



#	Point Description Name	BACnet		MODBUS		Read Only	Description
		Name	Type ID	Object Type	Register		
1	Supply Air Temperature	sa_temp_1	AI:10	float value	40001	✓	Supply Air Temperature in °F
2	Backup Electric Heating Coil Position	bkup_elect_ht_pos_1	AV:105	float value	40003	✓	Backup Modulating Electric Heating Coil Status: 0% - 100%
3	Backup Heat Lock Value	bkup_ht_lock_val_1	AV:58	float value	40005		Backup Heat Lock Value - Test & Balance: 0% - 100%
4	BAS CO ₂ Sensor Value	bas_co2_val_1	AV:49	float value	40007		CO ₂ Sensor Value provided by BAS in PPM
5	BAS DAT Sensor	bas_dat_val_1	AV:90	float value	40009		Discharge Air Temperature (DAT) provided by BAS in °F
6	BAS Outdoor Air Temperature	effective_oat_1	AV:29	float value	40011		Outdoor Air Temperature (OAT) provided by BAS in °F
7	BAS RH Sensor Value	bas_rh_sen_val_1	AV:56	float value	40013		Relative Humidity (RH) provided by BAS in %
8	BAS Temperature Sensor Value	bas_sen_val_1	AV:19	float value	40015		Zone Temperature Value provided by BAS in °F
9	Boilerless-Economizer Status	econ_boil_mode_stat_1	AV:34	float value	40017	✓	Boilerless / Economizer Option Status 0 = Disabled 1 = Boilerless 2 = Water Side Economizer
10	CO ₂ Sensor	co2_sensor_ena_1	AV:26	float value	40019		Zone CO ₂ Sensor Enable Setup 0 = No CO₂ (Default) 1 = CO ₂ Monitoring 2 = CO ₂ + Damper 3 = CO ₂ BAS Monitoring 4 = CO ₂ BAS + Damper
11	Coil Configuration	coil_cfg_1	AV:336	float value	40021		Coil Configuration Setup 0 = Parallel (Default) 1 = Series
12	Coil Configuration Status	coil_cfg_status_1	AV:337	float value	40023	✓	Coil Configuration Status 0 = Parallel 1 = Series
13	Compressor Control Status	comp_ctrl_status_1	AV:60	float value	40025	✓	Compressor Control Status 0 = Zone Control 1 = Discharge Air Control
14	Compressors Mode	comp_mode_1	AV:70	float value	40027		Compressor Mode Setup 0 = Zone 1 = Discharge Air Control (Default)
15	Compressor Stages	cmp_stgs_1	AV:14	float value	40029	✓	Compressor Stage Status 1 = 1 Compressor 1 Stage 2 = 2 Compressor 2 Stages (Default) 3 = 3 Compressor 3 Stages (3 and 4 Stage units only) 4 = 4 Compressor 4 Stages (4 Compressor units only) 5 = 1 Compressor 2 Stages
16	Control Source	ctrl_source_1	AV:15	float value	40031		Control Source for Occupancy Setup 0 = Digital Input 1 1 = Keypad Schedule 2 = BAS Occupancy Command 3 = Factory Use 4 = Manual On-Continuous (Default)
17	Cooling Demand	clg_pct_1	AV:13	float value	40033	✓	Cooling Demand Status in % (Zone or DAC)
18	Supply Air Cooling Setpoint	sat_stpt_cl_1	AV:303	float value	40035		Cooling Supply Air Temperature Setpoint in °F Default: 65 °F
19	Control Sensor Source	ctrl_sen_sel_1	AV:18	float value	40037		Controlling Temperature Sensor Setup 0 = RS Sensor 1 = Remote Sensor 2 = BAS Temperature Sensor (Default)



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20	Current Alarm	current_alarm_1	AV:17	float value	40039	✓	Alarm Status of unit: 0 = No Alarm 1-7 = UPM Fault Code 20 = Output Overridden via Keypad 30 = Sensor Failure 40 = Leaving Water Temp Alarm 50 = Zone Temp Alarm 60 = Discharge Air Temperature 70 = Filter Alarm/Compressors 1 & 2 Runtime 80 = Zone Humidity Alarm 90 = High CO ₂ Level Alarm
21	Discharge Air Temperature Sensor Selection	dat_sel_1	AV:81	float value	40041		Discharge Air Temperature Sensor Setup 0 = Zone DAT 1 = DAT Sensor 2 = SAT Sensor (Default) 3 = BAS Supplied DAT
22	Discharge Air Temperature Sensor Source Status	dat_sel_sta_1	AV:82	float value	40043	✓	Discharge Air Temperature Sensor Selection 0 = Zone DAT 1 = DAT Sensor 2 = SAT Sensor 3 = BAS Supplied DAT
23	Demand Level	demand_level_1	AV:64	float value	40045		Demand Level Setup in °F
24	Economizer or Boilerless	econ_boil_mode_1	AV:33	float value	40047		Boilerless / Economizer Selection 0 = Disabled 1 = Boilerless 2 = Water Side Economizer
25	Cooling Setpoint	eff_clg_stpt_1	AV:5	float value	40049	✓	Effective Cooling Setpoint (after setpoint adjustment applied) in °F
26	Discharge Air Temperature Value	eff_dat_1	AV:10	float value	40051	✓	Discharge Air Temperature (DAT) + Offset in °F
27	Entering Water Temperature Value	eff_ewt_1	AV:62	float value	40053	✓	Entering Water Temperature + Offset in °F
28	Heating Setpoint	eff_htg_stpt_1	AV:6	float value	40055	✓	Effective Heating Setpoint (after setpoint adjustment applied) in °F
29	Zone Humidity Value	eff_zone_humid_1	AV:20	float value	40057	✓	Zone Humidity Status + Offset in %
30	Leaving Water Temperature Value	eff_lwt_1	AV:11	float value	40059	✓	Leaving Water Temperature + Offset in °F
31	Load Temperature Value	eff_load_tmp_1	AV:32	float value	40061	✓	Load Temperature (Entering Water) in °F
32	Outdoor Air Temperature Value	eff_oat_1	AV:75	float value	40063	✓	Outdoor Temperature + Offset in °F
33	Zone Temperature Value	eff_zone_temp_1	AV:7	float value	40065	✓	Zone Temperature in °F
34	Hot Gas Re-Heat Modulating Valve	eff_hgr_mod_vlv1_1	AV:28	float value	40067	✓	Hot Gas Reheat Modulating Valve Output Status in %
35	Supply Air Fan Speed Value	eff_sa_fan_speed_1	AV:55	float value	40069	✓	VFD Modulating Air Fan Speed Status in %
36	Supply Air Static Pressure Value	eff_sa_sta_press_1	AV:53	float value	40071	✓	Static Air Pressure Sensor Status in H ₂ O"
37	Zone CO ₂ Level Value	eff_zn_co2_lev_1	AV:25	float value	40073	✓	Zone CO ₂ Levels + Offset in PPM
38	Enabled Compressor Stages	enabled_clstages_1	AV:68	float value	40075	✓	Number of Compressor Stages Enabled
39	Entering Water Loop Temperature Low Trip Point Setpoint	ewlt_low_trip_1	AV:101	float value	40077		Entering Water Loop Temperature Low Trip Setpoint in °F Default: 45 °F
40	Entering Water Loop Temperature Low Trip Point Hysteresis	ewlt_low_trip_hyst_1	AV:102	float value	40079		Entering Water Loop Temperature Low Trip Point Hysteresis in °F Default: 0.0
41	Entering Water Loop Temperature Timer Above Limit	ewlt_trip_timer_1	AV:103	float value	40081		Entering Water Loop Temperature Timer Above Limit in Minutes Default: 15 Minutes
42	Fan Mode Option	fan_mode_1	AV:50	float value	40083		Fan Mode Selection Setup 1 = Standard Fan Configuration (default) 2 = Variable Frequency Drive Configuration



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43	Fan Mode Status	fan_mode_status_1	AV:51	float value	40085	✓	Status of Fan Mode Selection 0 = Start / Stop Fan Operation 1 = Variable Frequency Drive Fan Operation
44	Heating Percentage	htg_pct_1	AV:12	float value	40087	✓	Heating Demand Status in %
45	Input 10 Hardware Configuration	in_10_hw_cfg_1	AV:93	float value	40089		Input Port 10 Hardware Setup 0 = Differential Pressure Switch (DFF) Hardware 1 = Fan Status Switch (FSS) Hardware 2 = OAT Hardware (Default) 3 = Not Installed
46	Input 10 Status	in_10_mode_stat_1	AV:94	float value	40097	✓	Reports Configuration for Input Port 10
47	Input 04 Status	in_4_mode_stat_1	AV:333	float value	40091	✓	Input Port 04 Hardware Status (Configured via BACview Terminal) 0 = VFD Over Current Hardware (From VFD Controller) 1 = CO ₂ Hardware 2 = Not Installed (Default) 3 = CWV Feedback
48	Input 07 Status	in_7_mode_stat_1	AV:334	float value	40093	✓	Input Port 07 Hardware Status (Configured via BACview Terminal) 0 = VFD Overvoltage Hardware (From VFD Controller) 1 = Entering Water Temperature Sensor 2 = Not Installed (Default)
49	Input 09 Status	in_9_mode_stat_1	AV:335	float value	40095	✓	Input Port 09 Hardware Status (Configured via BACview Terminal) 0 = VFD Overload Hardware (From VFD Controller) 2 = Not Installed (Default)
50	Master/Slave Configuration Status	ms_status_1	AV:95	float value	40099	✓	Master/Save Configuration Status
51	Master/Slave Hardware Configuration	ms_cfg_1	AV:96	float value	40101		Master/Save Option Setup 0 = Normal Operation (Default) 1 = Master 2 = Slave
52	Mode Status	mode_status_1	AV:24	float value	40103	✓	Unit Mode of Operation Selection Status 0 = Cooling only 1 = Aux Heat 2 = Heat Pump 3 = Heat Pump + Aux Heat 4 = Heat Pump + Hot Gas Re-Heat 5 = Cooling + Hot Gas Re-Heat 6 = Heat Pump + Hot Gas Reheat + Auxiliary Heat
53	Outside Air Temperature Reset 1	oat_reset1_1	AV:80	float value	40105		Outside Air Temperature (Free Cooling) Operation in °F Default: 50 °F
54	Outside Air Temperature Reset 2	oat_reset2_1	AV:72	float value	40107		Outside Air Temperature (Stage 1 Cooling) Operation in °F Default: 60 °F
55	Outside Air Temperature Reset 3	oat_reset3_1	AV:74	float value	40109		Outside Air Temperature (Stage 2 Cooling) Operation in °F Default: 70 °F
56	Outside Air Temperature Reset 4	oat_reset4_1	AV:76	float value	40111		Outside Air Temperature (Stage 3 Cooling) Operation in °F Default: 78 °F
57	Outside Air Temperature Reset 5	oat_reset5_1	AV:79	float value	40113		Outside Air Temperature (Stage 4 Cooling) Operation in °F Default: 84 °F
58	Outside Air Temperature Reset (Mixed Air)	oat_reset_ht_1	AV:92	float value	40115		Outside Air Mixed Air Temperature (Pre-Heating) Operation in °F Default: 40 °F
59	Outside Air Temperature Reset Mode	oat_rst_mode_1	AV:71	float value	40117		Outside Air Temperature Reset Mode Setup 0 = Single Temperature 1 = Multiple Temperature (Default)



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60	Outside Air Temperature Sensor	oat_sel_1	AV:73	float value	40119		Outside Air Temperature Sensor Setup 0 = BAS supplied OAT 1 = Hardwired OAT Sensor (Default)
61	Outside Air Temperature Status	oat_sel_sta_1	AV:78	float value	40121	✓	Outside Air Temperature Sensor Configuration Status 0 = BAS OAT 1 = Hardwired OAT
62	Occupied Cooling Setpoint	occ_clg_stpt_1	AV:4	float value	40123		Occupied Cooling Setpoint Setup in °F Default: 74 °F
63	Occupied Heating Setpoint	occ_htg_stpt_1	AV:2	float value	40125		Occupied Heating Setpoint Setup in °F Default: 70 °F
64	Occupied Zone Humidity Setpoint	occ_zhumid_stpt_1	AV:21	float value	40127		Occupied Humidity Setpoint Setup in % Default: 65%
65	Cooling Override	clg_ovrde_1	AV:239	float value	40129		Cooling Compressor Output Override 0 = Off 1 = Override Cooling (% Required via BACview Terminal)
66	Heating Override	htg_ovrde_1	AV:312	float value	40131		Heating Compressor Output Override 0 = Off 1 = Override Heating (% Required via BACview Terminal)
67	Outside Air Reset Mode	oat_rst_mode_stat_1	AV:89	float value	40133	✓	Outside Air Temperature Reset Mode Status 0 = Single 1 = Multiple
68	Override Time	ovr_time_1	AV:9	float value	40135	✓	Override Time Remaining (from sensor in space)
69	Humidity Sensor Selection	rh_sensor_sel_1	AV:57	float value	40137		Zone Humidity Selection Setup 0 = RH Sensor S/S 1 = RH Sensor S/S 2 = BAS RH S/S 3 = BAS MOD 4 = DAC MOD (Default) 5 = RH + DAC MOD
70	Supply Air Control Mode	sa_ctrl_mode_1	AV:30	float value	40139		Supply Air Control Mode Setup 0 = SA Setpoint (Default) 1 = SA Reset Setpoint
71	Supply Air Control Mode Status	sa_ctrl_mode_stat_1	AV:98	float value	40141	✓	Supply Air Control Mode Status 0 = SA Setpoint 1 = SA Reset Setpoint
72	Supply Air Static Press High Trip	sa_sta_hi_trip_1	AV:54	float value	40143		High Static Air Pressure Alarm Tip Setpoint inches of H ₂ O Setup Default: 4.0"
73	Supply Air Temperature Source Status	sa_temp_src_stat_1	AV:100	float value	40145	✓	Supply Air Temperature Source Status 0 = BAS provided SA Temperature Value for Zone Reset 1 = Zone Sensor Temperature Value for Zone Reset
74	Supply Air Temperature Zone Reset Source	sa_temp_src_sel_1	AV:99	float value	40147		Supply Air Temperature Source Setup 0 = BAS provided SA Temperature Value for Zone Reset 1 = Zone Sensor Temperature Value for Zone Reset (Default)
75	User Setpoint Adjustment	stpt_adj_1	AV:8	float value	40149	✓	Network status of setpoint adjustment (from sensor in space)
76	Setpoint Adjust	stpt_adj_dem_1	AV:251	float value	40151	✓	Demand Level Setpoint Adjust in °F
77	Static Press Setpoint	sta_press_stpt_1	AV:52	float value	40153		Duct Static Pressure Setpoint in inches of H ₂ O Setup
78	Static Pressure Shutdown	st_press_trip_1	AV:69	float value	40155		Duct Static Pressure Trip in inches of H ₂ O Setup Default: 0.25"
79	Supply Air Fan min speed	saf_min_speed_1	AV:59	float value	40157		Minimum VFD Fan Speed Setpoint Setup Default: 20%

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80	Low Supply Air Temperature (DAC)	sat_lo_trip_1	AV:77	float value	40159		Low Supply Air Temperature (DAC) Setup Default: < 80 °F
81	Supply Air Setpoint Differential	sat_hi_trip_1	AV:63	float value	40161		Supply Air Temperature High Trip Setpoint Setup
82	Supply Air Setpoint Differential	sat_stpt_diff_1	AV:65	float value	40163		Supply Air Setpoint Differential in °F
83	Supply Air Temperature	eff_sat_1	AV:67	float value	40165	✓	Supply Air Temperature Status in °F
84	Supply Air Temp Setpoint	sa_setpt_1	AV:31	float value	40167	✓	Supply Air Temperature Setpoint in °F
85	System Status	sys_status_1	AV:16	float value	40169	✓	General System Status 0 = Unoccupied 1 = Occupied 2 = Fan Only 3 = Heating 4 = Cooling 5 = Transition to Cool 6 = Transition to Heat 7 = Manual Cool 8 = Manual Heat 9 = Aux Heat 10 = Re-Heat 11 = Manual Re-Heat 12 = Transition to Re-Heat
86	Unit Mode	unit_mode_1	AV:23	float value	40171		Unit Mode Setup 0 = Cooling only 1 = Aux Heat 2 = Heat Pump 3 = Heat Pump + Aux Heat 4 = Heat Pump + Hot Gas Re-Heat (Default) 5 = Cooling + Hot Gas Re-Heat 6 = Heat Pump + Hot Gas Re-Heat +Auxiliary Electric Heat
87	Unoccupied Cooling Setpoint	unocc_clg_stpt_1	AV:3	float value	40173		Unoccupied Cooling Setpoint Setup in °F Default: 90 °F
88	Unoccupied Heating Setpoint	unocc_htg_stpt_1	AV:1	float value	40175		Unoccupied Heating Setpoint Setup in °F Default: 55 °F
89	Zone CO ₂ High Trip	zn_co2_hi_trip_1	AV:27	float value	40177		Level of CO ₂ reported as a High Level Alarm
90	Zone Humidity Setpoint Differential	zhumid_stpt_diff_1	AV:22	float value	40179		Zone Humidity Setpoint Differential in % Default: 2%, Range 1% - 5%
91	Alarm Status	alm_status_1	BV:24	discrete in	10001	✓	Alarm Status of Unit (see "Current Alarm" for more information)
92	Allow Condensate Water (CWV) Valve Alarm	allow_cvv_alm_1	BV:106	discrete out	1		Enable Condensate Water Valve Alarm Pass Through 0 = Off 1 = Enable CWV Alarm
93	Aux Heat Output Stage 2 (Flex + Expander)	aux_htg2_cmd_1	BV:84	discrete in	10002	✓	Auxiliary Heat Output Stage 2 Command Status (Flex + Expander) 0 = Off 1 = Heat On
94	Aux Heat Output Stage 3 (Flex + Expander)	aux_htg3_cmd_1	BV:86	discrete in	10003	✓	Auxiliary Heat Output Stage 3 Command Status (Flex + Expander) 0 = Off 1 = Heat On
95	Aux Heat Output Stage 4 (Flex + Expander)	aux_htg4_cmd_1	BV:88	discrete in	10004	✓	Auxiliary Heat Output Stage 4 Command Status (Flex + Expander) 0 = Off 1 = Heat On

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96	Aux Heat Output Stage 1 (Flex + Expander)	aux_htg_cmd_1	BV:20	discrete in	10005	✓	Auxiliary Heat Output Stage 1 Command Status (Flex + Expander) 0 = Off 1 = Heat On
97	Aux Heat Output Stage 1 (Flex Only)	aux_htg1_fo_1	BV:97	discrete in	10006	✓	Auxiliary Heat Output Stage 1 Command Status (Flex Only) 0 = Off 1 = Heat On
98	Aux Heat Output Stage 2 (Flex Only)	aux_htg2_fo_1	BV:98	discrete in	10007	✓	Auxiliary Heat Output Stage 2 Command Status (Flex Only) 0 = Off 1 = Heat On
99	Backup Heat Lock	bkup_ht_lock_1	BV:61	discrete out	2		Backup Heat Lock Enabled 0 = Off 1 = On (Heating % must be provided via BACview)
100	BAS Smoke Detector Input	bas_sd_in_1	BV:91	discrete out	3		BAS supplied input for Smoke Detector (Network Supplied) 0 = Normal 1 = Smoke Alarm Active
101	Brownout Alert (1-2 Compressors)	brn_2st_1	BV:10	discrete in	10029	✓	UPM Board 1 Brownout Alarm Status 0 = Normal 1 = Brownout Alarm Active
102	Brownout Alert (3-4 Compressors)	brn_4st_1	BV:58	discrete in	10030	✓	UPM Board 2 Brownout Alarm Status 0 = Normal 1 = Brownout Alarm Active
103	Occupancy Command Enable (BAS)	occupancy_cmd_1	BV:1	discrete out	4		Occupancy Command (BAS) 0 = Disable Unit Operation 1 = Enable Unit Operation
104	Compressor Stage 1 Runtime Alarm	comp1_rntm_1	BV:35	discrete in	10031	✓	Compressor 1 Runtime Alarm Status, (Hours) 0 = Off 1 = Timer Has Expired
105	Compressor Stage 2 Runtime Alarm	comp2_rntm_1	BV:36	discrete in	10032	✓	Compressor 2 Runtime Alarm Status, (Hours) 0 = Off 1 = Timer Has Expired
106	Compressor Stage 3 Runtime Alarm	comp3_rntm_1	BV:69	discrete in	10033	✓	Compressor 3 Runtime Alarm Status (Hours) 0 = Off 1 = Timer Has Expired
107	Compressor Stage 4 Runtime Alarm	comp4_rntm_1	BV:71	discrete in	10034	✓	Compressor 4 Runtime Alarm Status (Hours) 0 = Off 1 = Timer Has Expired
108	Compressor Stage 1 Runtime Reset	cmp1_rntm_rst_1	BV:13	discrete out	5		Compressor 1 Runtime Reset. Momentary On/Off required.
109	Compressor Stage 2 Runtime Reset	cmp2_rntm_rst_1	BV:14	discrete out	6		Compressor 2 Runtime Reset. Momentary On/Off required.
110	Compressor Stage 3 Runtime Reset	cmp3_rntm_rst_1	BV:68	discrete out	7		Compressor 3 Runtime Reset. Momentary On/Off required.
111	Compressor Stage 4 Runtime Reset	cmp4_rntm_rst_1	BV:70	discrete out	8		Compressor 4 Runtime Reset. Momentary On/Off required.
112	Compressor Stage 1 Output Command	cmp_stg1_cmd_1	BV:11	discrete in	10008	✓	Compressor Stage 1 Output Status 0 = Compressor Stage 1 Off 1 = Compressor 1 On
113	Compressor Stage 2 Output Command	cmp_stg2_cmd_1	BV:12	discrete in	10009	✓	Compressor Stage 2 Output Status 0 = Compressor 2 Off 1 = Compressor 2 On
114	Compressor Stage 3 Output Command	cmp_stg3_cmd_1	BV:66	discrete in	10010	✓	Compressor Stage 3 Output Status 0 = Compressor 3 Off 1 = Compressor 2 On



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115	Comp Stage 4 Output Command	cmp_stg4_cmd_1	BV:67	discrete in	10011	✓	Compressor Stage 4 Output Status 0 = Compressor 2 Off 1 = Compressor 2 On
116	Condensate Drain Alarm (1)	con_2st_1	BV:9	discrete in	10035	✓	UPM Board 1 Condensate Alarm 0 = Normal 1 = Condensate Alarm
117	Condensate Drain Alarm (2)	con_4st_1	BV:57	discrete in	10036	✓	UPM Board 2 Condensate Alarm 0 = Normal 1 = Condensate Alarm
118	Condenser Valve Status	cond_vlv_status_1	BV:105	discrete in	10012	✓	Condenser Valve Status (Closed to Enable Compressor Operation) 0 = Compressor Operation Disabled 1 = Compressor Operation Enabled
119	Continuous Fan	cont_fan_1	BV:18	discrete out	9		Run Fan continuously During Occupancy Mode Setup 0 = Cycle Fan with Compressor Operation 1 = Run Fan when Occupied (Default)
120	Cooling Economizer Valve	clg_econ_1	BV:63	discrete in	10013	✓	Economizer Valve Status 0 = Off 1 = On
121	High Supply Air Temperature	csat_hi_1	BV:80	discrete in	10037	✓	High Cooling Supply Air Temperature Alarm 0 = Normal 1 = High Supply Temperature Alarm Active
122	Condenser Water Valve Failure	cwv_fail_1	BV:107	discrete in	10038	✓	Condenser Water Valve Failure Alarm
123	Condenser Water Valve Hand Alarm	cwv_hand_1	BV:108	discrete in	10039	✓	Condenser Hand Alarm Condenser Valve Command Enabled without unit commanded
124	Condenser Water Valve Command	cwv_command_1	BV:109	discrete in	10014	✓	Condenser Water Valve Command Status 0 = Off 1 = On
125	Discharge Air Temperature Sensor Failure	da_sen_1	BV:31	discrete in	10040	✓	Discharge Air Temperature Sensor Alarm (Sensor) 0 = Sensor Connected 1 = Sensor Not Installed
126	Damper Output Command	damper_cmd_1	BV:49	discrete in	10015	✓	Damper Output Status 0 = Closed 1 = Open
127	High Discharge Air Temperature	dat_hi_1	BV:29	discrete in	10041	✓	Discharge Air Temperature Sensor Alarm (Cooling) 0 = Normal 1 = High DAT (Default: >70 °F)
128	Low Discharge Air Temperature	dat_lo_1	BV:30	discrete in	10042	✓	Discharge Air Temperature Sensor Alarm (Heating) 0 = Normal 1 = Low DAT (Default: >75 °F)
129	Digital Override Notification	do_lock_1	BV:37	discrete in	10043	✓	Digital Override Lock Alarm 0 = Normal 1 = Digital Override Has Been Enabled
130	Differential Pressure Switch Alarm	dps_alarm_1	BV:77	discrete in	10044	✓	Differential Pressure Switch (DPS) 0 = Normal 1 = Active DPS
131	Global Compressor Runtime Alarm	dx_rntm_1	BV:79	discrete in	10045	✓	Compressor Runtime Alarm for Any Compressor 0 = Normal 1 = Compressor Time Expired (Default: 8760 Hrs)



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132	Hot Gas Re-Heat Valve Output Status	eff_hgrv_cmd_1	BV:44	discrete in	10016	✓	Hot Gas Re-Heat Valve Output Status 0 = Off 1 = Valve Enabled
133	Entering Water Temperature Sensor Failure	elw_sen_1	BV:72	discrete in	10046	✓	Entering Water Temperature Sensor Alarm 0 = Normal 1 = Sensor Failure Alarm (Check Hardware Configuration)
134	Entering Water Screen	ew_screen_1	BV:82	discrete in	10017	✓	Entering Water Screen Status
135	Fan Output Command	fan_cmd_1	BV:17	discrete in	10018	✓	Fan Output Status (O) 0 = Off 1 = Fan Output On
136	Filter Alarm	filter_1	BV:40	discrete in	10047	✓	Filter Alarm 0 = Normal 1 = Active
137	Filter Service	filter_status_1	BV:176	discrete in	10019	✓	Filter Status 0 = Normal 1 = Clean Filter
138	Condenser Coil Freeze Sensor (1-2)	frz_2st_1	BV:8	discrete in	10048	✓	UPM Board 1 Freeze Alarm 0 = Normal 1 = Active Freeze Condition
139	Condenser Coil Freeze Sensor (3-4)	frz_4st_1	BV:56	discrete in	10049	✓	UPM Board 2 Freeze Alarm 0 = Normal 1 = Active Freeze Condition
140	Boilerless Operation	htg_econ_1	BV:62	discrete in	10020	✓	Boilerless Operation Status 0 = Off 1 = Compressors Off & Electric Heat Enabled
141	High Static Status	blw_static_status_1	BV:96	discrete in	10021	✓	High Static Pressure Status 0 = Normal 1 = High Static Pressure
142	High Pressure Fault Compressor 1	hp1_2st_1	BV:5	discrete in	10050	✓	UPM Board 1 High Pressure Alarm Status for Compressor 1 0 = Normal 1 = Active High Pressure 1 Alarm
143	High Pressure Fault Compressor 2	hp2_2st_1	BV:52	discrete in	10051	✓	UPM Board 2 High Pressure Alarm Status for Compressor 3 0 = Normal 1 = Active High Pressure 3 Alarm
144	High Pressure Fault Compressor 3	hp3_3st_1	BV:7	discrete in	10052	✓	UPM Board 1 High Pressure Alarm Status for Compressor 2 0 = Normal 1 = High Pressure 2 Alarm
145	High Pressure Fault Compressor 4	hp4_4st_1	BV:54	discrete in	10053	✓	UPM Board 2 High Pressure Alarm Status for Compressor 4 0 = Normal 1 = High Pressure 4 Alarm
146	HSAT_LO Low Supply Air Temperature (Heating Discharge Air Control)	hsat_lo_1	BV:245	discrete in	10054	✓	Heating Supply Air Temp Alarm (Low) 0 = Normal 1 = Active (Default: <80 °F)
147	Inputs Override Status	input_lock_1	BV:38	discrete in	10055	✓	Software Input Lock Alarm 0 = Normal 1 = Software Lock Enabled
148	Loop Enabled	loop_enabled_1	BV:23	discrete out	10		Loop Status 0 = Disable Heat/Cool 1 = Allow Heating and Cooling



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149	Low Static Pressure	sta_press_low_1	BV:81	discrete in	10056	✓	Low Static Pressure Alarm 0 = Normal 1 = Alarm Active (Default: 0.25")
150	Low Pressure Fault - Compressor 1	lp1_2st_1	BV:4	discrete in	10057	✓	UPM Board 1 Low Pressure Alarm Status for Compressor 1 0 = Normal 1 = LP1 Alarm Active
151	Low Pressure Fault - Compressor 2	lp2_2st_1	BV:53	discrete in	10058	✓	UPM Board 2 Low Pressure Alarm Status for Compressor 3 0 = Normal 1 = LP3 Alarm Active
152	Low Pressure Fault - Compressor 3	lp3_3st_1	BV:6	discrete in	10059	✓	UPM Board 1 Low Pressure Alarm Status for Compressor 2 0 = Normal 1 = LP2 Alarm Active
153	Low Pressure Fault - Compressor 4	lp4_4st_1	BV:55	discrete in	10060	✓	UPM Board 2 Low Pressure Alarm Status for Compressor 4 0 = Normal 1 = LP4 Alarm Active
154	High Leaving Water Temperature	lvg_hi_1	BV:32	discrete in	10061	✓	Leaving Water Temperature Alarm (High) 0 = Normal 1 = High LWT Alarm Active (Default: >135 °F)
155	Low Leaving Water Temperature	lvg_lo_1	BV:33	discrete in	10062	✓	Leaving Water Temperature (LWT) Alarm (Low) 0 = Normal 1 = Low LWT Alarm Active (Default: <21 °F)
156	Leaving Water Sensor Failure	lvg_sen_1	BV:34	discrete in	10063	✓	Leaving Water Temperature Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check Sensor Hardware Configuration)
157	Night Setback Status	nsb_status_1	BV:22	discrete in	10022	✓	Night Setback Status 0 = Disabled 1 = Night Setback Enabled
158	Outside Air Sensor Failure	oat_sen_1	BV:99	discrete in	10064	✓	Outside Air Temperature Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check Sensor Hardware Configuration)
159	Occupancy Status	occ_status_1	BV:21	discrete in	10023	✓	Occupancy Status 0 = Unoccupied 1 = Occupied
160	Output Override Lock	clg_ovrde_lock_1	BV:188	discrete out	11		Cooling Override Lock Setup - Test and Balance 0 = Off 1 = On
161	Over Current Status	blw_ovrc_status_1	BV:93	discrete in	10024	✓	Over Current Status (Provided by VFD) 0 = Normal 1 = Over Current Detected
162	Overload	blwr_ovrload_alm_1	BV:75	discrete in	10065	✓	Blower Overload Alarm 0 = Normal 1 = Overload Detected
163	Overload Status	blw_ovrload_status_1	BV:74	discrete in	10025	✓	Blower Overload Input Status 0 = Normal 1 = Active Blower Overload
164	Overvoltage Status	blw_ovrv_status_1	BV:95	discrete in	10026	✓	Overvoltage Status (Provided by VFD) 0 = Normal 1 = Overvoltage Detected

#	Point Description Name	BACnet		MODBUS		Read Only	Description
		Name	Type ID	Object Type	Register		
165	Blower Over Current Lockout	blwr_ovrcurrent_alm_1	BV:92	discrete in	10066	✓	Blower Over Current Alarm 0 = Normal 1 = Over Current Detected
166	Blower Overvoltage Lockout	blwr_ovrv_alm_1	BV:94	discrete in	10067	✓	Blower Overvoltage Alarm 0 = Normal 1 = Overvoltage Detected
167	Reset Fan Runtime	fan_rntm_rst_1	BV:19	discrete out	12		Reset Fan Runtime. Momentary On/Off required. Toggled upon filter change.
168	Reversing Valve Action	rev_vlv_act_1	BV:16	discrete out	13		Reversing Valve Action Parameter Setup. Setting this option will reverse the operation of the unit. 0 = Heating is enabled 1 = Cooling is enabled (Default)
169	Reversing Valve Output Command	rev_vlv_cmd_1	BV:15	discrete in	10027	✓	Reversing Valve Output Status 0 = Valve De-energized 1 = Valve Energized
170	Smoke Alarm Configuration Error	sa_config_error_1	BV:90	discrete in	10068	✓	Smoke Alarm Configuration Alarm
171	Static Air Pressure Sensor Failure	sas_sen_1	BV:65	discrete in	10069	✓	Static Air Pressure Sensor Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check Sensor Hardware)
172	High Static Pressure	sas_hi_1	BV:64	discrete in	10070	✓	Static Air Pressure Alarm (High) 0 = Normal 1 = High Static Pressure (Default: 4.0" H₂O)
173	High Cooling Supply Air Temperature	sat_hi_1	BV:78	discrete in	10071	✓	Cooling Supply Air Temperature (SAT) Alarm (High) 0 = Normal 1 = High SAT Alarm Active
174	Low Heating Supply Air Temperature	sat_lo_1	BV:206	discrete in	10072	✓	Heating Supply Air Temp Alarm (Low) 0 = Normal 1 = Low SAT Alarm Active
175	Supply Air Temperature Sensor Alarm	sat-sen_1	BV:73	discrete in	10073	✓	Supply Air Temperature Sensor Failure 0 = Normal 1 = Sensor Failure (Check Sensor Hardware)
176	Smoke Detector Alarm	smoke_1	BV:89	discrete in	10074	✓	Smoke Detector Alarm 0 = Normal 1 = Alarm
177	Smoke Event Status	smoke_status_1	BV:87	discrete in	10028	✓	Smoke Alarm Status 0 = Normal 1 = Smoke Detector Active
178	UPM Alarm Input - Board 2	upm2_input_1	BV:59	discrete in	10075	✓	UPM Input Failure Alarm - Board 2 0 = UPM Connected 1 = UPM Connection Failure
179	UPM Alarm Input - Board 1	upm_input_1	BV:39	discrete in	10076	✓	UPM Input Failure Alarm - Board 1 0 = UPM Connected 1 = UPM Connection Failure
180	UPM Reset - Board 2	upm2_rst_1	BV:60	discrete out	14		UPM Board 2 Reset. Momentary On/Off required.
181	UPM Reset - Board 1	upm_rst_1	BV:25	discrete out	15		UPM Board 1 Reset. Momentary On/Off required.
182	High Humidity Alarm	zhumid_hi_1	BV:45	discrete in	10077	✓	Zone Humidity Alarm (High) 0 = Normal 1 = High Humidity (Default: 10% above Setpoint)



#	Point Description Name	BACnet		MODBUS		Read Only	Description
		Name	Type ID	Object Type	Register		
183	Low Humidity Alarm	zhumid_lo_1	BV:46	discrete in	10078	✓	Zone Humidity Alarm (Low) 0 = Normal 1 = Low Humidity (Default: 30% below Setpoint)
184	Humidity Sensor Hardware Failure	zhumid_sen_1	BV:47	discrete in	10079	✓	Zone Humidity Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check Sensor Failure)
185	CO ₂ Hardware Failure Alarm	zn_co2_fail_1	BV:51	discrete in	10080	✓	CO ₂ Zone Sensor Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check Sensor Hardware)
186	High CO ₂ Alarm	zn_co2_hi_1	BV:48	discrete in	10081	✓	CO ₂ Zone Sensor Alarm (High) 0 = Normal 1 = High CO ₂ Level (Default: >1995 PPM)
187	RS Zone Sensor Hardware Failure	zone_sen_1	BV:28	discrete in	10082	✓	Zone Sensor Failure Alarm 0 = Normal 1 = Sensor Failure (Check Sensor Hardware)
188	Remote Temperature Sensor Failure	zrem_sen_1	BV:43	discrete in	10083	✓	Remote Temperature Zone Sensor Failure Alarm 0 = Normal 1 = Sensor Failure (Check Sensor Hardware)
189	High Remote Temperature Alarm	zrem_hi_1	BV:41	discrete in	10084	✓	Remote Sensor Zone Temperature Alarm (High) 0 = Normal 1 = High Zone Temperature (Default: 10 °F Above Setpoint)
190	Low Remote Temperature Alarm	zrem_lo_1	BV:42	discrete in	10085	✓	Remote Sensor Zone Temperature Alarm (Low) 0 = Normal 1 = Low Zone Temperature (Default: 10 °F Below Setpoint)
191	High RS Zone Sensor Temperature Alarm	ztmp_hi_1	BV:26	discrete in	10086	✓	Zone Temperature Alarm (High) 0 = Normal 1 = High Zone Temperature (Default: 10 °F Above Setpoint)
192	Low RS Zone Sensor Temperature Alarm	ztmp_lo_1	BV:27	discrete in	10087	✓	Zone Temperature Alarm (Low) 0 = Normal 1 = Low Zone Temperature (Default: 10 °F Below Setpoint)