time- Compressor 1A	Total run time of compressor 1A.	Time	
36	Run Time- Compressor 2A	Total run time of compressor 2A.	Time	
44	Evaporator Entering Water Temp	Temperature of the water entering the evaporator.	Temperature	
45	Evaporator Leaving Water Temp	Temperature of the water leaving the evaporator.	Temperature	
46	Condenser Entering Water Temp	Temperature of the water entering the condenser.	Temperature	
47	Condenser Leaving Water Temp	Temperature of the water leaving the condenser.	Temperature	
48	High Side Oil Pressure- Compressor 1A	Pressure of the oil at the high side of compressor 1A.	Pressure	
50	High Side Oil Pressure- Compressor 2A	Pressure of the oil at the high side of compressor 2A.	Pressure	
57	Outdoor Air Temperature	Outdoor air temperature.	Temperature	
58	Condenser Control Output	Percentage of condenser water flow being requested by the chiller.	Percent	
59	Phase AB Voltage- Compressor 1A	Phase AB voltage, compressor 1A.	Voltage	
60	Phase BC Voltage- Compressor 1A	Phase BC voltage, compressor 1A.	Voltage	
61	Phase CA Voltage- Compressor 1A	Phase CA voltage, compressor 1A.	Voltage	
65	Phase AB Voltage- Compressor 2A	Phase AB voltage, compressor 2A.	Voltage	
66	Phase BC Voltage- Compressor 2A	Phase BC voltage, compressor 2A.	Voltage	
67	Phase CA Voltage- Compressor 2A	Phase CA voltage, compressor 2A.	Voltage	

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Object Identifier	Object Name	Description	Units	Configuration Dependency
71	Line 1 Current (in Amps)- Compressor 1A	Line 1 Current (in Amps)- Compressor 1A	Current	
72	Line 2 Current (in Amps)- Compressor 1A	Line 2 Current (in Amps)- Compressor 1A	Current	
73	Line 3 Current (in Amps)- Compressor 1A	Line 3 Current (in Amps)- Compressor 1A	Current	
77	Line 1 Current (in Amps)- Compressor 2A	Line 1 Current (in Amps)- Compressor 2A	Current	
78	Line 2 Current (in Amps)- Compressor 2A	Line 2 Current (in Amps)- Compressor 2A	Current	
79	Line 3 Current (in Amps)- Compressor 2A	Line 3 Current (in Amps)- Compressor 2A	Current	
83	Line 1 Current (%RLA)- Compressor 1A	Line 1 Current (%RLA)- Compressor 1A	Percent	
84	Line 2 Current (%RLA)- Compressor 1A	Line 2 Current (%RLA)- Compressor 1A	Percent	
85	Line 3 Current (%RLA)- Compressor 1A	Line 3 Current (%RLA)- Compressor 1A	Percent	
89	Line 1 Current (%RLA)- Compressor 2A	Line 1 Current (%RLA)- Compressor 2A	Percent	
90	Line 2 Current (%RLA)- Compressor 2A	Line 2 Current (%RLA)- Compressor 2A	Percent	
91	Line 3 Current (%RLA)- Compressor 2A	Line 3 Current (%RLA)- Compressor 2A	Percent	
95	Number of Circuits	Number of Circuits	None	
96	Number of Compressors, Ckt 1	Number of Compressors, Ckt 1	None	
97	Number of Compressors, Ckt 2	Number of Compressors, Ckt 2	None	
98	Chiller Design Capacity	Design Capacity of the Chiller	None	