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Form: MARVPREM_BMS_080218
DATE: 8/2/2018 Rev. A

Index	Variable/BACnet Name	Description	Type	Access	Format	Default	Minimum	Maximum	MultiStat Value	Multistate Text	Inactive Text	Active Text
1	ReturnTemperature	Return Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
2	ReturnHumidity	Return Humidity	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
3	SpaceTemperature	Space Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
4	SpaceHumidity	Space Humidity	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
5	SupplyTemperature_1	Supply Temperature 1	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
6	SupplyTemperature_2	Supply Temperature 2	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
7	SupplyTemperature_Average	Supply Temperature Average	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
8	OutdoorTemperature	Outdoor Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
9	OutdoorHumidity	Outdoor Humidity	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
10	WaterTemperature	Water Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
11	PreheatTemperature	Preheat Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
12	DuctPressure	Duct Pressure	AnalogValue	Read Only	+aa.aa	N/A	-10.00	10.00	N/A	N/A		
13	LiquidPressure_1	Liquid Pressure 1	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
14	LiquidPressure_2	Liquid Pressure 2	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
15	LiquidPressure_3	Liquid Pressure 3	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
16	LiquidPressure_4	Liquid Pressure 4	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
17	ControlPressure	Maximum Liquid Pressure and Control Value	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
18	SuctionPressure_1	Suction Pressure 1	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
19	SuctionPressure_2	Suction Pressure 2	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
20	SuctionPressure_3	Suction Pressure 3	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
21	SuctionPressure_4	Suction Pressure 4	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
22	CondenserTemperature_IN	Condenser Inlet Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
23	CondenserTemperature_OUT	Condenser Outlet Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
24	LiquidTemperature_1	Liquid Temperature 1	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
25	LiquidTemperature_2	Liquid Temperature 2	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
26	LiquidTemperature_3	Liquid Temperature 3	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
27	LiquidTemperature_4	Liquid Temperature 4	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
28	SuctionTemperature_1	Suction Temperature 1	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
29	SuctionTemperature_2	Suction Temperature 2	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
30	SuctionTemperature_3	Suction Temperature 3	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
31	SuctionTemperature_4	Suction Temperature 4	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
32	Room_1_Temperature	Room 1 Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
33	Room_2_Temperature	Room 2 Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
34	Room_3_Temperature	Room 3 Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
35	Room_4_Temperature	Room 4 Temperature	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
36	RoomPressure	Room Pressure	AnalogValue	Read Only	+aa.aa	N/A	-99.99	99.99	N/A	N/A		
37	VFD_Frequency	VFD Frequency	AnalogValue	Read Only	+aa.a	N/A	-99.9	99.9	N/A	N/A		
38	VFD_1_Frequency	VFD 1 Frequency	AnalogValue	Read Only	+aa.a	N/A	-99.9	99.9	N/A	N/A		
39	VFD_2_Frequency	VFD 2 Frequency	AnalogValue	Read Only	+aa.a	N/A	-99.9	99.9	N/A	N/A		
40	CoolDemand	Cooling Demand	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
41	HeatDemand	Heating Demand	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
42	DehumidifyDemand	Dehumidification Demand	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
43	HumidifyDemand	Humidification Demand	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
44	ReheatDemand	Reheat Demand	AnalogValue	Read Only	+aaa.a	N/A	-999.9	999.9	N/A	N/A		
50	ReturnCool_Setpoint	Return Cooling Set Point	AnalogValue	Read/Write	+AA.AA	73.00	50.00	99.00	N/A	N/A		
51	ReturnCool_PropBand	Return Cooling Proportional Band	AnalogValue	Read/Write	+AA.AA	5.00	0.50	30.00	N/A	N/A		
52	ReturnCool_DeadBand	Return Cooling Dead Band	AnalogValue	Read/Write	+AA.AA	1.00	0.00	20.00	N/A	N/A		
53	ReturnHeat_Setpoint	Return Heating Set Point	AnalogValue	Read/Write	+AA.AA	68.00	50.00	99.00	N/A	N/A		
54	ReturnHeat_PropBand	Return Heating Proportional Band	AnalogValue	Read/Write	+AA.AA	5.00	0.50	40.00	N/A	N/A		
55	ReturnHeat_DeadBand	Return Heating Dead Band	AnalogValue	Read/Write	+AA.AA	1.00	0.00	20.00	N/A	N/A		
56	ReturnTemp_Setpoint	Return Temperature Set Point	AnalogValue	Read/Write	+AA.AA	72.00	50.0	99.0	N/A	N/A		
57	ReturnTemp_PropBand	Return Temperature Proportional Band	AnalogValue	Read/Write	+AA.AA	2.00	0.50	40.00	N/A	N/A		
58	ReturnTemp_DeadBand	Return Temperature Dead Band	AnalogValue	Read/Write	+AA.AA	1.00	0.00	20.00	N/A	N/A		
59	SpaceCool_Setpoint	Space Cooling Set Point	AnalogValue	Read/Write	+AA.AA	73.00	50.00	99.00	N/A	N/A		
60	SpaceCool_PropBand	Space Cooling Proportional Band	AnalogValue	Read/Write	+AA.AA	5.00	0.50	30.00	N/A	N/A		
61	SpaceCool_DeadBand	Space Cooling Dead Band	AnalogValue	Read/Write	+AA.AA	1.00	0.00	20.00	N/A	N/A		

62	SpaceHeat_Setpoint	Space Heating Set Point	AnalogValue	Read/Write	+AA.AA	68.00	50.00	99.00	N/A	N/A		
63	SpaceHeat_PropBand	Space Heating Proportional Band	AnalogValue	Read/Write	+AA.AA	5.00	0.50	40.00	N/A	N/A		
64	SpaceHeat_DeafBand	Space Heating Dead Band	AnalogValue	Read/Write	+AA.AA	1.00	0.00	20.00	N/A	N/A		
65	SpaceTemp_Setpoint	Space Temperature Set Point	AnalogValue	Read/Write	+AA.AA	73.00	50.00	99.00	N/A	N/A		
66	SpaceTemp_PropBand	Space Temperature Proporational Band	AnalogValue	Read/Write	+AA.AA	5.00	0.50	30.00	N/A	N/A		
67	SpaceTemp_DeafBand	Space Temperature Dead Band	AnalogValue	Read/Write	+AA.AA	1.00	0.00	20.00	N/A	N/A		
68	SupplyCool_Setpoint	Supply Temperature Cooling Set Point	AnalogValue	Read/Write	+AAA.A	55.00	45.00	99.00	N/A	N/A		
69	SupplyCool_Kp	Supply Temperature Proporational Gain	AnalogValue	Read/Write	+AA.A	1.00	0.00	30.00	N/A	N/A		
70	SupplyCool_Deafband	Supply Cooling Dead Band	AnalogValue	Read/Write	+AA.A	0.00	0.00	20.00	N/A	N/A		
71	SupplyHeat_Setpoint	Supply Heating Set Point	AnalogValue	Read/Write	+AAA.A	50.00	30.00	140.00	N/A	N/A		
72	SupplyHeat_Kp	Supply Heating Proporational Gain	AnalogValue	Read/Write	+AAA.A	1.00	0.00	30.00	N/A	N/A		
73	SupplyHeat_Deafband	Supply Heating Dead Band	AnalogValue	Read/Write	+AAA.A	0.00	0.00	20.00	N/A	N/A		
74	DuctPressure_Setpoint	Duct Pressure Set Point	AnalogValue	Read/Write	+A.AA	0.00	0.00	3.00	N/A	N/A		
75	ReturnDehumidify_Setpoint	Return Dehumidification Set Point	AnalogValue	Read/Write	+AA.AA	55.00	20.00	80.00	N/A	N/A		
76	ReturnDehum_PropBand	Return Dehumidification Proportional Band	AnalogValue	Read/Write	+AA.AA	5.00	0.50	40.00	N/A	N/A		
77	ReturnDehum_DeafBand	Return Dehumidification Dead Band	AnalogValue	Read/Write	+AA.AA	0.00	0.00	20.00	N/A	N/A		
78	ReturnHumidify_Setpoint	Return Humidify Set Point	AnalogValue	Read/Write	+AA.AA	50.00	20.00	80.00	N/A	N/A		
79	ReturnHumidify_DeafBand	Return Humidify Dead Band	AnalogValue	Read/Write	+AA.AA	0.00	0.00	20.00	N/A	N/A		
80	ReturnHumidity_Setpoint	Return Humidity Set Point	AnalogValue	Read/Write	+AA.AA	50.00	20.00	80.00	N/A	N/A		
81	ReturnHumidity_PropBand	Return Humidity Proporational Band	AnalogValue	Read/Write	+AA.AA	5.00	0.50	40.00	N/A	N/A		
82	ReturnHumidity_DeafBand	Return Humidity Dead Band	AnalogValue	Read/Write	+AA.AA	0.00	0.00	20.00	N/A	N/A		
83	SpaceDehumidify_Setpoint	Return Dehumidify Set Point	AnalogValue	Read/Write	+AA.AA	55.00	20.00	80.00	N/A	N/A		
84	SpaceDehum_PropBand	Space Dehumidification Proporational Band	AnalogValue	Read/Write	+AA.AA	5.00	0.50	40.00	N/A	N/A		
85	SpaceDehum_DeafBand	Space Dehumidification Dead Band	AnalogValue	Read/Write	+AA.AA	0.00	0.00	20.00	N/A	N/A		
86	SpaceHumidify_Setpoint	Space Humidify Set Point	AnalogValue	Read/Write	+AA.AA	50.00	20.00	80.00	N/A	N/A		
87	SpaceHumidify_DeafBand	Space Humidify Dead Band	AnalogValue	Read/Write	+AA.AA	0.00	0.00	20.00	N/A	N/A		
88	SpaceHumidity_Setpoint	Space Humidity Set Point	AnalogValue	Read/Write	+AA.AA	50.00	20.00	80.00	N/A	N/A		
89	SpaceHumidity_PropBand	Space Humidity Proportional Band	AnalogValue	Read/Write	+AA.AA	5.00	0.50	40.00	N/A	N/A		
90	SpaceHumidity_DeafBand	Space Humidity Dead Band	AnalogValue	Read/Write	+AA.AA	0.00	0.00	20.00	N/A	N/A		
91	MixedAirTemp_Setpoint	Mixed Air Temperature Set Point	AnalogValue	Read/Write	+AA.A	55.0	45.0	75.0	N/A	N/A		
92	MixedAirTemp_PropBand	Mixed Air Temperature Proportional Band	AnalogValue	Read/Write	+AA.A	5.0	0.5	40.0	N/A	N/A		
93	MixedAirTemp_DeafBand	Mixed Air Temperature Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
94	HGBP_1_CoolDem_Demand_vdc	Mod Hot Gas Bypass 1 by Cooling Demand (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
95	HGBP_2_CoolDem_Demand_vdc	Mod Hot Gas Bypass 2 by Cooling Demand (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
100	VFD_PressureDemand_vdc	Variable Frequency Drive Pressure Control (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
101	ECM_MotorPressure_Demand_vdc	EC Motor Pressure Control (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
102	HeadPress_Valve_1_vdc	Discharge Pressure Valve 1 Output (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
103	HeadPress_Valve_2_vdc	Discharge Pressure Valve 2 Output (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
104	HeadPress_Valve_3_vdc	Discharge Pressure Valve 3 Output (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
105	HeadPress_Valve_4_vdc	Discharge Pressure Valve 4 Output (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
106	DigComp_1_Demand_vdc	Digital Compressor 1 (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
107	DigComp_2_Demand_vdc	Digital Compressor 2 (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
108	DigComp_3_Demand_vdc	Digital Compressor 3 (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
109	DigComp_4_Demand_vdc	Digital Compressor 4 (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
110	ModHeat_1_Demand_vdc	Modulating Heater 1 (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
111	ModHeat_2_Demand_vdc	Modulating Heater 2 (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
112	AirEcon_Demand_vdc	Airside Economizer (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
113	WSE_Demand_vdc	Waterside Economizer (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
114	ModReheat_1_Demand_vdc	Modulating Reheat 1 (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
115	ModReheat_2_Demand_vdc	Modulating Reheat 2 (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
116	ModHumidifier_Demand_vdc	Modulating Humidifier (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
117	VFD_Temp_Demand_vdc	Modulating Supply Blower - Single Zone VAV (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
118	Preheat_Demand_vdc	Preheat Demand (vdc)	AnalogValue	Read Only	+aa.aa	N/A	0.00	10.00	N/A	N/A		
119	SetbackCool_Setpoint	Setback Cooling Set Point	AnalogValue	Read/Write	+AA.A	80.0	50.0	95.0	N/A	N/A		
120	SetbackCool_PropBand	Setback Cooling Proporational Band	AnalogValue	Read/Write	+AA.A	5.0	0.5	40.0	N/A	N/A		
121	SetbackCool_DeafBand	Setback Cooling Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
122	SetbackHeat_Setpoint	Setback Heating Set Point	AnalogValue	Read/Write	+AA.A	60.0	50.0	95.0	N/A	N/A		
123	SetbackHeat_PropBand	Setback Heating Proportional Band	AnalogValue	Read/Write	+AA.A	5.0	0.5	40.0	N/A	N/A		
124	SetbackHeat_DeafBand	Setback Heating Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
125	SetbackDehum_Setpoint	Setback Dehumidify Set Point	AnalogValue	Read/Write	+AA.A	55.0	35.0	85.0	N/A	N/A		
126	SetbackDehum_PropBand	Setback Dehumidify Proporational Band	AnalogValue	Read/Write	+AA.A	5.0	0.5	40.0	N/A	N/A		
127	SetbackDehum_DeafBand	Setback Dehumidify Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
128	SetbackHum_Setpoint	Setback Humidify Set Point	AnalogValue	Read/Write	+AA.A	40.0	35.0	85.0	N/A	N/A		

129	SetbackHum_PropBand	Setback Humidify Proportional Band	AnalogValue	Read/Write	+AA.A	5.0	0.5	40.0	N/A	N/A		
130	SetbackHum_DeathBand	Unoccupied Humidify Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
131	UnoccCool_Setpoint	Unoccupied Cooling Set Point	AnalogValue	Read/Write	+AA.A	80.0	50.0	95.0	N/A	N/A		
132	UnoccCool_PropBand	Unoccupied Cooling Proportional Band	AnalogValue	Read/Write	+AA.A	5.0	0.5	40.0	N/A	N/A		
133	UnoccCool_DeathBand	Unoccupied Cooling Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
134	UnoccHeat_Setpoint	Unoccupied Heating Set Point	AnalogValue	Read/Write	+AA.A	60.0	50.0	95.0	N/A	N/A		
135	UnoccHeat_PropBand	Unoccupied Heating Proportional Band	AnalogValue	Read/Write	+AA.A	5.0	0.5	40.0	N/A	N/A		
136	UnoccHeat_DeathBand	Unoccupied Heating Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
137	UnoccDehum_Setpoint	Unoccupied Dehumidify Set Point	AnalogValue	Read/Write	+AA.A	55.0	35.0	85.0	N/A	N/A		
138	UnoccDehum_PropBand	Unoccupied Dehumidify Proportional Band	AnalogValue	Read/Write	+AA.A	5.0	0.5	40.0	N/A	N/A		
139	UnoccDehum_DeathBand	Unoccupied Dehumidify Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
140	UnoccHum_Setpoint	Unoccupied Humidify Set Point	AnalogValue	Read/Write	+AA.A	40.0	35.0	85.0	N/A	N/A		
141	UnoccHum_PropBand	Unoccupied Humidify Proportional Band	AnalogValue	Read/Write	+AA.A	5.0	0.5	40.0	N/A	N/A		
142	UnoccHum_DeathBand	Unoccupied Humidify Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
143	MorningWarmup_Setpoint	Morning Warm-Up Set Point	AnalogValue	Read/Write	+AA.A	80.0	50.0	95.0	N/A	N/A		
144	MorningWarmup_PropBand	Morning Warm-Up Proportional Band	AnalogValue	Read/Write	+AA.A	10.0	0.5	40.0	N/A	N/A		
145	MorningWarmup_Deathband	Morning Warm-Up Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
146	MorningCoolDown_Setpoint	Morning Cool-Down Set Point	AnalogValue	Read/Write	+AA.A	80.0	50.0	95.0	N/A	N/A		
147	MorningCoolDown_PropBand	Morning Cool-Down Proportional Band	AnalogValue	Read/Write	+AA.A	10.0	0.5	40.0	N/A	N/A		
148	MorningCoolDown_Deathband	Morning Cool-Down Dead Band	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
149	DigComps_StartDemand	Digital Compressor Start Demand	AnalogValue	Read/Write	+AA.A	70.0	50.0	90.0	N/A	N/A		
150	DigComps_MinimumDemand	Digital Compressor Stop/End Demand	AnalogValue	Read/Write	+AA.A	10.0	0.5	40.0	N/A	N/A		
151	PercentDemand_ChangeUpdate	Compressor Demand - Output to Update	AnalogValue	Read/Write	+AA.A	0.0	0.0	20.0	N/A	N/A		
152	DigCompMinDemand	Digital Compressor Minimum Operating Demand	AnalogValue	Read/Write	+AA.A	20.0	20.0	60.0	N/A	N/A		
153	LowComp_Demand	Low Demand Threshold to Start Oil Cycle Timer	AnalogValue	Read/Write	+AA.A	40.0	30.0	70.0	N/A	N/A		
154	LowOilSpeed_DemandReset	Low Demand Threshold to Stop/Reset Oil Cycle Timer	AnalogValue	Read/Write	+AA.A	45.0	40.0	80.0	N/A	N/A		
155	OutdoorTemperature_BMS	Outdoor Temperature by BMS	AnalogValue	Read/Write	+AAA.A	130.0	-999.9	999.9	N/A	N/A		
156	OutdoorHumidity_BMS	Outdoor Humidity by BMS	AnalogValue	Read/Write	+AAA.A	50.0	-999.9	999.9	N/A	N/A		
157	OA_Enthalpy	Outdoor Air Enthalpy	AnalogValue	Read Only	+AA.A	N/A	-99.9	99.9	N/A	N/A		
158	ReturnEnthalpy	Return Air Enthalpy	AnalogValue	Read Only	+AA.A	N/A	-99.9	99.9	N/A	N/A		
159	SupplyDewpoint_Setpoint	Supply Dewpoint Set Point	AnalogValue	Read Only	+AA.A	55.0	5.0	85.0	N/A	N/A		
160	DuctPress_Kp	Duct Pressure Proportional Gain	AnalogValue	Read Only	+A.AAA	0.250	0.001	9.999	N/A	N/A		
161	ReturnCool_Kp	Return Cooling Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
162	SpaceCool_Kp	Space Cooling Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
163	ReturnHeat_Kp	Return Heat Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
164	SpaceHeat_Kp	Space Heating Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
165	ReturnTemp_Kp	Return Temperature Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
166	SpaceTemp_Kp	Space Temperature Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
167	ReturnHumidify_Kp	Return Humidify Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
168	SpaceHumidify_Kp	Space Humidify Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
169	ReturnDehum_Kp	Return Dehumidification Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
170	SpaceDehum_Kp	Space Dehumidification Proportional Gain	AnalogValue	Read Only	+AAA.A	1.0	-100.0	100.0	N/A	N/A		
171	OutdoorTemperature_Setpoint	Outdoor Temperature Set Point (Economizer)	AnalogValue	Read/Write	+AAA.A	55.0	40.0	85.0	N/A	N/A		
172	OutdoorTemperature_PropBand	Outdoor Temperature Proportional Band (Economizer)	AnalogValue	Read/Write	+AAA.A	5.0	1.0	40.0	N/A	N/A		
173	Reheat_Setpoint	Reheat Set Point	AnalogValue	Read/Write	+AAA.A	68.0	0.0	120.0	N/A	N/A		
174	Reheat_DeathBand	Reheat Dead Band	AnalogValue	Read/Write	+AAA.A	1.0	0.0	20.0	N/A	N/A		
175	ReheatTemp_PropBand	Reheat Proportional Band	AnalogValue	Read/Write	+AAA.A	2.0	1.0	30.0	N/A	N/A		
176	SupplyDewpoint_DeathBand	Supply Dew Point Dead Band	AnalogValue	Read/Write	+AAA.A	0.5	0.0	5.0	N/A	N/A		
177	HumidifierCurrent	Humidifier Operating Current	AnalogValue	Read Only	aa.a	0.0	0.0	99.9	N/A	N/A		
178	SteamFlowRate	Humidifier Steam Flow Rate	AnalogValue	Read Only								
1	SystemOnOff	System ON/OFF	BinaryValue	Read/Write					N/A	N/A	OFF	ON
2	OutdoorAirDamper	Outdoor Air Damper Status	BinaryValue	Read Only					N/A	N/A	Closed	Open
3	SupplyBlower	Supply Air Blower Status	BinaryValue	Read Only					N/A	N/A	OFF	ON
4	UnoccFan_en	Unoccupied Fan Enable	BinaryValue	Read/Write					N/A	N/A	Disable	Enable
5	Unoccupied	Unoccupied Status	BinaryValue	Read Only					N/A	N/A	Occupied	Unoccupied
6	Occupied	Occupied Status	BinaryValue	Read Only					N/A	N/A	Unoccupied	Occupied
7	Override_ON	Unoccupied Override Status	BinaryValue	Read/Write					N/A	N/A	Override OFF	Override ON
8	Compressor_1	Compressor 1 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	OFF	ON
9	Compressor_2	Compressor 2 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	OFF	ON
10	Compressor_3	Compressor 3 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	OFF	ON
11	Compressor_4	Compressor 4 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	OFF	ON
12	Heater_1	Heater 1 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	OFF	ON
13	Heater_2	Heater 2 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	OFF	ON

14	Heater_3	Heater 3 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	OFF	ON
15	Heater_4	Heater 4 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	OFF	ON
16	ReversingValve_1_ON	Reversing Valve 1 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	Heat Pump - Valve Open	Air Conditioning - Valve Closed
17	ReversingValve_2_ON	Reversing Valve 2 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	Heat Pump - Valve Open	Air Conditioning - Valve Closed
18	ReversingValve_3_ON	Reversing Valve 3 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	Heat Pump - Valve Open	Air Conditioning - Valve Closed
19	ReversingValve_4_ON	Reversing Valve 4 ON/OFF Status	BinaryValue	Read Only					N/A	N/A	Heat Pump - Valve Open	Air Conditioning - Valve Closed
20	Compressor_1_HP_Alarm	Alarm - Compressor 1 High Pressure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
21	Compressor_1_LP_Alarm	Alarm - Compressor 1 Low Pressure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
22	Compressor_2_HP_Alarm	Alarm - Compressor 2 High Pressure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
23	Compressor_2_LP_Alarm	Alarm - Compressor 2 Low Pressure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
24	Compressor_3_HP_Alarm	Alarm - Compressor 3 High Pressure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
25	Compressor_3_LP_Alarm	Alarm - Compressor 3 Low Pressure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
26	Compressor_4_HP_Alarm	Alarm - Compressor 4 High Pressure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
27	Compressor_4_LP_Alarm	Alarm - Compressor 4 Low Pressure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
28	Airflow_Alarm	Alarm - Loss of Airflow	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
29	FireSmoke_Alarm	Alarm - Fire/Smoke Detected	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
30	DrainPan_Alarm	Alarm - Drain Pan	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
31	WaterFlow_Alarm	Alarm - Loss of Water Flow	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
32	DirtyFilter_Alarm	Alarm - Dirty Air Filter(s)	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
33	HighDuctStatic_Alarm	Alarm - High Duct Static Pressure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
34	HighHeatLimit_Alarm	Alarm - Heater High Limit	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
35	DigComp_1_Module_Alarm	Alarm - Digital Compressor 1 Module	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
36	DigComp_2_Module_Alarm	Alarm - Digital Compressor 2 Module	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
37	DigComp_3_Module_Alarm	Alarm - Digital Compressor 3 Module	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
38	DigComp_4_Module_Alarm	Alarm - Digital Compressor 4 Module	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
39	Motor_1_Overload_Alarm	Alarm - Motor 1 Overload	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
40	Motor_2_Overload_Alarm	Alarm - Motor 2 Overload	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
41	Motor_3_Overload_Alarm	Alarm - Motor 3 Overload	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
42	Motor_4_Overload_Alarm	Alarm - Motor 4 Overload	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
43	VFD_Overload_Alarm	Alarm - VFD Overload	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
44	VFD_1_Overload_Alarm	Alarm - VFD 1 Overload	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
45	VFD_2_Overload_Alarm	Alarm - VFD 2 Overload	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
46	WaterCoil_FreezeStat_Alarm	Alarm - Freeze Protect Mode	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
47	CompsFreezeStat_Alarm	Alarm - Compressor Freeze Protection	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
48	OA_Damper_Alarm	Alarm - Outdoor Damper Failed to Open	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
49	AlarmReturnHighTemp	Alarm - Return Temperature High	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
50	AlarmReturnLowTemp	Alarm - Return Temperature Low	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
51	AlarmReturnHighHumidity	Alarm - Return Humidity High	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
52	AlarmReturnLowHumidity	Alarm - Return Humidity Low	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
53	AlarmSupplyHighTemp	Alarm - Supply Temperature High	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
54	AlarmSupplyLowTemp	Alarm - Supply Temperature Low	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
55	AlarmDuctPressureHigh	Alarm - Duct Pressure High	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
56	AlarmDuctPressureLow	Alarm - Duct Pressure Low	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
57	ReturnTemperature_FAIL	Alarm - Return Temperature Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
58	SpaceTemperature_FAIL	Alarm - Space Temperature Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
59	ReturnHumidity_FAIL	Alarm - Return Humidity Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
60	SpaceHumidity_FAIL	Alarm - Space Humidity Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
61	OutdoorTemperature_FAIL	Alarm - Outdoor Temperature Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
62	OutdoorHumidity_FAIL	Alarm - Outdoor Humidity Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
63	DuctPressure_FAIL	Alarm - Duct Pressure Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
64	LiquidPressure_1_FAIL	Alarm - Liquid Pressure 1 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
65	LiquidPressure_2_FAIL	Alarm - Liquid Pressure 2 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
66	LiquidPressure_3_FAIL	Alarm - Liquid Pressure 3 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
67	LiquidPressure_4_FAIL	Alarm - Liquid Pressure 4 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
68	SuctionPressure_1_FAIL	Alarm - Suction Pressure 1 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
69	SuctionPressure_2_FAIL	Alarm - Suction Pressure 2 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
70	SuctionPressure_3_FAIL	Alarm - Suction Pressure 3 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
71	SuctionPressure_4_FAIL	Alarm - Suction Pressure 4 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
72	LiquidTemperature_1_FAIL	Alarm - Liquid Temperature 1 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
73	LiquidTemperature_2_FAIL	Alarm - Liquid Temperature 2 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
74	LiquidTemperature_3_FAIL	Alarm - Liquid Temperature 3 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
75	LiquidTemperature_4_FAIL	Alarm - Liquid Temperature 4 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
76	SuctionTemperature_1_FAIL	Alarm - Suction Temperature 1 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm

77	SuctionTemperature_2_FAIL	Alarm - Suction Temperature 2 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
78	SuctionTemperature_3_FAIL	Alarm - Suction Temperature 3 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
79	SuctionTemperature_4_FAIL	Alarm - Suction Temperature 4 Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
80	VFD_Frequency_FAIL	Alarm - VFD Frequency Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
81	VFD_1_Frequency_FAIL	Alarm - VFD 1 Frequency Feedback Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
82	VFD_2_Frequency_FAIL	Alarm - VFD 2 Frequency Feedback Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
83	RoomPressure_FAIL	Alarm - Room Pressure Sensor Failure	BinaryValue	Read Only					N/A	N/A	Normal	Alarm
84	Compressor_1_HP_Active	Compressor 1 - High Pressure Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
85	Compressor_1_LP_Active	Compressor 1 - Low Pressure Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
86	Compressor_2_HP_Active	Compressor 2 - High Pressure Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
87	Compressor_2_LP_Active	Compressor 2 - Low Pressure Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
88	Compressor_3_HP_Active	Compressor 3 - High Pressure Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
89	Compressor_3_LP_Active	Compressor 3 - Low Pressure Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
90	Compressor_4_HP_Active	Compressor 4 - High Pressure Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
91	Compressor_4_LP_Active	Compressor 4 - Low Pressure Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
92	Airflow_Active	Airflow Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
93	DrainPan_Active	Drain Pan Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
94	DirtyFilter_Active	Dirty Filter Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
95	HeaterHighLimit_Active	Heater High Limit Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
96	Cond_OUT_Damper_ES_Active	Condenser Damper End Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
97	Cond_IN_Damper_ES_Active	Condenser OUT Damper End Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
98	OA_Damper_ES_Active	Outdoor Damper End Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
99	HighDuctPressure_Active	High Duct Pressure Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
100	Motor_1_Overload_Active	Motor 1 Overload Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
101	Motor_2_Overload_Active	Motor 2 Overload Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
102	Motor_3_Overload_Active	Motor 3 Overload Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
103	Motor_4_Overload_Active	Motor 4 Overload Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
104	VFD_Overload_Active	VFD Overload Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
105	VFD_1_Overload_Active	VFD 1 Overload Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
106	VFD_2_Overload_Active	VFD 2 Overload Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
107	WaterCoil_Freezestat_Active	Hot Water, Steam, or Water Econ Freeze Stat Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
108	DigComp_1_Module_Active	Digital Compressor 1 Module Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
109	DigComp_2_Module_Active	Digital Compressor 2 Module Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
110	DigComp_3_Module_Active	Digital Compressor 3 Module Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
111	DigComp_4_Module_Active	Digital Compressor 4 Module Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
112	CompsFreezeStat_Active	Compressor FreezeStat Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
113	WaterFlow_Active	Water Flow Switch Open	BinaryValue	Read Only					N/A	N/A	Open	Closed
114	WaterFlow_OK	Water is Flowing	BinaryValue	Read Only					N/A	N/A	No Water Flow	Water Flow OK
115	No_WaterFlow	No Water Flow	BinaryValue	Read Only					N/A	N/A	Water Flow OK	No Water Flow
116	DefrostMode_Active	Defrost Mode Active	BinaryValue	Read Only					N/A	N/A	Defrost OFF	Defrost ON
117	PreheatHighLimit_Active	Preheat High Limit Switch Open	BinaryValue	Read Only					N/A	N/A	Closed	Open
118	OA_Dewpoint_Mode	Supply Dewpoint Dehumidification Status (Digital Comps)	BinaryValue	Read Only					N/A	N/A	OFF	ON
119	DewpointControl_Status	Dewpoint Control Status (No Digital Comps)	BinaryValue	Read Only					N/A	N/A	OFF	ON
120	Schedule_en	Schedule Enable	BinaryValue	Read Only					N/A	N/A	Disabled	Enabled
121	EnableCompressor_1	Compressor 1 Enable	BinaryValue	Read Only					N/A	N/A	Disabled	Enabled
122	EnableCompressor_2	Compressor 2 Enable	BinaryValue	Read Only					N/A	N/A	Disabled	Enabled
123	EnableCompressor_3	Compressor 3 Enable	BinaryValue	Read Only					N/A	N/A	Disabled	Enabled
124	EnableCompressor_4	Compressor 4 Enable	BinaryValue	Read Only					N/A	N/A	Disabled	Enabled
125	EnableHeater_1	Heater 1 Enable	BinaryValue	Read Only					N/A	N/A	Disabled	Enabled
126	EnableHeater_2	Heater 2 Enable	BinaryValue	Read Only					N/A	N/A	Disabled	Enabled
127	EnableHeater_3	Heater 3 Enable	BinaryValue	Read Only					N/A	N/A	Disabled	Enabled
128	EnableHeater_4	Heater 4 Enable	BinaryValue	Read Only					N/A	N/A	Disabled	Enabled
129	Humidifier_ON	Humidifier ON	BinaryValue	Read Only					N/A	N/A	OFF	ON
1	Reserved	Reserved	N/A	N/A					N/A	N/A		
2	WarmupTimeRemain	Morning Warm-Up Time Remaining	IntegerValue	Read Only					N/A	N/A		
3	CooldownTimeRemain	Morning Cool-Down Time Remaining	IntegerValue	Read Only					N/A	N/A		
1	BMS_ModeSelection	BMS Mode Input Selector	MultiStateValue	Read/Write	N/A	0	0	8	0	BMS - Mode Disabled/OFF		
									1	BMS - Unit OFF		
									2	BMS - Morning Warmup Mode		
									3	BMS - Morning CoolDown Mode		
									4	BMS - Set-Back Mode		
									5	BMS - Unoccupied		
									6	BMS - Occupied		

									7	BMS - Emergency Stop		
2	UnoccMode_Status	Unoccupied Mode of Operation	MultiStateValue	Read Only	N/A	0	0	5	0	Unoccupied Mode - OFF		
									1	Unoccupied Cooling ON		
									2	Unoccupied Heating ON		
									3	Unoccupied Dehumidification ON		
									4	Unoccupied Humidification ON		
3	Compressor_1_Status	Compressor 1 Status	MultiStateValue	Read Only	N/A	0	0	7	0	Compressor 1 - OFF		
									1	Compressor 1 - High Pressure		
									2	Compressor 1 - Low Pressure		
									3	Compressor 1 - In Delay		
									4	Compressor 1 - Compressor Module Alarm		
									5	Compressor 1 - ON		
									6	Compressor 1 - Heat Pump Mode ON		
4	Compressor_2_Status	Compressor 2 Status	MultiStateValue	Read Only	N/A	0	0	7	0	Compressor 2 - OFF		
									1	Compressor 2 - High Pressure		
									2	Compressor 2 - Low Pressure		
									3	Compressor 2 - In Delay		
									4	Compressor 2 - Compressor Module Alarm		
									5	Compressor 2 - ON		
									6	Compressor 2 - Heat Pump Mode ON		
5	Compressor_3_Status	Compressor 3 Status	MultiStateValue	Read Only	N/A	0	0	7	0	Compressor 3 - OFF		
									1	Compressor 3 - High Pressure		
									2	Compressor 3 - Low Pressure		
									3	Compressor 3 - In Delay		
									4	Compressor 3 - Compressor Module Alarm		
									5	Compressor 3 - ON		
									6	Compressor 3 - Heat Pump Mode ON		
6	Compressor_4_Status	Compressor 4 Status	MultiStateValue	Read Only	N/A	0	0	7	0	Compressor 4 - OFF		
									1	Compressor 4 - High Pressure		
									2	Compressor 4 - Low Pressure		
									3	Compressor 4 - In Delay		
									4	Compressor 4 - Compressor Module Alarm		
									5	Compressor 4 - ON		
									6	Compressor 4 - Heat Pump Mode ON		
7	SystemStatus	System Status	MultiStateValue	Read Only	N/A	0	0	24	0	Unit OFF		
									1	System Stand-By		
									2	Unit ON		
									3	Unoccupied		
									4	Unocc Cool ON		
									5	Unocc Heat ON		
									6	Unocc Dehumidify ON		
									7	Unocc Humidify ON		
									8	Warm Up - Heating ON		
									9	Cool Down - Cooling ON		
									10	Setback Cooling ON		
									11	Setback Heating ON		
									12	Setback Dehumidify ON		
									13	Setback Humidify ON		
									14	Occupied		
									15	Unoccupied Override ON		
									16	Compressors ON		
									17	Heaters ON		
									18	Dehumidify ON		
									19	Dehumidify & Reheat ON		
									20	Humidifier ON		
									21	Airside Economizer ON		
									22	Water Economizer Valve ON		
									23	Chilled Water Valve ON		
8	Reheat_By	Reheat By	MultiStateValue	Read/Write	N/A	1	0	3	0	Space Temperature		
									1	Supply Temperature		
									2	Return Temperature		
									0	No Steam Production		
									1	Updating Set Characteristics		

9	HumidifierStatus	Humidifier Status	MultiStateValue	Read Only	N/A	0	0	12	2	Filling Water		
									3	Steam Evaporation		
									4	Draining due to Foaming		
									5	Draining Water		
									6	Drain for Production		
									7	Drain - Prolonged Inactivity		
									8	Complete Drain Requested		
									9	Restart Filling After Alarm		
									10	Pre-Cleaning Cylinder		
									11	Periodic Drain Request		
									1	BMS_SoftwareVersion	Software Version	PositiveIntegerValue
2	UnitStartDelay	Unit Start Delay	PositiveIntegerValue	Read/Write	III	15	5	180	N/A	N/A		
3	BlowerModeStart_Delay	Blower Mode Start Delay	PositiveIntegerValue	Read/Write	III	60	30	180	N/A	N/A		
4	OutdoorDamper_Delay	Outdoor Air Damper Delay	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
5	Compressor_1_StartDelay	Compressor 1 Start Delay	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
6	Compressor_2_StartDelay	Compressor 2 Start Delay	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
7	Compressor_3_StartDelay	Compressor 3 Start Delay	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
8	Compressor_4_StartDelay	Compressor 4 Start Delay	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
9	Comp_1_MinRUN	Compressor 1 Minimum Run Time	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
10	Comp_2_MinRUN	Compressor 2 Minimum Run Time	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
11	Comp_3_MinRUN	Compressor 3 Minimum Run Time	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
12	Comp_4_MinRUN	Compressor 4 Minimum Run Time	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
13	Comp_1_MinOFF	Compressor 1 Minimum OFF Time	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
14	Comp_2_MinOFF	Compressor 2 Minimum OFF Time	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
15	Comp_3_MinOFF	Compressor 3 Minimum OFF Time	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
16	Comp_4_MinOFF	Compressor 4 Minimum OFF Time	PositiveIntegerValue	Read Only	iii	N/A	0	999	N/A	N/A		
17	CompMinRUN	Compressor Minimum Run Time	PositiveIntegerValue	Read/Write	III	120	60	600	N/A	N/A		
18	CompMinOFF	Compressor Minimum OFF Time	PositiveIntegerValue	Read/Write	III	300	90	900	N/A	N/A		
19	TimeBetweenCompressors	Time Between Compressor Stages	PositiveIntegerValue	Read/Write	III	300	30	600	N/A	N/A		
20	CompressorUpate_Delay	Digital Compressor Output Update Delay	PositiveIntegerValue	Read/Write	III	10	5	60	N/A	N/A		
21	LowOilDelayTime	Low Compressor Demand Oil Cycle Start Delay	PositiveIntegerValue	Read/Write	III	6	2	8	N/A	N/A		
22	ModCompOil_Time	Oil Cycle Run Time	PositiveIntegerValue	Read/Write	III	300	30	600	N/A	N/A		
23	Hour	Present Hour	PositiveIntegerValue	Read Only	ii	N/A	0	23	N/A	N/A		
24	Minute	Present Minute	PositiveIntegerValue	Read Only	ii	N/A	0	59	N/A	N/A		
25	Month	Present Month	PositiveIntegerValue	Read Only	ii	N/A	1	12	N/A	N/A		
26	Day	Present Day	PositiveIntegerValue	Read Only	ii	N/A	1	31	N/A	N/A		
27	Year	Present Year	PositiveIntegerValue	Read Only	ii	N/A	0	99	N/A	N/A		
28	NewHour	Write New Hour	PositiveIntegerValue	Read/Write	II	N/A	0	24	N/A	N/A		
29	NewMinute	Write New Minute	PositiveIntegerValue	Read/Write	II	N/A	0	59	N/A	N/A		
30	NewMonth	Write New Month	PositiveIntegerValue	Read/Write	II	N/A	1	12	N/A	N/A		
31	NewDay	Write New Day of Month	PositiveIntegerValue	Read/Write	II	N/A	1	31	N/A	N/A		
32	DayOfWeek	Day of the Week	PositiveIntegerValue	Read Only	I	N/A	1	7	N/A	N/A		
33	MON_StartHour	Monday Occupied Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
34	MON_StartMin	Monday Occupied Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
35	MON_EndHour	Monday Occupied End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
36	MON_EndMin	Monday Occupied End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
37	TUE_StartHour	Tuesday Occupied Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
38	TUE_StartMin	Tuesday Occupied Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
39	TUE_EndHour	Tuesday Occupied End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
40	TUE_EndMin	Tuesday Occupied End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
41	WED_StartHour	Wednesday Occupied Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
42	WED_StartMin	Wednesday Occupied Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
43	WED_EndHour	Wednesday Occupied End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
44	WED_EndMin	Wednesday Occupied End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
45	THU_StartHour	Thursday Occupied Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
46	THU_StartMin	Thursday Occupied Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
47	THU_EndHour	Thursday Occupied End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
48	THU_EndMin	Thursday Occupied End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
49	FRI_StartHour	Friday Occupied Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
50	FRI_StartMin	Friday Occupied Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
51	FRI_EndHour	Friday Occupied End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
52	FRI_EndMin	Friday Occupied End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
53	SAT_StartHour	Saturday Occupied Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		

54	SAT_StartMin	Saturday Occupied Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
55	SAT_EndHour	Saturday Occupied End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
56	SAT_EndMin	Saturday Occupied End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
57	SUN_StartHour	Sunday Occupied Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
58	SUN_StartMin	Sunday Occupied Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
59	SUN_EndHour	Sunday Occupied End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
60	SUN_EndMin	Sunday Occupied End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
61	MON_NSB_StartHour	Monday Setback Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
62	MON_NSB_StartMin	Monday Setback Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
63	MON_NSB_EndHour	Monday Setback End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
64	MON_NSB_EndMin	Monday Setback End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
65	TUE_NSB_StartHour	Tuesday Setback Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
66	TUE_NSB_StartMin	Tuesday Setback Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
67	TUE_NSB_EndHour	Tuesday Setback End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
68	TUE_NSB_EndMin	Tuesday Setback End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
69	WED_NSB_StartHour	Wednesday Setback Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
70	WED_NSB_StartMin	Wednesday Setback Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
71	WED_NSB_EndHour	Wednesday Setback End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
72	WED_NSB_EndMin	Wednesday Setback End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
73	THU_NSB_StartHour	Thursday Setback Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
74	THU_NSB_StartMin	Thursday Setback Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
75	THU_NSB_EndHour	Thursday Setback End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
76	THU_NSB_EndMin	Thursday Setback End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
77	FRI_NSB_StartHour	Friday Setback Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
78	FRI_NSB_StartMin	Friday Setback Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
79	FRI_NSB_EndHour	Friday Setback End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
80	FRI_NSB_EndMin	Friday Setback End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
81	SAT_NSB_StartHour	Saturday Setback Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
82	SAT_NSB_StartMin	Saturday Setback Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
83	SAT_NSB_EndHour	Saturday Setback End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
84	SAT_NSB_EndMin	Saturday Setback End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
85	SUN_NSB_StartHour	Sunday Setback Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
86	SUN_NSB_StartMin	Sunday Setback Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
87	SUN_NSB_EndHour	Sunday Setback End Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
88	SUN_NSB_EndMin	Sunday Setback End Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
89	MON_MW_StartHour	Monday Morning Warm-Up Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
90	MON_MW_StartMin	Monday Morning Warm-Up Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
91	TUE_MW_StartHour	Tuesday Morning Warm-Up Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
92	TUE_MW_StartMin	Tuesday Morning Warm-Up Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
93	WED_MW_StartHour	Wednesday Morning Warm-Up Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
94	WED_MW_StartMin	Wednesday Morning Warm-Up Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
95	THU_MW_StartHour	Thursday Morning Warm-Up Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
96	THU_MW_StartMin	Thursday Morning Warm-Up Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
97	FRI_MW_StartHour	Friday Morning Warm-Up Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
98	FRI_MW_StartMin	Friday Morning Warm-Up Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
99	SAT_MW_StartHour	Saturday Morning Warm-Up Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
100	SAT_MW_StartMin	Saturday Morning Warm-Up Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
101	SUN_MW_StartHour	Sunday Morning Warm-Up Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
102	SUN_MW_StartMin	Sunday Morning Warm-Up Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
103	MON_CD_StartHour	Monday Morning Cool-Down Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
104	MON_CD_StartMin	Monday Morning Cool-Down Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
105	TUE_CD_StartHour	Tuesday Morning Cool-Down Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
106	TUE_CD_StartMin	Tuesday Morning Cool-Down Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
107	WED_CD_StartHour	Wednesday Morning Cool-Down Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
108	WED_CD_StartMin	Wednesday Morning Cool-Down Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
109	THU_CD_StartHour	Thursday Morning Cool-Down Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
110	THU_CD_StartMin	Thursday Morning Cool-Down Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
111	FRI_CD_StartHour	Friday Morning Cool-Down Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
112	FRI_CD_StartMin	Friday Morning Cool-Down Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
113	SAT_CD_StartHour	Saturday Morning Cool-Down Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
114	SAT_CD_StartMin	Saturday Morning Cool-Down Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		
115	SUN_CD_StartHour	Sunday Morning Cool-Down Start Hour	PositiveIntegerValue	Read/Write	II	0	0	23	N/A	N/A		
116	SUN_CD_StartMin	Sunday Morning Cool-Down Start Minute	PositiveIntegerValue	Read/Write	II	0	0	59	N/A	N/A		

117	WarmupTime	Morning Warm-Up Time (minutes)	PositiveIntegerValue	Read/Write					N/A	N/A		
118	CoolDownTime	Morning Cool-Down Time (minutes)	PositiveIntegerValue	Read/Write					N/A	N/A		
119	ReturnTemp_Ti	Return Temperature Integration Time	PositiveIntegerValue	Read/Write					N/A	N/A		
120	SpaceTemp_Ti	Space Temperature Integration Time	PositiveIntegerValue	Read/Write					N/A	N/A		
121	ReturnCool_Ti	Return Cool Integration Time	PositiveIntegerValue	Read/Write					N/A	N/A		
122	SpaceCool_Ti	Space Cool Integration Time	PositiveIntegerValue	Read/Write					N/A	N/A		
123	ReturnHeat_Ti	Return Heat Integration Time	PositiveIntegerValue	Read/Write					N/A	N/A		
124	SpaceHeat_Ti	Space Heating Integration Time	PositiveIntegerValue	Read/Write					N/A	N/A		
125	ReturnHumidify_Ti	Return Humidification Integration Time	PositiveIntegerValue	Read/Write					N/A	N/A		
126	SpaceHumidify_Ti	Space Humidification Integration Time	PositiveIntegerValue	Read/Write					N/A	N/A		
127	ReturnTemp_Td	Return Temperature Derivative Time	PositiveIntegerValue	Read/Write					N/A	N/A		
128	SpaceTemp_Td	Space Temperature Derivative Time	PositiveIntegerValue	Read/Write					N/A	N/A		
129	ReturnCool_Td	Return Cooling Derivative Time	PositiveIntegerValue	Read/Write					N/A	N/A		
130	SpaceCool_Td	Space Cooling Derivative Time	PositiveIntegerValue	Read/Write					N/A	N/A		
131	ReturnHeat_Td	Return Heating Derivative Time	PositiveIntegerValue	Read/Write					N/A	N/A		
132	SpaceHeat_Td	Space Heating Derivative Time	PositiveIntegerValue	Read/Write					N/A	N/A		
133	SupplyCool_Ti	Supply Cooling Integration Time (seconds)	PositiveIntegerValue	Read Only	III	120	0	999	N/A	N/A		
134	SupplyHeat_Ti	Supply Heating Integration Time (seconds)	PositiveIntegerValue	Read Only	III	0	0	999	N/A	N/A		
135	SupplyCool_Td	Supply Cooling Derivative Time (seconds)	PositiveIntegerValue	Read Only	III	120	0	999	N/A	N/A		
136	SupplyHeat_Td	Supply Heating Derivative Time (seconds)	PositiveIntegerValue	Read Only	III	0	0	999	N/A	N/A		
137	Airflow_CFM	Airflow CFM	PositiveIntegerValue	Read Only	iiiiii	0	0	50000	N/A	N/A		
138	Airflow_CFM_Setpoint	Airflow CFM Set Point	PositiveIntegerValue	Read/Write	IIIIII	0	0	50000	N/A	N/A		
139	HumidifierConductivity	Humidifier Water Conductivity	PositiveIntegerValue	Read Only	iii	0	0	999	N/A	N/A		