

AboveAir Technologies BMS Points List						
Bacnet	LonWorks	Modbus	Carel		Read/Write	Description
			Type	Value		
AV1	nvoInletTemp	40002	Analog	1	R	Measured temperature at inlet sensor
AV2	nvoInletHum	40003	Analog	2	R	Measured humidity at inlet sensor
AV3	novInletDewPt	40004	Analog	3	R	Calculated dew point at inlet sensor
AV4		40005	Analog	4	R	Calculated enthalpy at inlet sensor
AV5	nvoInsideTemp	40006	Analog	5	R	Measured temperature at discharge or room sensor
AV6	nvoInsideHum	40007	Analog	6	R	Measured humidity at discharge or room sensor
AV7		40008	Analog	7	R	Calculated dew point at discharge or room sensor
AV8		40009	Analog	8	R	Calculated enthalpy at discharge or room sensor
AV9	nvoCO2ppm	40010	Analog	9	R	Measured CO2 value
AV10		40011	Analog	10	R	Measured water temperature for freecool
AV11		40012	Analog	11	R	Measured static pressure
AV12	nvo/nviTempSetPt	40013	Analog	12	R/W	Temperature (Dry Bulb) Set Point
AV13	nvo/nviHumSetPt	40014	Analog	13	R/W	Humidification Set Point
AV14	nvo/nviDewPtSetPt	40015	Analog	14	R/W	Dew Point Temperature (Dehumidification) Set Point
AV15	nvo/nviCO2SetPt	40016	Analog	15	R/W	CO2 Set Point
AV16	nvo/nviPreheatSetPt	40017	Analog	16	R/W	Preheat Temperature Set Point
AV17		40018	Analog	17	R/W	Static Pressure Set Point
AV18		40019	Analog	18	R/W	Freecool Set Point
AV19		40020	Analog	19	R/W	Unoccupied Heating Set Point (Schedule Operation)
AV20		40021	Analog	20	R/W	Unoccupied Cooling Set Point (Schedule Operation)
AV21		40022	Analog	21	R	Analog Out to cooling valve
AV22		40023	Analog	22	R	Analog out to economizer damper
AV23		40024	Analog	23	R	Analog out to fan
AV24		40025	Analog	24	R	Analog out to freecool valve
AV25		40026	Analog	25	R	Analog out to heater 1
AV26		40027	Analog	26	R	Analog out to heater 2
AV27		40028	Analog	27	R	Analog out to humidifier
AV28		40029	Analog	28	R	Analog out to preheat device
AV29		40030	Analog	29	R	Analog out to hot gas reheat valve
AV30		40031	Analog	30	R	Analog out to hot gas bypass valve (Circuit 1)
AV31		40032	Analog	31	R	Analog out to hot gas bypass valve (Circuit 2)
AV32	nvoDehumidDemand	40033	Analog	32	R	Calculated dehumidification demand (PID, Inside sensor)
AV33	nvoCoolDemand	40034	Analog	33	R	Calculated cooling demand (PID, Inside Sensor)
AV34	nvoHeatDemand	40035	Analog	34	R	Calculated heating demand (PID, Inside Sensor)
AV35	nvoPreheatDemand	40036	Analog	35	R	Calculated preheat demand (PID, inlet sensor)
AV36		40037	Analog	36	R	Calculated static pressure demand (PID, static pressure sensor)
AV37		40038	Analog	37	R/W	
AV38		40039	Analog	38	R/W	
AV39		40040	Analog	39	R/W	
AV40		40041	Analog	40	R/W	
AV41		40042	Analog	41	R/W	
AV42		40043	Analog	42	R/W	
AV43		40044	Analog	43	R/W	
AV44		40045	Analog	44	R/W	
AV45		40046	Analog	45	R/W	
AV46		40047	Analog	46	R/W	
BV1	nvoSystemOn	2	Digital	1	R	System is currently on
BV2	nvo/nviOffByBMS	3	Digital	2	R/W	1 = Off by Supervisor, use for BMS Start/Stop Control
BV3		4	Digital	3	R	Off by Schedule
BV4		5	Digital	4	R	Off by Remote Start/Stop, digital input to processor
BV5		6	Digital	5	R	Off by interlocked device

AboveAir Technologies BMS Points List						
Bacnet	LonWorks	Modbus	Carel		Read/Write	Description
			Type	Value		
BV6		7	Digital	6	R	Off by system network
BV7	nvoAirflowAlarm	8	Digital	7	R	Airflow alarm
BV8	nvoComp1HPAlarm	9	Digital	8	R	Compressor 1 High Pressure Alarm
BV9	nvoComp1LPAlarm	10	Digital	9	R	Compressor 1 Low Pressure Alarm
BV10	nvoComp2HPAlarm	11	Digital	10	R	Compressor 2 High Pressure Alarm
BV11	nvoComp2LPAlarm	12	Digital	11	R	Compressor 2 Low Pressure Alarm
BV12		13	Digital	12	R	
BV13		14	Digital	13	R	
BV14		15	Digital	14	R	
BV15		16	Digital	15	R	
BV16		17	Digital	16	R	CO2 Sensor failure
BV17		18	Digital	17	R	Condensate Pump alarm
BV18	nvoDrainPanAlarm	19	Digital	18	R	Condensate pan switch alarm OR Water Detector Relay Alarm
BV19	nvoFilterAlarm	20	Digital	19	R	Dirty filter alarm
BV20		21	Digital	20	R	Firestat alarm
BV21	nvoFireSMokeAlrm	22	Digital	21	R	Fire/Smoke Alarm
BV22		23	Digital	22	R	Freecool sensor failure
BV23	nvoFreezeAlarm	24	Digital	23	R	Freezestat alarm
BV24		25	Digital	24	R	CO2 above high alarm set point
BV25	nvoHiHumidAlarm	26	Digital	25	R	Relative Humidity above high alarm set point
BV26	nvoHiTempAlarm	27	Digital	26	R	Temperature above high alarm set point
BV27		28	Digital	27	R	Inlet humidity sensor failure
BV28		29	Digital	28	R	Inlet Temperature sensor failure
BV29		30	Digital	29	R	Inside (discharge or room) humidity sensor failure
BV30		31	Digital	30	R	Inside (discharge or room) temperature sensor failure
BV31		32	Digital	31	R	Water leak detector alarm
BV32	nvoLowHumidAlarm	33	Digital	32	R	Relative humidity below low alarm set point
BV33	nvoLowTempAlarm	34	Digital	33	R	Temperature below low alarm set point
BV34	nvoPumpAlarm	35	Digital	34	R	Pump alarm (interlocked glycol/water pump)
BV35		36	Digital	35	R	Smoke alarm
BV36		37	Digital	36	R	Static pressure sensor failure
BV37	nvoAlarmRelayOn	38	Digital	37	R	Alarm Relay 1 active - refer to set up for alarms that trigger relay 1
BV38		39	Digital	38	R	Alarm Relay 2 active - refer to set up for alarms that trigger relay 2
BV39		40	Digital	39	R	Alarm Relay 3 active - refer to set up for alarms that trigger relay 3
BV40	nvoComp1On	41	Digital	40	R	Compressor 1 is operating
BV41	nvoComp2On	42	Digital	41	R	Compressor 2 is operating
BV42		43	Digital	42	R	
BV43		44	Digital	43	R	
BV44		45	Digital	44	R	Compressors locked out via digital input
BV45	nvoCondOn	46	Digital	45	R	Condenser is operating
BV46		47	Digital	46	R	Cool Valve is operating
BV47		48	Digital	47	R	Economizer is operating
BV48	nvoFanOn	49	Digital	48	R	Fan is operating (fan-low speed is operating, 2 speed system)
BV49		50	Digital	49	R	Fan-high speed is operating, 2 speed system
BV50		51	Digital	50	R	Auxiliary fan is operating
BV51		52	Digital	51	R	Freecool is operating
BV52	nvoHeater1On	53	Digital	52	R	Heater 1 is operating
BV53	nvoHeater2On	54	Digital	53	R	Heater 2 is operating
BV54		55	Digital	54	R	Heater 3 is operating
BV55		56	Digital	55	R	Heater 4 is operating
BV56		57	Digital	56	R	Hot gas bypass is operating

AboveAir Technologies BMS Points List						
Bacnet	LonWorks	Modbus	Carel		Read/Write	Description
			Type	Value		
BV57	nvoHgRhtOn	58	Digital	57	R	Hot gas reheat is operating
BV58	nvoHPRevValveOn	59	Digital	58	R	Heat pump reversing valve is in heat mode
BV59	nvoHumidifierOn	60	Digital	59	R	Humidifier is operating
BV60	nvoOADamperOn	61	Digital	60	R	OA damper is operating
BV61	nvoPreheatOn	62	Digital	61	R	Preheat is operating
BV62	nvoPumpOn	63	Digital	62	R	Pump is operating (interlocked water/glycol pump)
BV63		64	Digital	63	R	Return damper is operating
BV64	nvoCoolMode	65	Digital	64	R	System is operating in Cool Mode
BV65	nvoDehumidMode	66	Digital	65	R	System is operating in Dehumidify Mode
BV66	nvoHeatMode	67	Digital	66	R	System is operating in Heat Mode
BV67	nvoHumidMode	68	Digital	67	R	System is operating in Humidify Mode
BV68	nvoPreheatMode	69	Digital	68	R	System is operating in Preheat Mode
BV69	nvoReheatMode	70	Digital	69	R	System is operating in Reheat mode
BV70		71	Digital	70	R	Modulating heat is available for heat/reheat based on demand
BV71		72	Digital	71	R	Modulating cooling is available for cooling based on demand
BV72		73	Digital	72	R	Modulating humidifier is available for humidification based on demand
BV73		74	Digital	73	R	Modulating preheater is available for preheat based on demand
BV74		75	Digital	74	R	Modulating cooling is available for cooling/reheat (dehumidification) based on demand
BV75		76	Digital	75	R/W	pLAN unit networking (2+ units interlocked) is enabled
BV76		77	Digital	76	R/W	Onboard schedule is enabled
BV77		78	Digital	77	R/W	Heater 1 is available for reheat
BV78		79	Digital	78	R/W	Compressor 1: 0=Off, 1=Auto
BV79		80	Digital	79	R/W	Compressor 2: 0=Off, 1=Auto
BV80		81	Digital	80	R/W	
BV81		82	Digital	81	R/W	
BV82		83	Digital	82	R/W	Condenser: 0=Off, 1=Auto
BV83		84	Digital	83	R/W	Cool Valve: 0=Off, 1=Auto
BV84		85	Digital	84	R/W	CO2 Damper Control: 0=Off, 1=Auto
BV85		86	Digital	85	R/W	Economizer Control: 0=Off, 1=Auto
BV86		87	Digital	86	R/W	Auxiliar Fan: 0=Off, 1=Auto
BV87		88	Digital	87	R/W	Freecool Valve: 0=Off, 1=Auto
BV88		89	Digital	88	R/W	Heater 1: 0=Off, 1=Auto
BV89		90	Digital	89	R/W	Heater 2: 0=Off, 1=Auto
BV90		91	Digital	90	R/W	Heater 3: 0=Off, 1=Auto
BV91		92	Digital	91	R/W	Heater 4: 0=Off, 1=Auto
BV92		93	Digital	92	R/W	Hot Gas Bypass: 0=Off, 1=Auto
BV93		94	Digital	93	R/W	Hot Gas Reheat: 0=Off, 1=Auto
BV94		95	Digital	94	R/W	Heat Pump Reversing Valve: 0=Off, 1=Auto
BV95		96	Digital	95	R/W	Humidifier: 0=Off, 1=Auto
BV96		97	Digital	96	R/W	OA Damper: 0=Off, 1=Auto
BV97		98	Digital	97	R/W	Pump (interlocked glycol/water): 0=Off, 1=Auto
BV98		99	Digital	98	R/W	Preheat: 0=Off, 1=Auto
BV99		100	Digital	99	R/W	Return air damper: 0=Off, 1=Auto
BV100		101	Digital	100	R/W	System: 0=Off, 1=On
BV102		103	Digital	102	R/W	Select Heat Mode - VAV Logic Only