

#	Point Description Name	BACnet		MODBUS		N2		LON			Read Only	Description
		Name	Type ID	Object Type	Register	Type	ID	SNVT #	Name	SNVT		
1	BAS CO ₂ Sensor Value	bas_co2_val_1	AV:49	float value	40001	data float	1	48	nviBASCO2Val	SNVT_temp_p (105)		BAS CO ₂ Sensor Value in PPM
2	BAS Mixed Air Temperature (MAT)	bas_mat_1	AV:86	float value	40003	data float	2	-	-	-		BAS Mixed Air Temperature Value in °F
3	BAS Outdoor Air Temperature	effective_oat_1	AV:29	float value	40005	data float	3	54	nviBASOATVal	SNVT_temp_p (105)		Effective Outside Air Temperature in °F
4	BAS Relative Humidity Sensor Value	bas_rh_sen_val_1	AV:56	float value	40007	data float	4	59	nviBasRhSen	SNVT_lev_percent (81)		RH Sensor Value Supplied by BAS in %
5	BAS Temperature Sensor Value	bas_sen_val_1	AV:19	float value	40009	data float	5	51	nviBASSenVal	SNVT_temp_p (105)		BAS Zone Temperature Sensor Value in °F
6	CO ₂ Sensor Selection	co2_sensor_ena_1	AV:26	float value	40011	data float	6	-	-	-		CO ₂ Source Option Setup 0 = No CO ₂ 1 = CO ₂ Monitoring 2 = CO ₂ + Damper 3 = BAS CO₂ Monitoring (Default) 4 = CO ₂ BAS + Damper 5 = Fan On + Damper Open 6 = CO ₂ + Mod Damper
7	Coil Configuration	coil_cfg_1	AV:94	float value	40013	data float	7	-	-	-		Coil Configuration Setup 0 = Parallel (Default) 1 = Series
8	Coil Configuration Status	coil_cfg_status_1	AV:95	float value	40015	data float	8	-	-	-	✓	Coil Configuration Status 0 = Parallel 1 = Series
9	Compressor Control Status	comp_ctrl_status_1	AV:66	float value	40017	data float	9	55	nvoCmpCtrlStat	SNVT_count_inc (9)	✓	Compressor Control Status 0 = Zone Control 1 = Discharge Air Control
10	Compressors Mode	comp_mode_1	AV:64	float value	40019	data float	10	-	-	-		Compressor Mode Setup 0 = Zone Control 1 = Discharge Air Control (Default)
11	Compressor Stages Status	cmp_stgs_1	AV:14	float value	40021	data float	11	1	nvoCmpStgs	SNVT_count (8)	✓	Configured Compressor Stages (Configured via BACview Terminal) 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
12	Control Source	ctrl_source_1	AV:15	float value	40023	data float	12	2	nviCtrlSrc	SNVT_count_inc (9)		Control Source for Occupancy Setup 0 = Digital Input 1 1 = Keypad Schedule 2 = BAS Occupancy Command 3 = Factory Use 4 = Manual On-Continuous (Default)
13	Cooling Demand Percentage	clg_pct_1	AV:13	float value	40025	data float	13	3	nvoClgPct	SNVT_lev_cont (21)	✓	Cooling Status in Demand Percent, %
14	Control Sensor Source	ctrl_sen_sel_1	AV:18	float value	40027	data float	14	50	nviCtrlSenSel	SNVT_count_inc (9)		Controlling Temperature Sensor Setup 0 = RS Sensor (Default) 1 = Remote Sensor 2 = BAS Temperature Sensor
15	Current Alarm Condition Status	current_alarm_1	AV:17	float value	40029	data float	15	4	nvoCurAlm	SNVT_count (8)	✓	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
16	Damper Occupancy	mdpr_occ_sel_1	AV:97	float value	40031	data float	16	-	-	-		Damper Occupancy Selection Setup 0 = Disabled 1 = Occupied (Default) 2 = Unoccupied 3 = Any Occupancy
17	DI5 Mode (Digital Input 5)	di5_mode_1	AV:60	float value	40033	data float	17	-	-	-		Input 5 Mode Selection Setup (Port Expander Required for Some Options) 0 = Filter Switch (Default) 1 = Economizer 2 = Differential Pressure Switch 3 = Secondary Condensate Pan 4 = Filter, Fan Status Switch, Valve End Switch 5 = Smoke, Fan Status Switch, Valve End Switch 6 = Filter, Fan Status Switch, Differential Pressure Switch 7 = Smoke, Fan Status Switch, Filter Switch 8 = Filter, Fan Status Switch, Damper End Switch 9 = Boilerless 10 = Smoke, Fan Status Switch, Secondary Drain Pan

#	Point Description Name	BACnet		MODBUS		N2		LON			Read Only	Description
		Name	Type ID	Object Type	Register	Type	ID	SNVT #	Name	SNVT		
18	DI5 Mode Status	di5_mode_status_1	AV:61	float value	40035	data float	18	-	-	-	✓	Reports Configuration of DI5 Mode Setup
19	Discharged Air Temperature Setpoint	dat_stpt_1	AV:30	float value	40037	data float	19	57	nviDatStpt	SNVT_temp_p (105)		Discharged Air Temperature Setpoint Setup in °F Default: 65 °F
20	Cooling Setpoint	eff_clg_stpt_1	AV:5	float value	40039	data float	20	5	nvoEffClgStpt	SNVT_temp_p (105)	✓	Effective Cooling Setpoint (after setpoint adjustment applied) in °F
21	Discharge Air Temperature (DAT)	eff_dat_1	AV:10	float value	40041	data float	21	6	nvoEffDat	SNVT_temp_p (105)	✓	Discharge Air Temperature (DAT) in °F
22	Entering Water Temperature	eff_ewt_1	AV:62	float value	40043	data float	22	44	nvoEffEwt	SNVT_temp_p (105)	✓	Water Side Economizer Effective Entering Water Temperature in °F
23	Heating Setpoint	eff_htg_stpt_1	AV:6	float value	40045	data float	23	8	nvoEffHtgStpt	SNVT_temp_p (105)	✓	Effective Heating Setpoint (after setpoint adjustment applied) in °F
24	Damper Position	eff_dpr_pos_screen_1	AV:81	float value	40047	data float	24	-	-	-	✓	Effective Outside Air Damper Position in %
25	Zone Humidity	eff_zone_humid_1	AV:20	float value	40049	data float	25	41	nvoEffZnHum	SNVT_lev_percent (81)	✓	Effective Zone Humidity in Percent RH (%)
26	Leaving Water Temperature (LWT)	eff_lwt_1	AV:11	float value	40051	data float	26	7	nvoEffLwt	SNVT_temp_p (105)	✓	Effective Leaving Water Temperature Status in °F
27	Mixed Air Temperature (MAT)	eff_mat_1	AV:87	float value	40053	data float	27	-	-	-	✓	Effective Mixed Air Temperature in °F
28	Outdoor Air Temperature (OAT)	eff_oat_1	AV:75	float value	40055	data float	28	58	nvoEffOat	SNVT_temp_p (105)	✓	Effective Outdoor Temperature Status in °F
29	Zone Temperature	eff_zone_temp_1	AV:7	float value	40057	data float	29	9	nvoEffZnTemp	SNVT_temp_p (105)	✓	Effective Zone Temperature Status in °F
30	Hot Gas Reheat Modulating Valve Status	eff_hgr_mod_vlv_1	AV:28	float value	40059	data float	30	49	nvoMdRhVlvSts	SNVT_lev_cont (21)	✓	Effective Hot Gas Reheat Modulating Valve Output Status
31	Static Air Fan Speed	eff_sa_fan_speed_1	AV:55	float value	40061	data float	31	56	nvoSAFspeed	SNVT_lev_cont (21)	✓	Effective Static Air Fan Speed in %
32	Supply Air Duct Static Pressure	eff_sa_sta_press_1	AV:53	float value	40063	data float	32	-	-	-	✓	Effective Static Air Pressure Sensor Status in H ₂ O"
33	Zone CO ₂ Level	eff_zn_co2_lev_1	AV:25	float value	40065	data float	33	45	nvoEffCO2	SNVT_temp_p (105)	✓	Effective Zone CO ₂ Levels in PPM
34	Compressor Enabled Stages	enabled_clstages_1	AV:68	float value	40067	data float	34	-	-	-	✓	Compressor Stages Enabled
35	Fan Mode	fan_mode_1	AV:50	float value	40069	data float	35	-	-	-		Fan Mode Selection Setup 1 = Standard Fan Configuration (Default) 2 = Variable Frequency Drive Configuration (VFD)
36	Fan Mode Status	fan_mode_status_1	AV:51	float value	40071	data float	36	-	-	-	✓	Fan Mode Status
37	Heating Percentage	htg_pct_1	AV:12	float value	40073	data float	37	10	nvoHtgPct	SNVT_lev_cont (21)	✓	Heating Capacity in %
38	Mix Air Temperature Source Status	mat_sel_status_1	AV:84	float value	40075	data float	38	-	-	-	✓	Mixed Air Temperature Sensor Source Status 0 = BAS MAT 1 = Wired MAT
39	Mixed Air Temperature Sensor	mat_sel_1	AV:85	float value	40077	data float	39	-	-	-		Mixed Air Temperature Sensor Source Setup 0 = BAS MAT (Default) 1 = Wired MAT
40	Minimum Damper Position	min_mdpr_pos_1	AV:79	float value	40079	data float	40	-	-	-		Minimum Damper Position Setup Default = 5%, Minimum: 0%, Maximum: 100%
41	Mixed Air Control	ma_mode_1	AV:83	float value	40081	data float	41	-	-	-		Mixed Air Control Mode Setup 0 = Off (Default) 1 = Mixed Air Control
42	Mixed Air Control Status	ma_ctrl_status_1	AV:82	float value	40083	data float	42	-	-	-	✓	Mixed Air Control Mode Status 0 = Off 1 = Mixed Air Control Enabled
43	Mixed Air Temperature Setpoint	mat_stpt_1	AV:90	float value	40085	data float	43	-	-	-		Mixed Air Temperature Setpoint Default: 42 °F, Minimum: 40°F, Maximum: 60°F
44	Mode Status	mode_status_1	AV:24	float value	40087	data float	44	53	nvoModeSts	SNVT_count_inc (9)	✓	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
45	Outside Air Temperature Reset Setpoint 1	oat_reset1_1	AV:69	float value	40089	data float	45	-	-	-		Outside Air Temperature (Free Cooling Temperature) Operation in °F Default: 50 °F
46	Outside Air Temperature Reset Setpoint 2	oat_reset2_1	AV:72	float value	40091	data float	46	-	-	-		Outside Air Temperature (Stage 1 Cooling Temperature) Operation in °F Default: 60 °F
47	Outside Air Temperature Reset Setpoint 3	oat_reset3_1	AV:74	float value	40093	data float	47	-	-	-		Outside Air Temperature (Stage 2 Cooling Temperature) Operation in °F Default: 75 °F
48	Outside Air Temperature Reset MA Setpoint	oat_reset_ht_1	AV:92	float value	40095	data float	48	-	-	-		Outside Air Temperature Reset Mixed Air (Stage 1 Heating) Operation in °F Default: 40 °F
49	Outside Air Temperature Reset Mode	oat_rst_mode_1	AV:71	float value	40097	data float	49	-	-	-		Outside Air Temperature Reset Setup 0 = Single 1 = Multiple (Default)
50	Outside Air Temperature Sensor	oat_sel_1	AV:73	float value	40099	data float	50	-	-	-		Outside Air Temperature Reset Selection Setup 1 = BAS (Building Automation System) 2 = HW (Hardwired Sensor) (Default)
51	Outside Air Temperature Sensor Source Status	oat_sel_sta_1	AV:78	float value	40101	data float	51	-	-	-	✓	Outside Air Temperature Sensor Source Status 0 = BAS OAT Source 1 = Hardwired OAT Source (Default)
52	Occupied Cooling Setpoint	occ_clg_stpt_1	AV:4	float value	40103	data float	52	11	nviOccClgStpt	SNVT_temp_p (105)		Occupied Cooling Setpoint Setup in °F Default: 74 °F
53	Occupied Heating Setpoint	occ_htg_stpt_1	AV:2	float value	40105	data float	53	12	nviOccHtgStpt	SNVT_temp_p (105)		Occupied Heating Setpoint Setup in °F Default: 70 °F
54	Occupied Zone Humidity Setpoint	occ_zhumid_stpt_1	AV:21	float value	40107	data float	54	42	nviOccZnHumStpt	SNVT_lev_percent (81)		Occupied Humidity Setpoint Setup in % Default: 55%, Minimum: 20%, Maximum: 95%

#	Point Description Name	BACnet		MODBUS		N2		LON			Read Only	Description
		Name	Type ID	Object Type	Register	Type	ID	SNVT #	Name	SNVT		
55	Outside Air Reset Mode Status	oat_rst_mode_stat_1	AV:70	float value	40109	data float	55	-	-	-	✓	Outside Air Temperature Sensor Reset Status 0 = Single 1 = Multiple
56	Override Time	ovr_time_1	AV:9	float value	40111	data float	56	13	nvoOvrTime	SNVT_count (8)	✓	Override Time Remaining (from sensor in space)
57	Pre-Heat Output Override	pre_htg_ovrde_1	AV:175	float value	40113	data float	57	-	-	-		Pre-Heat Override Output 0 = Off (Default) 1 = On
58	Humidity Sensor Source Select	rh_sensor_sel_1	AV:57	float value	40115	data float	58	-	-	-		Zone Humidity Selection Setup 1 = RH Sensor S/S (Default) 2 = BAS RH S/S 3 = BAS MOD 4 = DAC MOD 5 = RH + DAC MOD
59	Supply Air Static Pressure High Trip	sa_sta_hi_trip_1	AV:54	float value	40117	data float	59	-	-	-		High Static Air Pressure Alarm Trip Setpoint inches of H ₂ O Default: 2.75 "H₂O
60	Setpoint Adjust	stpt_adj_1	AV:8	float value	40119	data float	60	14	nvoStptAdj	SNVT_temp_p (105)	✓	Network status of setpoint adjustment (from sensor in space)
61	Static Press Setpoint	sta_press_stpt_1	AV:52	float value	40121	data float	61	46	nviStatPressSpt	SNVT_press_p (113)		Static Pressure Setpoint in inches of H ₂ O Setup Default: 1.00 "H₂O
62	Supply Air Fan Minimum Speed	saf_min_speed_1	AV:59	float value	40123	data float	62	-	-	-		Minimum VFD Fan Speed Setpoint Setup Default: 40%
63	Supply Air Low Trip	sat_lo_trip_1	AV:77	float value	40125	data float	63	-	-	-		Supply Air Temperature Low Trip Setpoint Setup (Heating DAC) Default: 80.0 °F
64	Supply Air Setpoint Differential	dat_stpt_diff_1	AV:58	float value	40127	data float	64	-	-	-		Supply Air Temperature Setpoint Differential Setup Default: 2.0 °F
65	Supply Air High Trip	sat_hi_trip_1	AV:63	float value	40129	data float	65	-	-	-		Supply Air Temperature High Trip Setpoint Setup Default: 67.0 °F
66	System Status	sys_status_1	AV:16	float value	40131	data float	66	15	nvoSysStatus	SNVT_count (8)	✓	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
67	Unit Mode	unit_mode_1	AV:23	float value	40133	data float	67	52	nviUnitMode	SNVT_count_inc (9)		Unit Mode Setup 0 = Cooling only 1 = Aux Heat 2 = Heat Pump (Default) 3 = Heat Pump + Aux Heat 4 = Heat Pump + Hot gas Re-Heat 5 = Cooling + Hot Gas Re-Heat
68	Unoccupied Cooling Setpoint	unocc_clg_stpt_1	AV:3	float value	40135	data float	68	16	nviUnoccClgStpt	SNVT_temp_p (105)		Unoccupied Cooling Setpoint Setup in °F Default: 90 °F
69	Unoccupied Heating Setpoint	unocc_htg_stpt_1	AV:1	float value	40137	data float	69	17	nviUnoccHtgStpt	SNVT_temp_p (105)		Unoccupied Heating Setpoint Setup in °F Default: 55 °F
70	Zone CO ₂ High Trip	zn_co2_hi_trip_1	AV:27	float value	40139	data float	70	-	-	-		Level of CO ₂ reported as a High Level Alarm Default: 1200 PPM
71	Zone Humidity Setpoint Differential	zhumid_stpt_diff_1	AV:22	float value	40141	data float	71	-	-	-		Zone Humidity Setpoint Differential Setup in RH % Default: 2% , Minimum: 1%, Maximum: 5%
72	Alarm Status	alm_status_1	BV:24	discrete in	10001	binary in	1	18	nvoAlmStatus	SNVT_count_inc (9)	✓	Network Status indicating alarm condition in unit (see "Current Alarm" for more information)
73	Aux Heat Output Command Status	aux_htg_cmd_1	BV:20	discrete in	10002	binary in	2	19	nvoAuxHtgCmd	SNVT_count_inc (9)	✓	Auxiliary Heat Output Status 0 = Aux Heat Off 1 = Aux Heat On
74	Brown Out Alarm	brn_2st_1	BV:10	discrete in	10018	binary in	18	20	nvoBrnAlm	SNVT_count_inc (9)	✓	Brown Out Alarm Status 0 = Normal 1 = BRN Alarm Enabled
75	Occupancy Command Enable (BAS)	occupancy_cmd_1	BV:1	discrete out	1	binary out	1	21	nviBASOccCmd	SNVT_count_inc (9)		BAS Occupancy Command 0 = Unoccupied 1 = Occupied (Enables Unit Operation)
76	Compressor 1 Runtime	comp1_rntm_1	BV:35	discrete in	10019	binary in	19	-	-	-	✓	Compressor 1 Runtime Alarm 0 = Normal 1 = Timer Has Expired (Default: >8760 Hours)

#	Point Description Name	BACnet		MODBUS		N2		LON			Read Only	Description
		Name	Type ID	Object Type	Register	Type	ID	SNVT #	Name	SNVT		
77	Compressor 2 Runtime	comp2_rntm_1	BV:36	discrete in	10020	binary in	20	-	-	-	✓	Compressor 2 Runtime Alarm Status 0 = Normal 1 = Timer Has Expired (Default: >8760 Hours)
78	Compressor 1 Runtime Reset	cmp1_rntm_rst_1	BV:13	discrete out	2	binary out	2	24	nviCmp1RntmRst	SNVT_count_inc (9)		Compressor 1 Runtime Reset. Momentary On/Off required.
79	Compressor 2 Runtime Reset	cmp2_rntm_rst_1	BV:14	discrete out	3	binary out	3	25	nviCmp2RntmRst	SNVT_count_inc (9)		Compressor 2 Runtime Reset. Momentary On/Off required.
80	Compressor 1 Output Command Status	cmp_stg1_cmd_1	BV:11	discrete in	10003	binary in	3	22	nvoCmpStg1Cmd	SNVT_count_inc (9)	✓	Compressor Stage 1 Output Status 0 = Compressor 1 Off 1 = Compressor 1 On
81	Compressor 2 Output Command Status	cmp_stg2_cmd_1	BV:12	discrete in	10004	binary in	4	23	nvoCmpStg2Cmd	SNVT_count_inc (9)	✓	Compressor Stage 2 Output Status 0 = Compressor 2 Off 1 = Compressor 2 On
82	Condensate Alarm	con_2st_1	BV:9	discrete in	10021	binary in	21	26	nvoCondAlarm	SNVT_count_inc (9)	✓	Condensate Drain Alarm 0 = Normal 1 = Alarm Active
83	Condenser Water Valve Delay	cwv_delay_1	BV:78	discrete out	4	binary out	4	-	-	-		Condenser Water Valve Delay Setup 0 = Valve Delay Off (Default) 1 = Valve Delay Enabled
84	Secondary Condensate Pump Alarm	conpump_1	BV:50	discrete in	10022	binary in	22	-	-	-	✓	Secondary Condensate Pump Alarm 0 = Normal 1 = Alarm Active
85	Continuous Fan	cont_fan_1	BV:18	discrete out	5	binary out	5	27	nviFanCont	SNVT_count_inc (9)		Run Fan continuously During Occupancy Mode Setup 0 = Cycle Fan with Compressor Operation 1 = Continuous Fan Operation when Occupied (Default)
86	Economizer Cooling	clg_econ_1	BV:92	discrete in	10005	binary in	5	62	nvoEcoVlvCmd	SNVT_count_inc (9)	✓	Cooling Economizer Status 0 = On 1 = Off
87	Low Heating Supply Air Temperature	csat_low_1	BV:86	discrete in	10023	binary in	23	-	-	-	✓	Low Heating Supply Air Temperature Alarm 0 = Normal 1 = Alarm Active
88	Condenser Water Valve Output	cwv_cmd_1	BV:79	discrete in	10006	binary in	6	-	-	-	✓	Condenser Water Valve Control Status 0 = Closed 1 = Open
89	Discharge Air Temperature Sensor	da_sen_1	BV:31	discrete in	10024	binary in	24	-	-	-	✓	Discharge Air Temperature Sensor Alarm 0 = Sensor Normal 1 = Sensor Failure Alarm
90	Damper End Switch	des_status_1	BV:93	discrete in	10007	binary in	7	-	-	-	✓	Damper End Switch Status 0 = Damper Closed 1 = Damper Open
91	Damper Position	damper_cmd_1	BV:49	discrete in	10008	binary in	8	47	nvoDmprCmd	SNVT_count_inc (9)	✓	Damper Position Output Status 0 = Closed 1 = Open
92	High Discharge Air Temperature	dat_hi_1	BV:29	discrete in	10025	binary in	25	-	-	-	✓	Discharge Air Temperature Sensor Alarm (High Threshold - Cooling) 0 = Normal 1 = Alarm (Default: >70 °F)
93	Discharge Air Temperature Alarm	dat_lo_1	BV:30	discrete in	10026	binary in	26	-	-	-	✓	Discharge Air Temperature Sensor Alarm (Low Threshold - Heating) 0 = Normal 1 = Low DAT Alarm (Default: <75 °F)
94	Digital Override Lock Alarm	do_lock_1	BV:37	discrete in	10027	binary in	27	-	-	-	✓	Digital Override Lock Alarm 0 = Normal 1 = Digital Override Enabled Alarm
95	Differential Pressure Switch Alarm	dps_alarm_1	BV:77	discrete in	10028	binary in	28	-	-	-	✓	Differential Pressure Switch Alarm 0 = Normal 1 = Alarm
96	Hot Gas ReHeat Valve Status	eff_hgrv_cmd_1	BV:44	discrete in	10009	binary in	9	43	nvoEffRhVlvCmd	SNVT_count_inc (9)	✓	Hot Gas ReHeat Valve Status (Start/Stop) 0 = Valve Off 1 = Valve On
97	Entering Water Temperature Sensor Alarm	ewt_sen_1	BV:80	discrete in	10029	binary in	29	-	-	-	✓	Entering Water Temperature Sensor Alarm 0 = Normal 1 = Sensor Failure Alarm (Check Hardware)
98	Fan Running Status	fan_status_1	BV:66	discrete in	10010	binary in	10	60	nvoFanStatus	SNVT_count_inc (9)	✓	Fan Running Status 0 = Off 1 = On - Fan Running
99	Fan Hand Mode Alarm	saf_hand_1	BV:83	discrete in	10030	binary in	30	-	-	-	✓	Fan Hand Mode Alarm Fan is running but not being commanded by controller.
100	Fan Output Cmd	fan_cmd_1	BV:17	discrete in	10011	binary in	11	28	nvoFanCmd	SNVT_count_inc (9)	✓	Fan Output Status (O) 0 = Fan Output Off 1 = Fan Output On
101	Filter Service Alarm	filter_1	BV:40	discrete in	10031	binary in	31	-	-	-	✓	Filter Alarm 0 = Off 1 = Service Filter Alarm

#	Point Description Name	BACnet		MODBUS		N2		LON			Read Only	Description
		Name	Type ID	Object Type	Register	Type	ID	SNVT #	Name	SNVT		
102	Condenser Coil Freeze Sensor	frz_2st_1	BV:8	discrete in	10032	binary in	32	29	nvoFrzAlarm	SNVT_count_inc (9)	✓	UPM Freeze Sensor Alarm (Condenser Coil) 0 = Off 1 = Freeze Condition Detected
103	Evaporator Coil Freeze Sensor	frz_evap_2st_1	BV:90	discrete in	10033	binary in	33	38	nvoFrzEvAlm	SNVT_count_inc (9)	✓	UPM Freeze Sensor Alarm (Evaporator Coil) 0 = Off 1 = Freeze Condition Detected
104	Boilerless Status	htg_econ_1	BV:91	discrete in	10012	binary in	12	-	-	-	✓	Boilerless Control Status 0 = Off 1 = On (Electric Heating)
105	High Pressure Fault Compressor 1	hp1_2st_1	BV:5	discrete in	10034	binary in	34	30	nvoHp1Alarm	SNVT_count_inc (9)	✓	UPM High Pressure Alarm Status for Compressor 1 0 = HP1 normal 1 = High Pressure 1 Alarm
106	High Pressure Fault Compressor 2	hp2_2st_1	BV:7	discrete in	10035	binary in	35	31	nvoHp2Alarm	SNVT_count_inc (9)	✓	UPM High Pressure Alarm Status for Compressor 2 0 = HP2 normal 1 = High Pressure 2 Alarm
107	Low Supply Air Temperature (Heating Discharge Air Control)	hsat_lo_1	BV:149	discrete in	10036	binary in	36	-	-	-	✓	Heating Supply Air Temp Alarm (Low) 0 = Normal 1 = Active (Default: <80 °F)
108	Inputs Override Status	input_lock_1	BV:38	discrete in	10037	binary in	37	-	-	-	✓	Software Input Lock 0 = Normal 1 = Software Lock Enabled
109	Loop Enabled	loop_enabled_1	BV:23	discrete out	6	binary out	6	32	nviLoopEna	SNVT_count_inc (9)		Loop Status 0 = Disable Heat/Cool 1 = Allow Heat/Cool Operation
110	Low Pressure Fault - Compressor 1	lp1_2st_1	BV:4	discrete in	10038	binary in	38	33	nvoLp1Alarm	SNVT_count_inc (9)	✓	UPM Low Pressure Alarm Status for Compressor 1 0 = Normal 1 = LP1 Alarm
111	Low Pressure Fault - Compressor 2	lp2_2st_1	BV:6	discrete in	10039	binary in	39	34	nvoLp2Alarm	SNVT_count_inc (9)	✓	UPM Low Pressure Alarm Status for Compressor 2 0 = Normal 1 = LP2 Alarm
112	High Leaving Water Temperature	lvg_hi_1	BV:32	discrete in	10040	binary in	40	-	-	-	✓	High Leaving Water Temperature Alarm (LWT) 0 = Normal 1 = Alarm (Default: >135 °F)
113	Low Leaving Water Temperature	lvg_lo_1	BV:33	discrete in	10041	binary in	41	-	-	-	✓	Low Leaving Water Temperature (LWT) 0 = Normal 1 = Alarm (Default: <21 °F)
114	Leaving Water Temperature Sensor Failure	lvg_sen_1	BV:34	discrete in	10042	binary in	42	-	-	-	✓	Leaving Water Temperature Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check Sensor Hardware Configuration)
115	Low Mixed Air Temperature	mat_low_1	BV:89	discrete in	10043	binary in	43	-	-	-	✓	Mixed Air Low Temperature Alarm (Low) 0 = Normal 1 = Alarm (Default: <38 °F)
116	Mix Air Temperature Sensor Failure	mat_sen_1	BV:88	discrete in	10044	binary in	44	-	-	-	✓	Mixed Air Low Temperature Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check Sensor Hardware Configuration)
117	Night Setback Status	nsb_status_1	BV:22	discrete in	10013	binary in	13	35	nvoNSBStatus	SNVT_count_inc (9)	✓	Night Setback Status 0 = Night Setback disabled 1 = Night Setback enabled
118	Outside Air Temperature Sensor Failure	oat_sen_1	BV:87	discrete in	10045	binary in	45	-	-	-	✓	Outside Air Temperature Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check Sensor Hardware Configuration)
119	Occupancy Status	occ_status_1	BV:21	discrete in	10014	binary in	14	36	nvoOccStatus	SNVT_count_inc (9)	✓	Occupancy Status 0 = Unoccupied 1 = Occupied
120	Reset Fan Runtime	fan_rntm_rst_1	BV:19	discrete out	7	binary out	7	37	nviRstFanRnTm	SNVT_count_inc (9)		Reset Fan Runtime. Momentary On/Off required for reset.
121	Reversing Valve Action	rev_vlv_act_1	BV:16	discrete out	8	binary out	8	-	-	-		Reversing Valve Action Parameter Setup. Setting this option will reverse the operation of the unit. Please use caution when modifying this setting. 0 = Heating is enabled 1 = Cooling is enabled (Default)
122	Reversing Valve Output Status	rev_vlv_cmd_1	BV:15	discrete in	10015	binary in	15	39	nvoRevVlvCmd	SNVT_count_inc (9)	✓	Reversing Valve Output Status 0 = Reversing Valve De-energized 1 = Reversing Valve Energized
123	Static Air Pressure Sensor Hardware Alarm	sas_sen_1	BV:65	discrete in	10046	binary in	46	-	-	-	✓	Static Air Pressure Sensor Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check Static Pressure Hardware Configuration)
124	Supply Air Fan Switch Failure	saf_switch_fail_1	BV:82	discrete in	10047	binary in	47	-	-	-	✓	Supply Air Fan Status Alarm 0 = Normal 1 = Alarm (Check Fan Hardware)

#	Point Description Name	BACnet		MODBUS		N2		LON			Read Only	Description
		Name	Type ID	Object Type	Register	Type	ID	SNVT #	Name	SNVT		
125	High Static Pressure Alarm	sas_hi_1	BV:64	discrete in	10048	binary in	48	-	-	-	✓	Static Air Pressure Alarm (High) 0 = Normal 1 = High Static Pressure (Default: 2.74" H₂O)
126	Smoke Event Alarm Notification	smoke_1	BV:81	discrete in	10049	binary in	49	61	nvoSmokeAlarm	SNVT_count_inc (9)	✓	Smoke Detector Alarm 0 = Normal 1 = Alarm
127	Smoke Event Status	smoke_status_1	BV:70	discrete in	10016	binary in	16	-	-	-	✓	Smoke Alarm Status 0 = Normal 1 = Smoke Detector Active
128	UPM Input Alarm	upm_input_1	BV:39	discrete in	10050	binary in	50	-	-	-	✓	UPM Input Failure Alarm 0 = UPM Connected 1 = UPM Connection Failure
129	UPM Reset	upm_rst_1	BV:25	discrete out	9	binary out	9	40	nviUPMReset	SNVT_count_inc (9)		UPM Reset. Momentary On/Off required.
130	Valve End Switch Status	ves_status_1	BV:68	discrete in	10017	binary in	17	-	-	-	✓	Valve End Switch Status 0 = Off 1 = Valve End Switch Detected
131	Valve Switch Hand	ves_hand_1	BV:150	discrete in	10051	binary in	51	-	-	-	✓	Valve End Switch Hand Mode Valve End Detected not being sensed by controller.
132	Valve End Switch Alarm	ves_fail_1	BV:151	discrete in	10052	binary in	52	-	-	-	✓	Valve End Switch Fail Alarm 0 = Normal 1 = Active
133	High Humidity Alarm	zhumid_hi_1	BV:45	discrete in	10053	binary in	53	-	-	-	✓	Zone Humidity Alarm (High) 0 = Normal 1 = High Humidity (Default: 10% above Setpoint)
134	Low Humidity Alarm	zhumid_lo_1	BV:46	discrete in	10054	binary in	54	-	-	-	✓	Zone Humidity Alarm (Low) 0 = Normal 1 = Low Humidity (Default: 30% below Setpoint)
135	Humidity Sensor Hardware Failure Alarm	zhumid_sen_1	BV:47	discrete in	10055	binary in	55	-	-	-	✓	Zone Humidity Sensor Alarm 0 = Normal 1 = Sensor Failure (Check Humidifier Hardware Configuration)
136	CO ₂ Hardware Failure Alarm	zn_co2_fail_1	BV:51	discrete in	10056	binary in	56	-	-	-	✓	CO ₂ Zone Sensor Alarm (Sensor) 0 = Normal 1 = Sensor Failure (Check CO₂ Hardware Configuration)
137	High CO ₂ Alarm	zn_co2_hi_1	BV:48	discrete in	10057	binary in	57	-	-	-	✓	CO ₂ Zone Sensor Alarm (High) 0 = Normal 1 = High CO ₂ Level (Default: >1200 PPM)
138	RS Zone Sensor Hardware Alarm	zone_sen_1	BV:28	discrete in	10058	binary in	58	-	-	-	✓	Zone Sensor Failure Alarm 0 = Normal 1 = Sensor Failure (Check: RS Sensor Hardware)
139	Remote Temperature Sensor Failure	zrem_sen_1	BV:43	discrete in	10059	binary in	59	-	-	-	✓	Remote Temperature Zone Sensor Failure Alarm 0 = Normal 1 = Sensor Failure (Check Remote Sensor Hardware)
140	High Remote Temperature Alarm	zrem_hi_1	BV:41	discrete in	10060	binary in	60	-	-	-	✓	Remote Sensor Zone Temperature Alarm (High) 0 = Normal 1 = High Zone Temperature (Default: 10 °F Above Setpoint)
141	Low Remote Temperature Alarm	zrem_lo_1	BV:42	discrete in	10061	binary in	61	-	-	-	✓	Remote Sensor Zone Temperature Alarm (Low) 0 = Normal 1 = Low Zone Temperature (Default: 10 °F Below Setpoint)
142	High RS Zone Sensor Temperature Alarm	ztmp_hi_1	BV:26	discrete in	10062	binary in	62	-	-	-	✓	Zone Temperature Alarm (High) 0 = Normal 1 = High Zone Temperature (Default: 10 °F Above Setpoint)
143	Low RS Zone Sensor Temperature Alarm	ztmp_lo_1	BV:27	discrete in	10063	binary in	63	-	-	-	✓	Zone Temperature Alarm (Low) 0 = Normal 1 = Low Zone Temperature (Default: 10 °F Below Setpoint)