

TECHINCAL SUPPLIMENT

Simplicity SE Point Mapping (Firmware v1072)

NOTE: Depending on your specific unit, number of circuits, and accessories, not all points on this list may be applicable. This list is a comprehensive list of all available points.

Table 1: Final Mappings 3.0

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACObjd	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Unit Status	Unit-S	29803	280	#N/A	0	#N/A	0	0
Name	Name	29804	0	0	0	0	0	0
Model No.	Model#	29805	0	0	0	0	0	0
Serial No.	Serial#	29806	0	0	0	0	0	0
Firmware Version	FirmVer	29807	0	0	0	0	0	0
Exhaust Fan Type	ExFType	29503	0	0	0	0	0	0
Reset Lockouts	ResetLO	29826	80	#N/A	0	#N/A	0	1
Single Zone VAV Enable	SZVAVEn	29908	0	0	0	0	0	0
Hardware Reset	HdwrReset	29909	126	#N/A	0	#N/A	0	1
Y1 - Thermostat	Y1-Tstat	29504	281	#N/A	0	#N/A	0	0
Y2 - Thermostat	Y2-Tstat	29505	282	#N/A	0	#N/A	0	0
Y3 - Thermostat	Y3-Tstat	29506	283	#N/A	0	#N/A	0	0
Y4 - Thermostat	Y4-Tstat	29507	284	#N/A	0	#N/A	0	0
W1 - Thermostat	W1-Tstat	29508	285	#N/A	0	#N/A	0	0
W2 - Thermostat	W2-Tstat	29509	286	#N/A	0	#N/A	0	0
W3 - Thermostat	W3-Tstat	29510	287	#N/A	0	#N/A	0	0
G - Thermostat	G-Tstat	29511	288	#N/A	0	#N/A	0	0
X-OUT	X-Out	29513	289	#N/A	0	#N/A	0	0
Thermostat Only Control	Tstat-Only	29514	0	0	0	0	0	0
Fan Status	Fan-S	29550	302	#N/A	0	#N/A	0	0
Supply Fan Pct Output	FanVFD	29551	157	X10	0	Signed	0	0
Fan VFD Fault	FanVFDFlt	29552	303	#N/A	0	#N/A	0	0
Supply Fan Overload	FanOvrload	29553	304	#N/A	0	#N/A	0	0
Fan Accumulated Runtime	Fan-RT	29554	9	X10	0	UnSigned	0	1
Fan Control Type	FanCtl-Type	29555	0	0	0	0	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Air Proving Switch Setup	APSSetup	29556	0	0	0	0	0	0
Air Proving Switch	APS	29557	305	#N/A	0	#N/A	0	0
Fan On Delay for Cool	FanOnDly-Cool	29558	90	#N/A	0	#N/A	0	1
Fan Off Delay for Cool	FanOffDly-Cool	29559	0	0	0	0	0	0
Fan On Delay for Heat	FanOnDly-Heat	29560	0	0	0	0	0	0
Fan Off Delay for Heat	FanOffDly-Heat	29561	0	0	0	0	0	0
Dirty Filter Switch	DFS	29562	306	#N/A	0	#N/A	0	0
Fan Command	Fan	29563	307	#N/A	0	#N/A	0	0
Supply Air Temperature	SAT	29564	158	X10	0	Signed	0	0
Duct Static Pressure	DctPrs	29565	159	X100	0	Signed	0	0
Duct Pressure Setpoint	DctPrs-Sp	29566	10	X100	0	Signed	0	1
Duct Pressure Shutdwn Sp	DctShut-downSp	29567	11	X100	0	Signed	0	1
Cont SF Oper in Occ Mode	FanOnOcc	29568	91	#N/A	0	#N/A	0	1
Trn Off Cnt Fn Opr St Ht	FanOff-StartHeat	29569	92	#N/A	0	#N/A	0	1
Occ No Heat or CI Pct Sp	FanOnly-%Cmd	29570	12	X10	0	Signed	0	1
Occ 1 Stage of CI Pct Sp	1ClgStg-%Cmd	29571	13	X10	0	Signed	0	1
Occ 2 Stges of CI Pct Sp	2ClgStg-%Cmd	29572	14	X10	0	Signed	0	1
Occ 1 Stage of Ht Pct Sp	1HtgStg-%Cmd	29573	17	X10	0	Signed	0	1
Occ 2 Stges of Ht Pct Sp	2HtgStg-%Cmd	29574	18	X10	0	Signed	0	1
Occ 3 Stges of CI Pct Sp	3ClgStg-%Cmd	29819	15	X10	0	Signed	0	1
Occ 4 Stges of CI Pct Sp	4ClgStg-%Cmd	29820	16	X10	0	Signed	0	1
Occ 3 Stges of Ht Pct Sp	3HtgStg-%Cmd	29821	19	X10	0	Signed	0	1

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
SZ VAV Minimum Fan Speed	SZVAVMin-FanSpd	29913	73	X10	0	Signed	0	1
Clg Mode Ena For Oper	Clg-En	29575	93	#N/A	0	#N/A	0	1
Number of Cooling Stages	#ClgStgs	29576	0	0	0	0	0	0
Cooling Status	Clg-S	29577	308	#N/A	0	#N/A	0	0
Min Runtime Clg Stage	MinRtCool-Stg	29578	20	X10	0	UnSigned	0	1
Compressor Lead-Lag Enable	LeadLag-En	29579	0	0	0	0	0	0
Low Ambient Fan Pre-run Time For Cooling	LowAmbFan-PrerunCool	29580	0	0	0	0	0	0
OAT Cooling Cutout Ena	ClgOATCut-out-En	29581	94	#N/A	0	#N/A	0	1
OAT Cooling Cutout	ClgOATCut-out	29582	21	X10	0	Signed	0	1
Economizer Loading Ena	EconLoad-En	29583	95	#N/A	0	#N/A	0	1
All Stgs Clg Off in Econ	AllCompOff-Econ	29584	96	#N/A	0	#N/A	0	1
Low Ambient Cooling Stages 10 on 5 off Setpoint	LowAmb10On5OffSp	29585	0	0	0	0	0	0
Temp/Hum (Ret) Cntrl Ena	TempHumCntrl-En	29586	97	#N/A	0	#N/A	0	1
Temp/Humidity Sp	TempHum-Sp	29587	22	X10	0	Signed	0	1
Max Temp / Hum Sp Offset	MaxTempHumSpOff	29588	23	X10	0	Signed	0	1
Temp-Hum Value-Deg Offst	TempHum-ValPerDegOff	29589	24	X10	0	Signed	0	1
SAT Limit for Clg Ena	SATCool-Limit-En	29590	98	#N/A	0	#N/A	0	1
SAT Limit for Cooling Sp	SATCool-Limit-Sp	29591	25	X10	0	Signed	0	1
Freeze Condition Setpoint	Freeze-Sp	29592	0	0	0	0	0	0
Condenser Fan 1	CN-Fan	29593	309	#N/A	0	#N/A	0	0
Condenser Fan 2	CF2	29594	310	#N/A	0	#N/A	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Unit Type	UnitType	29595	0	0	0	0	0	0
EER	EER	29596	0	0	0	0	0	0
Subcooling Goal	SubcoolGoal	29597	0	0	0	0	0	0
Refrigerant Type	RefrigType	29598	0	0	0	0	0	0
High Side Port Location	HiSidePort- Loc	29599	0	0	0	0	0	0
Evaporator Coil Type	EvapCoil- Type	29600	0	0	0	0	0	0
Condenser Coil Type	CondCoil- Type	29601	0	0	0	0	0	0
Indoor Metering Device Type	InMeterDev- Type	29602	0	0	0	0	0	0
Outdoor Metering Device Type	OutMeter- Dev-Type	29603	0	0	0	0	0	0
VAV Clg SA Temp Upper Sp	SATUp-Sp	29604	26	X10	0	Signed	0	1
VAV Clg SA Temp Lower Sp	SATLo-Sp	29605	27	X10	0	Signed	0	1
VAV SA Temp Reset Sp	SATRst-Sp	29606	28	X10	0	Signed	0	1
VAV Oper Clg SA Temp Sp	OprVAVClg- Sp	29607	160	X10	0	Signed	0	0
CV Occupied Cooling Sp	ClgOcc-Sp	29608	29	X10	0	Signed	0	1
CV Unoccupied Cooling Sp	ClgUnocc-Sp	29609	30	X10	0	Signed	0	1
CV Operating Cooling Sp	OprCVClg- Sp	29610	161	X10	0	Signed	0	0
Unit Capacity	UnitCap	29886	0	0	0	0	0	0
Fan Power	FanPower	29887	0	0	0	0	0	0
Super Heat Goal	SuperHeat- Goal	29888	0	0	0	0	0	0
Altitude	Altitude	29889	31	X10	0	Signed	0	1
Cooling Adaptive Tuning Enable	ClgAdap- TunEn	29882	100	0	0	0	0	1
Refrig Systems Installed	#RefrigSys	29890	32	X10	0	UnSigned	0	1
DAT Cooling Min SP	DATClg- MinSP	29907	74	X10	0	Signed	0	1
Pump Out Enable	PmpOut-En	29921	0	0	0	0	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACOID	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Staged Cooling Command	StgClgCmd	29922	263	X10	0	Signed	0	0
Low Ambient Enable	LowAmb-En	29928	0	0	0	0	0	0
C1 Stage Command	C1	29611	311	#N/A	0	#N/A	0	0
C1 Stage Status	C1-S	29615	312	#N/A	0	#N/A	0	0
C1 Stage Enabled	C1-En	29619	101	#N/A	0	#N/A	0	1
Hot Gas Bypass Present	HGP-Inst	29623	0	0	0	0	0	0
C1 Stage Acc Runtime	C1RunTim	29627	33	X10	0	UnSigned	0	1
C1 Min On Time Remaining	C1OnTmr	29631	162	X1	0	UnSigned	0	0
C1 ASCD Time Remaining	C1ASCDTmr	29635	163	X1	0	UnSigned	0	0
C1 High Pressure Limit	HPS1	29639	313	#N/A	0	#N/A	0	0
C1 High Pressure Lockout	HPS1-LO	29643	314	#N/A	0	#N/A	0	0
C1 Low Pressure Limit	LPS1	29647	315	#N/A	0	#N/A	0	0
C1 Low Pressure Lockout	LPS1-LO	29651	316	#N/A	0	#N/A	0	0
C1 Freeze Condition	FS1	29655	317	#N/A	0	#N/A	0	0
C1 Freeze Cond Lckout	FS1-LO	29659	318	#N/A	0	#N/A	0	0
C1 Evaporator Coil Temp	EC1	29663	164	X10	0	Signed	0	0
C1 Condenser Coil Temp	CC1	29667	165	X10	0	Signed	0	0
C1 Clg Circ Test Status	ClgCktTestS-1	29829	343	#N/A	0	#N/A	0	0
C1 Suction Line Pressure	SLP-1	29671	178	X10	0	Signed	0	0
C1 Liquid Line Pressure	LLP-1	29675	179	X10	0	Signed	0	0
C1 Suction Line Temp	SLT-1	29679	180	X10	0	Signed	0	0
C1 Liquid Line Temp	LLT-1	29683	181	X10	0	Signed	0	0
C1 Superheat	C1-Super-Heat	29687	182	X10	0	Signed	0	0
C1 Subcooling	C1-SubCool	29691	183	X10	0	Signed	0	0
C1 Cond Temp over Amb	C1-Cond-TempOv-rAmb	29695	184	X10	0	Signed	0	0
C1 Efficiency Index	C1-EI	29699	185	X10	0	Signed	0	0
C1 Capacity Index	C1-CI	29703	186	X10	0	Signed	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACOID	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
C1 Evap Temp Val Circuit	C1-Evap-TempValue	29833	187	X10	0	Signed	0	0
C1 Cnd Temp Ovr Amb High	C1-Cond-TempOAHigh	29849	188	X10	0	Signed	0	0
C1 Cond Temp ovr Amb Low	C1-Cond-TempOALow	29853	189	X10	0	Signed	0	0
C1 Superheat High	C1-Super-heatHigh	29857	190	X10	0	Signed	0	0
C1 Superheat Low	C1-Super-heatLow	29861	191	X10	0	Signed	0	0
C1 Subcool High	C1-Subcool-High	29865	192	X10	0	Signed	0	0
C1 Subcool Low	C1-Subcool-Low	29869	193	X10	0	Signed	0	0
C1 Evaporating Temp High	C1-Evap-TempHigh	29873	194	X10	0	Signed	0	0
C1 Evaporating Temp Low	C1-Evap-TempLow	29877	195	X10	0	Signed	0	0
C2 Stage Command	C2	29612	319	#N/A	0	#N/A	0	0
C2 Stage Status	C2-S	29616	320	#N/A	0	#N/A	0	0
C2 Stage Enabled	C2-En	29620	102	#N/A	0	#N/A	0	1
C2 Stage Acc Runtime	C2RunTim	29628	34	X10	0	UnSigned	0	1
C2 Min On Time Remaining	C2OnTmr	29632	166	X1	0	UnSigned	0	0
C2 ASCD Time Remaining	C2ASCDTmr	29636	167	X1	0	UnSigned	0	0
C2 High Pressure Limit	HPS2	29640	321	#N/A	0	#N/A	0	0
C2 High Pressure Lockout	HPS2-LO	29644	322	#N/A	0	#N/A	0	0
C2 Low Pressure Limit	LPS2	29648	323	#N/A	0	#N/A	0	0
C2 Low Pressure Lockout	LPS2-LO	29652	324	#N/A	0	#N/A	0	0
C2 Freeze Condition	FS2	29656	325	#N/A	0	#N/A	0	0
C2 Freeze Cond Lckout	FS2-LO	29660	326	#N/A	0	#N/A	0	0
C2 Evaporator Coil Temp	EC2	29664	168	X10	0	Signed	0	0
C2 Condenser Coil Temp	CC2	29668	169	X10	0	Signed	0	0
C2 Clg Circ Test Status	ClgCktTestS-2	29830	344	#N/A	0	#N/A	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
C2 Suction Line Pressure	SLP-2	29672	196	X10	0	Signed	0	0
C2 Liquid Line Pressure	LLP-2	29676	197	X10	0	Signed	0	0
C2 Suction Line Temp	SLT-2	29680	198	X10	0	Signed	0	0
C2 Liquid Line Temp	LLT-2	29684	199	X10	0	Signed	0	0
C2 Superheat	C2-Super-Heat	29688	200	X10	0	Signed	0	0
C2 Subcooling	C2-SubCool	29692	201	X10	0	Signed	0	0
C2 Cond Temp over Amb	C2-Cond-TempOvrAmb	29696	202	X10	0	Signed	0	0
C2 Efficiency Index	C2-EI	29700	203	X10	0	Signed	0	0
C2 Capacity Index	C2-CI	29704	204	X10	0	Signed	0	0
C2 Evap Temp Val Circuit	C2-Evap-TempValue	29834	205	X10	0	Signed	0	0
C2 Cnd Temp Ovr Amb High	C2-Cond-TempOAHigh	29850	206	X10	0	Signed	0	0
C2 Cond Temp ovr Amb Low	C2-Cond-TempOALow	29854	207	X10	0	Signed	0	0
C2 Superheat High	C2-Super-heatHigh	29858	208	X10	0	Signed	0	0
C2 Superheat Low	C2-Super-heatLow	29862	209	X10	0	Signed	0	0
C2 Subcool High	C2-Subcool-High	29866	210	X10	0	Signed	0	0
C2 Subcool Low	C2-Subcool-Low	29870	211	X10	0	Signed	0	0
C2 Evaporating Temp High	C2-Evap-TempHigh	29874	212	X10	0	Signed	0	0
C2 Evaporating Temp Low	C2-Evap-TempLow	29878	213	X10	0	Signed	0	0
C3 Stage Command	C3	29613	327	#N/A	0	#N/A	0	0
C3 Stage Status	C3-S	29617	328	#N/A	0	#N/A	0	0
C3 Stage Enabled	C3-En	29621	103	#N/A	0	#N/A	0	1
C3 Stage Acc Runtime	C3RunTim	29629	35	X10	0	UnSigned	0	1
C3 Min On Time Remaining	C3OnTmr	29633	170	X1	0	UnSigned	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACOID	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
C3 ASCD Time Remaining	C3ASCDTmr	29637	171	X1	0	Unsigned	0	0
C3 High Pressure Limit	HPS3	29641	329	#N/A	0	#N/A	0	0
C3 High Pressure Lockout	HPS3-LO	29645	330	#N/A	0	#N/A	0	0
C3 Low Pressure Limit	LPS3	29649	331	#N/A	0	#N/A	0	0
C3 Low Pressure Lockout	LPS3-LO	29653	332	#N/A	0	#N/A	0	0
C3 Freeze Condition	FS3	29657	333	#N/A	0	#N/A	0	0
C3 Freeze Cond Lckout	FS3-LO	29661	334	#N/A	0	#N/A	0	0
C3 Evaporator Coil Temp	EC3	29665	172	X10	0	Signed	0	0
C3 Condenser Coil Temp	CC3	29669	173	X10	0	Signed	0	0
C3 Clg Circ Test Status	ClgCktTestS-3	29831	345	#N/A	0	#N/A	0	0
C3 Suction Line Pressure	SLP-3	29673	214	X10	0	Signed	0	0
C3 Liquid Line Pressure	LLP-3	29677	215	X10	0	Signed	0	0
C3 Suction Line Temp	SLT-3	29681	216	X10	0	Signed	0	0
C3 Liquid Line Temp	LLT-3	29685	217	X10	0	Signed	0	0
C3 Superheat	C3-Super-Heat	29689	218	X10	0	Signed	0	0
C3 Subcooling	C3-SubCool	29693	219	X10	0	Signed	0	0
C3 Cond Temp over Amb	C3-Cond-TempOvr-Amb	29697	220	X10	0	Signed	0	0
C3 Efficiency Index	C3-EI	29701	221	X10	0	Signed	0	0
C3 Capacity Index	C3-CI	29705	222	X10	0	Signed	0	0
C3 Evap Temp Val Circuit	C3-Evap-TempValue	29835	223	X10	0	Signed	0	0
C3 Cnd Temp Ovr Amb High	C3-Cond-TempOAHigh	29851	224	X10	0	Signed	0	0
C3 Cond Temp ovr Amb Low	C3-Cond-TempOALow	29855	225	X10	0	Signed	0	0
C3 Superheat High	C3-Super-heatHigh	29859	226	X10	0	Signed	0	0
C3 Superheat Low	C3-Super-heatLow	29863	227	X10	0	Signed	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
C3 Subcool High	C3-Subcool-High	29867	228	X10	0	Signed	0	0
C3 Subcool Low	C3-Subcool-Low	29871	229	X10	0	Signed	0	0
C3 Evaporating Temp High	C3-Evap-TempHigh	29875	230	X10	0	Signed	0	0
C3 Evaporating Temp Low	C3-Evap-TempLow	29879	231	X10	0	Signed	0	0
C4 Stage Command	C4	29614	335	#N/A	0	#N/A	0	0
C4 Stage Status	C4-S	29618	336	#N/A	0	#N/A	0	0
C4 Stage Enabled	C4-En	29622	104	#N/A	0	#N/A	0	1
C4 Stage Acc Runtime	C4RunTim	29630	36	X10	0	UnSigned	0	1
C4 Min On Time Remaining	C4OnTmr	29634	174	X1	0	UnSigned	0	0
C4 ASCD Time Remaining	C4ASCDTmr	29638	175	X1	0	UnSigned	0	0
C4 High Pressure Limit	HPS4	29642	337	#N/A	0	#N/A	0	0
C4 High Pressure Lockout	HPS4-LO	29646	338	#N/A	0	#N/A	0	0
C4 Low Pressure Limit	LPS4	29650	339	#N/A	0	#N/A	0	0
C4 Low Pressure Lockout	LPS4-LO	29654	340	#N/A	0	#N/A	0	0
C4 Freeze Condition	FS4	29658	341	#N/A	0	#N/A	0	0
C4 Freeze Cond Lckout	FS4-LO	29662	342	#N/A	0	#N/A	0	0
C4 Evaporator Coil Temp	EC4	29666	176	X10	0	Signed	0	0
C4 Condenser Coil Temp	CC4	29670	177	X10	0	Signed	0	0
C4 Clg Circ Test Status	ClgCktTestS-4	29832	346	#N/A	0	#N/A	0	0
C4 Suction Line Pressure	SLP-4	29674	232	X10	0	Signed	0	0
C4 Liquid Line Pressure	LLP-4	29678	233	X10	0	Signed	0	0
C4 Suction Line Temp	SLT-4	29682	234	X10	0	Signed	0	0
C4 Liquid Line Temp	LLT-4	29686	235	X10	0	Signed	0	0
C4 Superheat	C4-Super-Heat	29690	236	X10	0	Signed	0	0
C4 Subcooling	C4-SubCool	29694	237	X10	0	Signed	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
C4 Cond Temp over Amb	C4-Cond-TempOvr-Amb	29698	238	X10	0	Signed	0	0
C4 Efficiency Index	C4-EI	29702	239	X10	0	Signed	0	0
C4 Capacity Index	C4-CI	29706	240	X10	0	Signed	0	0
C4 Evap Temp Val Circuit	C4-Evap-TempValue	29836	241	X10	0	Signed	0	0
C4 Cnd Temp Ovr Amb High	C4-Cond-TempOAHigh	29852	242	X10	0	Signed	0	0
C4 Cond Temp ovr Amb Low	C4-Cond-TempOALow	29856	243	X10	0	Signed	0	0
C4 Superheat High	C4-Super-heatHigh	29860	244	X10	0	Signed	0	0
C4 Superheat Low	C4-Super-heatLow	29864	245	X10	0	Signed	0	0
C4 Subcool High	C4-Subcool-High	29868	246	X10	0	Signed	0	0
C4 Subcool Low	C4-Subcool-Low	29872	247	X10	0	Signed	0	0
C4 Evaporating Temp High	C4-Evap-TempHigh	29876	248	X10	0	Signed	0	0
C4 Evaporating Temp Low	C4-Evap-TempLow	29880	249	X10	0	Signed	0	0
Htg Mode Enabled For Opr	Htg-En	29707	105	#N/A	0	#N/A	0	1
Heating Status	Htg-S	29708	347	#N/A	0	#N/A	0	0
SAT Limit for Htg Enable	SATHtgLimit-En	29709	106	#N/A	0	#N/A	0	1
SAT Limit for Htg Sp	SATHtgLimit-Sp	29710	37	X10	0	Signed	0	1
OA Temp Htg Cutout Sp	HtgOATCut-out-Sp	29711	38	X10	0	Signed	0	1
Hot Water Freeze Stat	FSHW	29712	348	#N/A	0	#N/A	0	0
Gas Valve 1 Input	MV	29713	349	#N/A	0	#N/A	0	0
Gas Valve 2 Input	GV2	29714	350	#N/A	0	#N/A	0	0
Gas Valve 3 Input	GV3	29715	351	#N/A	0	#N/A	0	0
Heat Limit 1 Switch	Limit	29716	352	#N/A	0	#N/A	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Heat Limit 1 Sw Lockout	LimitLO	29717	353	#N/A	0	#N/A	0	0
Heat Limit 2 Switch	Lim2	29718	354	#N/A	0	#N/A	0	0
Heat Limit 2 Sw Lockout	Lim2LO	29719	355	#N/A	0	#N/A	0	0
Heat Limit 3 Switch	Lim3	29720	356	#N/A	0	#N/A	0	0
Heat Limit 3 Sw Lockout	Lim3LO	29721	357	#N/A	0	#N/A	0	0
VAV Occupied Htg Enabled	HtgOcc-En	29722	107	#N/A	0	#N/A	0	1
VAV Occupied Htg Sp	VAVHtgOcc-SP	29723	39	X10	0	Signed	0	1
VAV UnOccupied Htg Ena	HtgUnocc-En	29724	108	#N/A	0	#N/A	0	1
VAV Unoccupied Htg Sp	VAVHtgUn-occ-Sp	29725	40	X10	0	Signed	0	1
VAV Operating Heating Sp	VAVOprHtg-Sp	29726	250	X10	0	Signed	0	0
Morning Warmup Enabled	MornW-En	29822	109	#N/A	0	#N/A	0	1
Wrmup-Return Air Temp Sp	MornWRAT-Sp	29823	41	X10	0	Signed	0	1
VAV Box Heat Command	VAV	29727	358	#N/A	0	#N/A	0	0
CV Occupied Heating Sp	CVHtgOcc-SP	29728	42	X10	0	Signed	0	1
CV Unoccupied Heating Sp	CVHtgUn-occ-Sp	29729	43	X10	0	Signed	0	1
CV Operating Heating Sp	CVOprHtg-Sp	29730	251	X10	0	Signed	0	0
Morning Cooldown Enabled	MornC-En	29891	110	#N/A	0	#N/A	0	1
Cldwn-Return Air Temp Sp	MornCRAT-Sp	29892	44	X10	0	Signed	0	1
Optimal Start Enabled	OptStrt-En	29893	111	#N/A	0	#N/A	0	1
Occupancy BI Enabled	OccBI-En	29894	112	#N/A	0	#N/A	0	1
Early Start Period	EarlyStrtPe-riod	29895	45	X10	0	UnSigned	0	1
Heating Adaptive Tuning Enable	HtgAdap-TunEn	29881	114	0	0	0	0	1
DAT Max Heating SP	DATMax-HtgSP	29905	75	X10	0	Signed	0	0
DAT Satisfied SP	DATSatSP	29906	76	X10	0	Signed	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACObjd	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Staged Heating Command	StgHtgCmd	29923	264	X10	0	Signed	0	0
Number of Heating Stages Installed	#HtgStgs	29731	0	0	0	0	0	0
Heating Stage 1 Command	H1	29732	359	#N/A	0	#N/A	0	0
Heating Stage 1 Status	H1-S	29735	360	#N/A	0	#N/A	0	0
Heating Stage 1 Runtime	H1RunTim	29738	48	X10	0	UnSigned	0	1
Heating Stage 2 Command	H2	29733	361	#N/A	0	#N/A	0	0
Heating Stage 2 Status	H2-S	29736	362	#N/A	0	#N/A	0	0
Heating Stage 2 Runtime	H2RunTim	29739	49	X10	0	UnSigned	0	1
Heating Stage 3 Command	H3	29734	363	#N/A	0	#N/A	0	0
Heating Stage 3 Status	H3-S	29737	364	#N/A	0	#N/A	0	0
Heating Stage 3 Runtime	H3RunTim	29740	50	X10	0	UnSigned	0	1
HW Heat Valve Pct Output	HWV	29741	252	X10	0	Signed	0	0
HW Heat Valve Rev Acting	HydReverse	29742	115	#N/A	0	#N/A	0	1
HW Htg Stage 1 SAT Sp	HydH1SA-Sp	29743	51	X10	0	Signed	0	1
HW Htg Stage 2 SAT Sp	HydH2SA-Sp	29744	52	X10	0	Signed	0	1
HW Heat SAT Tempring Ena	SATTempHy- dHt-En	29745	116	#N/A	0	#N/A	0	1
HW Heat SAT Tempering Sp	SATTempHy- dHt-Sp	29746	53	X10	0	Signed	0	1
Econ Enabled For Oper	Econ-En	29747	118	#N/A	0	#N/A	0	1
Econ Damper Pct Output	Econ	29748	253	X10	0	Signed	0	0
Econ Free Cooling Avail	Econ-Free	29749	369	#N/A	0	#N/A	0	0
Economizer Status	Econ-S	29750	370	#N/A	0	#N/A	0	0
Free Clg Current Mode	FreeClg- Mode	29751	371	#N/A	0	#N/A	0	0
Free Cooling Selection	FreeClg-Sel	29752	119	#N/A	0	#N/A	0	1
Econ OA Temp Enable Sp	EconOAT- SpEn	29753	55	X10	0	Signed	0	1
Econ OA Enthalpy Sp	EconOAEth- -Sp	29754	56	X10	0	Signed	0	1
Low Ambient Econ Sp	LowAmb-Sp	29755	57	X10	0	Signed	0	1

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Low Ambient Econ Min Pos	LowAmb-MinPos	29756	58	X10	0	Signed	0	1
Econ Damper Position	EconDamp-Pos	29824	254	X10	0	Signed	0	0
Mixed Air Temperature	MAT	29760	255	X10	0	Signed	0	0
Return Air Humidity	RAH	29761	138	X10	0	UnSigned	0	0
Supply Air Humidity	SAH	29762	256	X10	0	Signed	0	0
Return Air Enthalpy	RA-Enth	29763	257	X10	0	Signed	0	0
Econ Min OAD Pos	Econ-MinPos	29759	77	X10	0	Signed	0	1
Excess Outdoor Air	ExcessOutAirFlt	29809	372	#N/A	0	#N/A	0	0
Not Econ When Should	NotEconFlt	29810	373	#N/A	0	#N/A	0	0
Damper Not Modulating	EconDamp-Flt	29811	374	#N/A	0	#N/A	0	0
Econ When Should Not	EconWhen-ShouldNotFlt	29812	375	#N/A	0	#N/A	0	0
Econ Dmp Min Pos LS Fan	LowSpeed-Fan-MinPos	29808	54	X10	0	Signed	0	1
EconMech Setup	EconMech-Stp	29912	0	0	0	0	0	0
Econ Fault Detection Ena	EconFltDetectEn	29915	132	#N/A	0	#N/A	0	1
FDD Economizer Alarm Delay	EconAlrmDly	29916	0	0	0	0	0	0
FDD Economizer Damper Allowed Error	EconPosErr	29917	0	0	0	0	0	0
FDD Damper Min Position Tolerance	EconMinErr	29918	0	0	0	0	0	0
HGR Enabled For Oper	HGR-En	29789	123	#N/A	0	#N/A	0	1
HGR Command	HGR	29790	379	#N/A	0	#N/A	0	0
HGR Status	HGR-S	29791	380	#N/A	0	#N/A	0	0
HGR Humidity Setpoint	HGRHum-Sp	29792	68	X10	0	Signed	0	1
HGR Alternate Oper Ena	HGRAlt-En	29793	124	#N/A	0	#N/A	0	1
Hot Gas Reheat Alternate Operation Writeable	HGRAltWrite	29794	0	0	0	0	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
HGR Unocc Humidity Sp	HGRUnoc- cHum-SP	29903	78	X10	0	Signed	0	1
HGR Enabled For Unocc Mode	HGRUnocc- En	29904	133	#N/A	0	#N/A	0	1
Exhaust Fan Enable	ExFan-En	29774	0	0	0	0	0	0
Exhaust Fan Command	ExFan	29775	376	#N/A	0	#N/A	0	0
Exhaust Fan VFD Output	ExFanVFD	29776	258	X10	0	Signed	0	0
Exhaust Fan Status	ExF-S	29777	377	#N/A	0	#N/A	0	0
Exhaust Fan VFD Fault	ExFanVFD- Flt	29778	378	#N/A	0	#N/A	0	0
Exhaust Fan Acc Runtime	ExF-RunTim	29779	259	X10	0	UnSigned	0	0
Building Pressure Sp	Bldg-Sp	29780	63	X1000	0	Signed	0	1
Building Static Pressure	BldgPres	29781	260	X1000	0	Signed	0	0
Exhaust Damper Output	EAD-O	29782	261	X10	0	Signed	0	0
Exh Dmp Pos Exh Fan-On	ExDmpPos- FanOn	29783	64	X10	0	Signed	0	1
Exh Dmp Pos Exh Fan-Off	ExDmpPos- FanOff	29784	65	X10	0	Signed	0	1
Econ Dmp Pos-Exh Fan On	EconDmp- PosFanOn	29785	66	X10	0	Signed	0	1
Econ Dmp Pos-Exh Fan Off	EconDmp- PosFanOff	29786	67	X10	0	Signed	0	1
ERV Enabled	ERV-En	29787	121	#N/A	0	#N/A	0	1
ERV Unoccupied Fan Ena	ERVUnoc- cFan-En	29788	122	#N/A	0	#N/A	0	1
Dmd Vent Mode of Oper	DVent-Mode	29765	120	#N/A	0	#N/A	0	1
Dmd Vent Max Econ Pos	DVentMax- EconPos	29766	60	X10	0	Signed	0	1
Dmd Vent IAQ Sp	DVentIAQ- Sp	29767	61	X10	0	Signed	0	1
Dmd Vent Differential Sp	DVentDiff-Sp	29768	62	X10	0	Signed	0	1
Outdoor Air Flow Sp	MOAFlow-Sp	29795	69	X10	0	Signed	0	1
Outdoor Air Flow	Fr	29796	262	X10	0	Signed	0	0
OA Intake Max Sensor Rng	MOA-Range	29797	70	X10	0	Signed	0	1

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACObjd	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Occupancy Input Source	OccSrc	29515	290	#N/A	0	#N/A	0	0
Operational Occupancy	OprOcc	29517	292	#N/A	0	#N/A	0	0
Occupancy Enable Mode	OccMode	29518	82	#N/A	0	#N/A	0	1
Net Temp Occ Request	NetTempOcc	29519	83	#N/A	0	#N/A	0	1
Net Occupancy Request	NetOcc	29520	84	#N/A	0	#N/A	0	1
Temp Occupancy Timeout	TempOcc- Timeout	29521	85	#N/A	0	#N/A	0	1
Operational Space Temp	OprST	29522	135	X10	0	Signed	0	0
Space Temperature Source	STSrc	29523	293	#N/A	0	#N/A	0	0
Space Temp Alm Sp Offset	STAlarmOff- set	29524	0	X10	0	Signed	0	1
Space Temp Alarm Time Dly	STAlarmDe- lay	29525	86	#N/A	0	#N/A	0	1
Net Override Space Temp	NetST	29526	1	X10	0	Signed	0	1
Oper Indoor Air Quality	OprIAQ	29527	136	X10	0	Signed	0	0
Indoor Air Quality Src	IAQSrc	29528	294	#N/A	0	#N/A	0	0
Indoor Air Qual Snsr Rng	IAQRange	29529	2	X10	0	Signed	0	1
Net Ovr Indoor Air Qual	NetIAQ	29530	3	X10	0	Signed	0	1
Oper Space Humidity	OprSH	29531	137	X10	0	Signed	0	0
Space Humidity Source	SHSrc	29532	295	#N/A	0	#N/A	0	0
Space Humidity/RAH Input	RAH	29828	138	X10	0	Signed	0	0
Net Ovr Zone Humidity	NetSH	29533	4	X10	0	Signed	0	1
Operating Fan Request	OprFanReq	29534	296	#N/A	0	#N/A	0	0
Fan Request Source	FanReqSrc	29535	297	#N/A	0	#N/A	0	0
Net Ovr Fan Request	NetFanReq	29536	87	#N/A	0	#N/A	0	1
Oper Space Temp Sp Offst	OprSSO	29537	140	X10	0	Signed	0	0
Space Temp Sp Offset Src	SSOSrc	29538	298	#N/A	0	#N/A	0	0
Space Temp Sp Offset Inpt	SSO	29539	141	X10	0	Signed	0	0
Net Ovr Space Sp Offset	NetSSO	29540	5	X10	0	Signed	0	1
Occupancy BI Input	OCC	29516	291	#N/A	0	#N/A	0	0
Return Air Temperature	RAT	29764	139	X10	0	Signed	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Temporary Occupancy Enable	TempOCC	29825	81	0	0	0	0	1
SP LoadShed Enable	Load-ShedEnable	29883	127	#N/A	0	#N/A	0	1
SP LoadShed Rate Limit	LoadShedRateLim	29884	71	X1000	0	UnSigned	0	1
SP LoadShed Adjust	LoadShedAdjust	29885	72	X10	0	UnSigned	0	1
Time to Next Occ Period	TimeToNextOcc	29837	142	X10	0	UnSigned	0	0
Operating Mode	OprMode	29838	299	#N/A	0	#N/A	0	0
Clg Weighting Param 1	ClgWeight1	29839	143	X100	0	Signed	0	0
Clg Weighting Param 2	ClgWeight2	29840	144	X100	0	Signed	0	0
Htg Weighting Param 1	HtgWeight1	29841	145	X100	0	Signed	0	0
Htg Weighting Param 2	HtgWeight2	29842	146	X100	0	Signed	0	0
EWMA Cooling Demand	EWMAClgDmd	29843	147	X100	0	Signed	0	0
EWMA Heating Demand	EWMAHtgDmd	29844	148	X100	0	Signed	0	0
Corrected Return Time	CorrRetTime	29845	149	X10	0	UnSigned	0	0
Uncorrected Return Time	UncorrRetTime	29846	150	X10	0	UnSigned	0	0
Wrmup-Cldwn Start Time	WarmCoolStrtTime	29847	151	X10	0	UnSigned	0	0
Wrmup-Cldwn Start Temp	WarmCoolStrtTemp	29848	152	X10	0	Signed	0	0
Off During Unoccupied	OffDurUnocc	29914	88	#N/A	0	#N/A	0	1
Direct Loadshed	DirLoadshd	29910	128	#N/A	0	#N/A	0	1
Redline	Redline	29911	129	#N/A	0	#N/A	0	1
PID Tuning Reset	PIDTunRst	29919	130	#N/A	0	#N/A	0	1
Operational OA Temp	OprOAT	29541	153	X10	0	Signed	0	0
OA Temperature Source	OATSrc	29542	300	#N/A	0	#N/A	0	0
Net Ovrdr OA Temperature	NetOAT	29543	6	X10	0	Signed	0	1
Operational OA Humidity	OprOAH	29544	154	X10	0	Signed	0	0

Table 1: Final Mappings 3.0 (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACObjd	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writable Flag
Outdoor Air Enthalpy	OA-Enth	29545	155	X10	0	Signed	0	0
Net Override OA Humidity	NetOAH	29546	7	X10	0	Signed	0	1
Operational OA Quality	OprOAQ	29547	156	X10	0	Signed	0	0
OA Quality Source	OAQSrc	29548	301	#N/A	0	#N/A	0	0
Net Override OA Quality	NetOAQ	29549	8	X10	0	Signed	0	1
Operating Purge Command	Opr- PurgeCmd	29798	381	#N/A	0	#N/A	0	0
Purge Command Source	PurgeC- mdSrc	29799	382	#N/A	0	#N/A	0	0
Local Purge Cmd Input	Purge	29800	383	#N/A	0	#N/A	0	0
Net Ovrdr Purge Command	NetPurge	29801	125	#N/A	0	#N/A	0	1
Smoke Detector	SD	29802	384	#N/A	0	#N/A	0	0
Econ Controller	EconCntlr	29813	385	#N/A	0	#N/A	0	0
4 Stage Controller	4StgCntlr	29814	386	#N/A	0	#N/A	0	0
FDD Master Controller	FDDMCntlr	29815	387	#N/A	0	#N/A	0	0
FDD Slave Controller	FDDSCntlr	29816	388	#N/A	0	#N/A	0	0
Device Name	DevName	29818	0	0	0	0	0	0
End of Line Switch On	EOL-On	29827	390	#N/A	0	#N/A	0	0
Number of Heat Pump Stages	#HtPump- Stgs	29898	0	0	0	0	0	0
Defrost Curve Selection	DefrostCur- veSel	29899	117	#N/A	0	#N/A	0	1
Defrost State	DefrostState	29899	0	0	0	0	0	0
Reversing Valve	RevVlv	29900	366	#N/A	0	#N/A	0	0
Auxiliary Heat	AuxHtg	29901	367	#N/A	0	#N/A	0	0
Heat Pump Mode	Mode	29902	368	#N/A	0	#N/A	0	0

Table 2: Enables Summary

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writeable Flag
Single Zone VAV Enable	SZVAVEn	29908	0	0	0	0	0	0
Clg Mode Ena For Oper	Clg-En	29575	93	#N/A	0	#N/A	0	1
Compressor Lead-Lag Enable	LeadLag-En	29579	0	0	0	0	0	0
OAT Cooling Cutout Ena	ClgOATCutout- En	29581	94	#N/A	0	#N/A	0	1
Economizer Loading Ena	EconLoad-En	29583	95	#N/A	0	#N/A	0	1
Temp/Hum (Ret) Cntrl Ena	TempHumCtrl- En	29586	97	#N/A	0	#N/A	0	1
SAT Limit for Clg Ena	SATCoolLimit- En	29590	98	#N/A	0	#N/A	0	1
Cooling Adaptive Tuning Enable	ClgAdapTunEn	29882	100	0	0	0	0	1
Pump Out Enable	PmpOut-En	29921	0	0	0	0	0	0
Low Ambient Enable	LowAmb-En	29928	0	0	0	0	0	0
C1 Stage Enabled	C1-En	29619	101	#N/A	0	#N/A	0	1
C2 Stage Enabled	C2-En	29620	102	#N/A	0	#N/A	0	1
C3 Stage Enabled	C3-En	29621	103	#N/A	0	#N/A	0	1
C4 Stage Enabled	C4-En	29622	104	#N/A	0	#N/A	0	1
Htg Mode Enabled For Opr	Htg-En	29707	105	#N/A	0	#N/A	0	1
SAT Limit for Htg Enable	SATHtgLimit-En	29709	106	#N/A	0	#N/A	0	1
VAV Occupied Htg Enabled	HtgOcc-En	29722	107	#N/A	0	#N/A	0	1
VAV UnOccupied Htg Ena	HtgUnocc-En	29724	108	#N/A	0	#N/A	0	1
Morning Warmup Enabled	MornW-En	29822	109	#N/A	0	#N/A	0	1
Optimal Start Enabled	OptStrt-En	29893	111	#N/A	0	#N/A	0	1
Occupancy BI Enabled	OccBI-En	29894	112	#N/A	0	#N/A	0	1
Econ Enabled For Oper	Econ-En	29747	118	#N/A	0	#N/A	0	1
Econ Fault Detection Ena	EconFltDetectEn	29915	132	#N/A	0	#N/A	0	1
HGR Enabled For Oper	HGR-En	29789	123	#N/A	0	#N/A	0	1
HGR Alternate Oper Ena	HGRAlt-En	29793	124	#N/A	0	#N/A	0	1
HGR Enabled For Unocc Mode	HGRUnocc-En	29904	133	#N/A	0	#N/A	0	1

Table 2: Enables Summary (Continued)

Exhaust Fan Enable	ExFan-En	29774	0	0	0	0	0	0
ERV Unoccupied Fan Ena	ERVUnoccFan-En	29788	122	#N/A	0	#N/A	0	1

Table 3: Set points and Offsets Summary

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACOID	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writeable Flag
Duct Pressure Setpoint	DctPrs-Sp	29566	10	X100	0	Signed	0	1
Duct Pressure Shutdwn Sp	DctShutdownSp	29567	11	X100	0	Signed	0	1
Low Ambient Cooling Stages 10 on 5 off Setpoint	LowAmb10On5OffSp	29585	0	0	0	0	0	0
Temp/Humidity Sp	TempHum-Sp	29587	22	X10	0	Signed	0	1
Max Temp / Hum Sp Offset	MaxTempHumSpOff	29588	23	X10	0	Signed	0	1
Temp-Hum Value-Deg Offst	TempHumValPerDegOff	29589	24	X10	0	Signed	0	1
SAT Limit for Cooling Sp	SATCoolLimit-Sp	29591	25	X10	0	Signed	0	1
Freeze Condition Setpoint	Freeze-Sp	29592	0	0	0	0	0	0
VAV Clg SA Temp Upper Sp	SATUp-Sp	29604	26	X10	0	Signed	0	1
VAV Clg SA Temp Lower Sp	SATLo-Sp	29605	27	X10	0	Signed	0	1
VAV SA Temp Reset Sp	SATRst-Sp	29606	28	X10	0	Signed	0	1
VAV Oper Clg SA Temp Sp	OprVAVClg-Sp	29607	160	X10	0	Signed	0	0
CV Occupied Cooling Sp	ClgOcc-Sp	29608	29	X10	0	Signed	0	1
CV Unoccupied Cooling Sp	ClgUnocc-Sp	29609	30	X10	0	Signed	0	1
CV Operating Cooling Sp	OprCVClg-Sp	29610	161	X10	0	Signed	0	0
DAT Cooling Min SP	DATClgMinSP	29907	74	X10	0	Signed	0	1
SAT Limit for Htg Sp	SATHtgLimit-Sp	29710	37	X10	0	Signed	0	1
OA Temp Htg Cutout Sp	HtgOATCutout-Sp	29711	38	X10	0	Signed	0	1
VAV Occupied Htg Sp	VAVHtgOcc-SP	29723	39	X10	0	Signed	0	1
VAV Unoccupied Htg Sp	VAVHtgUnocc-Sp	29725	40	X10	0	Signed	0	1
VAV Operating Heating Sp	VAVOprHtg-Sp	29726	250	X10	0	Signed	0	0
Wrmup-Return Air Temp Sp	MornWRAT-Sp	29823	41	X10	0	Signed	0	1

Table 3: Set points and Offsets Summary (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writeable Flag
CV Occupied Heating Sp	CVHtgOcc-SP	29728	42	X10	0	Signed	0	1
CV Unoccupied Heating Sp	CVHtgUnocc-Sp	29729	43	X10	0	Signed	0	1
CV Operating Heating Sp	CVOprHtg-Sp	29730	251	X10	0	Signed	0	0
Cldwn-Return Air Temp Sp	MornCRAT-Sp	29892	44	X10	0	Signed	0	1
DAT Max Heating SP	DATMaxHtgSP	29905	75	X10	0	Signed	0	0
DAT Satisfied SP	DATSatSP	29906	76	X10	0	Signed	0	0
HW Htg Stage 1 SAT Sp	HydH1SA-Sp	29743	51	X10	0	Signed	0	1
HW Htg Stage 2 SAT Sp	HydH2SA-Sp	29744	52	X10	0	Signed	0	1
HW Heat SAT Tempering Sp	SATTempHydHt-Sp	29746	53	X10	0	Signed	0	1
Econ OA Temp Enable Sp	EconOAT-SpEn	29753	55	X10	0	Signed	0	1
Econ OA Enthalpy Sp	EconOAEnth-Sp	29754	56	X10	0	Signed	0	1
Low Ambient Econ Sp	LowAmb-Sp	29755	57	X10	0	Signed	0	1
HGR Humidity Setpoint	HGRHum-Sp	29792	68	X10	0	Signed	0	1
Building Pressure Sp	Bldg-Sp	29780	63	X1000	0	Signed	0	1
Dmd Vent IAQ Sp	DVentIAQ-Sp	29767	61	X10	0	Signed	0	1
Dmd Vent Differential Sp	DVentDiff-Sp	29768	62	X10	0	Signed	0	1
Outdoor Air Flow Sp	MOAFlow-Sp	29795	69	X10	0	Signed	0	1
Net Ovrd Space Sp Offset	NetSSO	29540	5	X10	0	Signed	0	1

Table 4: Hardware I/O Summary

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writeable Flag
Y1 - Thermostat	Y1-Tstat	29504	281	#N/A	0	#N/A	0	0
Y2 - Thermostat	Y2-Tstat	29505	282	#N/A	0	#N/A	0	0
Y3 - Thermostat	Y3-Tstat	29506	283	#N/A	0	#N/A	0	0

Table 4: Hardware I/O Summary (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACoid	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writeable Flag
Y4 - Thermostat	Y4-Tstat	29507	284	#N/A	0	#N/A	0	0
W1 - Thermostat	W1-Tstat	29508	285	#N/A	0	#N/A	0	0
W2 - Thermostat	W2-Tstat	29509	286	#N/A	0	#N/A	0	0
W3 - Thermostat	W3-Tstat	29510	287	#N/A	0	#N/A	0	0
G - Thermostat	G-Tstat	29511	288	#N/A	0	#N/A	0	0
X-OUT	X-Out	29513	289	#N/A	0	#N/A	0	0
Supply Fan Pct Output	FanVFD	29551	157	X10	0	Signed	0	0
Fan VFD Fault	FanVFDFlt	29552	303	#N/A	0	#N/A	0	0
Supply Fan Overload	FanOvload	29553	304	#N/A	0	#N/A	0	0
Dirty Filter Switch	DFS	29562	306	#N/A	0	#N/A	0	0
Fan Command	Fan	29563	307	#N/A	0	#N/A	0	0
Supply Air Temperature	SAT	29564	158	X10	0	Signed	0	0
Duct Static Pressure	DctPrs	29565	159	X100	0	Signed	0	0
Condenser Fan 1	CN-Fan	29593	309	#N/A	0	#N/A	0	0
Condenser Fan 2	CF2	29594	310	#N/A	0	#N/A	0	0
Gas Valve 1 Input	MV	29713	349	#N/A	0	#N/A	0	0
Gas Valve 2 Input	GV2	29714	350	#N/A	0	#N/A	0	0
Gas Valve 3 Input	GV3	29715	351	#N/A	0	#N/A	0	0
Heat Limit 1 Switch	Limit	29716	352	#N/A	0	#N/A	0	0
Heat Limit 2 Switch	Lim2	29718	354	#N/A	0	#N/A	0	0
Heat Limit 3 Switch	Lim3	29720	356	#N/A	0	#N/A	0	0
C1 Stage Command	C1	29611	311	#N/A	0	#N/A	0	0
C1 High Pressure Limit	HPS1	29639	313	#N/A	0	#N/A	0	0
C1 Low Pressure Limit	LPS1	29647	315	#N/A	0	#N/A	0	0
C1 Evaporator Coil Temp	EC1	29663	164	X10	0	Signed	0	0
C1 Condenser Coil Temp	CC1	29667	165	X10	0	Signed	0	0
C1 Suction Line Pressure	SLP-1	29671	178	X10	0	Signed	0	0
C1 Liquid Line Pressure	LLP-1	29675	179	X10	0	Signed	0	0
C1 Suction Line Temp	SLT-1	29679	180	X10	0	Signed	0	0
C1 Liquid Line Temp	LLT-1	29683	181	X10	0	Signed	0	0

Table 4: Hardware I/O Summary (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BACObjd	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writeable Flag
C2 Stage Command	C2	29612	319	#N/A	0	#N/A	0	0
C2 High Pressure Limit	HPS2	29640	321	#N/A	0	#N/A	0	0
C2 Low Pressure Limit	LPS2	29648	323	#N/A	0	#N/A	0	0
C2 Evaporator Coil Temp	EC2	29664	168	X10	0	Signed	0	0
C2 Condenser Coil Temp	CC2	29668	169	X10	0	Signed	0	0
C2 Suction Line Pressure	SLP-2	29672	196	X10	0	Signed	0	0
C2 Liquid Line Pressure	LLP-2	29676	197	X10	0	Signed	0	0
C2 Suction Line Temp	SLT-2	29680	198	X10	0	Signed	0	0
C2 Liquid Line Temp	LLT-2	29684	199	X10	0	Signed	0	0
C3 Stage Command	C3	29613	327	#N/A	0	#N/A	0	0
C3 High Pressure Limit	HPS3	29641	329	#N/A	0	#N/A	0	0
C3 Low Pressure Limit	LPS3	29649	331	#N/A	0	#N/A	0	0
C3 Evaporator Coil Temp	EC3	29665	172	X10	0	Signed	0	0
C3 Condenser Coil Temp	CC3	29669	173	X10	0	Signed	0	0
C3 Suction Line Pressure	SLP-3	29673	214	X10	0	Signed	0	0
C3 Liquid Line Pressure	LLP-3	29677	215	X10	0	Signed	0	0
C3 Suction Line Temp	SLT-3	29681	216	X10	0	Signed	0	0
C3 Liquid Line Temp	LLT-3	29685	217	X10	0	Signed	0	0
C4 Stage Command	C4	29614	335	#N/A	0	#N/A	0	0
C4 High Pressure Limit	HPS4	29642	337	#N/A	0	#N/A	0	0
C4 Low Pressure Limit	LPS4	29650	339	#N/A	0	#N/A	0	0
C4 Evaporator Coil Temp	EC4	29666	176	X10	0	Signed	0	0
C4 Condenser Coil Temp	CC4	29670	177	X10	0	Signed	0	0
C4 Suction Line Pressure	SLP-4	29674	232	X10	0	Signed	0	0
C4 Liquid Line Pressure	LLP-4	29678	233	X10	0	Signed	0	0
C4 Suction Line Temp	SLT-4	29682	234	X10	0	Signed	0	0
C4 Liquid Line Temp	LLT-4	29686	235	X10	0	Signed	0	0
Hot Water Freeze Stat	FSHW	29712	348	#N/A	0	#N/A	0	0
VAV Box Heat Command	VAV	29727	358	#N/A	0	#N/A	0	0
Heating Stage 1 Command	H1	29732	359	#N/A	0	#N/A	0	0
Heating Stage 2 Command	H2	29733	361	#N/A	0	#N/A	0	0
Heating Stage 3 Command	H3	29734	363	#N/A	0	#N/A	0	0
HW Heat Valve Pct Output	HWV	29741	252	X10	0	Signed	0	0

Table 4: Hardware I/O Summary (Continued)

		BACNET POINT INFO	MODBUS POINT INFO					
Property Description	Property	BAC0id	Modbus Register Address	Modbus Scale Factor	Modbus Boolean Flag	Modbus Signed Flag	Modbus Offset	Modbus Writeable Flag
Econ Damper Pct Output	Econ	29748	253	X10	0	Signed	0	0
Mixed Air Temperature	MAT	29760	255	X10	0	Signed	0	0
Return Air Humidity	RAH	29761	138	X10	0	UnSigned	0	0
Supply Air Humidity	SAH	29762	256	X10	0	Signed	0	0
Local Purge Cmd Input	Purge	29800	383	#N/A	0	#N/A	0	0
Smoke Detector	SD	29802	384	#N/A	0	#N/A	0	0
End of Line Switch On	EOL-On	29827	390	#N/A	0	#N/A	0	0
Reversing Valve	RevVlv	29900	366	#N/A	0	#N/A	0	0
Auxiliary Heat	AuxHtg	29901	367	#N/A	0	#N/A	0	0
Space Humidity/RAH Input	RAH	29828	138	X10	0	Signed	0	0
Space Temp Sp Offst Inpt	SSO	29539	141	X10	0	Signed	0	0
Occupancy BI Input	OCC	29516	291	#N/A	0	#N/A	0	0
Return Air Temperature	RAT	29764	139	X10	0	Signed	0	0