

System Setup

SSE Point	SSE & Map Gateway Path	BACNet Point	Setting Value
System Setup			
Address	Commission>Network>Address	Set at board	4 to 127
OccMode	Commission>HVACZone>OccMode	29518	External/ Schedule
NetOcc	Details>Service>Inputs>NetworkInputs>NetOcc	29520	OCC/UNOCC
TstatOnly	Details>Service>Inputs>Thermostat>Tstat-Only	29514	"Yes" or "No"
Wired Field Bus	Controller>Network>FCBusMode>Wired Field Bus	Set at board	Wired Field Bus=BACNet MSTP, N2 Slave Field Bus, Modbus Field Bus
SZVAVEn	Details>Service>Factory>Misc>SZVAVEn	29908	OFF
Alarms	Alarms		See 'Alarm' Page for Descriptions
Device ID	Controller>Network>DeviceID	Set at board	default 1
Baud Rate	Controller>Network>OprBaudRate	Set at board	Auto or 1200-76800
Unit Name	Details>Unit>Name	Set at board	Default is the Unit Serial Number
SSE Board Firmware Version	Update>ViewVersion	View at Board	Current Version 3.0.0.1072
Backup	Update>Backup	Set at Board	Saves setpoints to a Thumb Drive
Restore	Update>Restore	Set at Board	Restore, Full Clone, Partial Clone
Clone	Update>Clone or (Update> Partial Clone)	Set at Board	Copies setpoints from one unit to other units
Relearn	Controller>SysCntlrs>Misc>Relearn	Set at board	"TRUE" or "FALSE"
Operational Occupancy	Details>Zone>Indoor>OprOcc	29517	OCC/UNOCC
Reset Lockout	Details>Unit>ResetLO	29826	ON/OFF
Self Test	Self Test>Start	Set at board	Start, Pause, Cancel, Status, Reset
Cooling Adaptive Tuning Enabled	Details>Control>Clg>Setup>ClgAdapTunEn	29882	"Yes" or "No"
Heating Adaptive Tuning Enabled	Details>Control>Htg>Setup>HtgAdapTunEn	29881	"Yes" or "No"
Time	Update>Time	Set at Board	24 hours Military Format (Set Time & Date)
Unit Status	Status>Unit-S	29803	
Off During Unoccupied Mode	Commission>HVACZone>OffDurUnocc	29914	"Yes" or "No"
Equipment Type	Details>Service>Factory>Misc>RooftopEquipment>RTU	Set at board	Split, RTU, Heat Pump, Unknow
Bacnet Encoding Type	Controller>Network>EncodingType	32578	Available on version 3.0.0.1116 Rev or higher
Temporary Occupancy Timeout	Details>Zone>Indoor>TempOccTimeout	29521	30 to 120 min. time period
Use Occupancy Schedule	Details>Zone>Indoor>Use Occ Schedule	92687	"Yes" or "No"
PID Tuning Reset	PIDTunRst (Only Accessible thru BAS)	29919	"TRUE" or "FALSE"
Space Temp Alarm Setpoint Offset	Details>Zone>Indoor>STAlarmOffset	29524	0 to 25 Degrees F
Space Temp Alarm Time Delay	Details>Zone>Indoor>STAlarmDelay	29525	0 to 120 Minutes
VAV Setup / Status			
VAV Clg SA Upper Stpt	Details>Setpoints>SATUp-Sp	29604	60 degree
VAV Clg SA Lower Stpt	Details>Setpoints>SATLo-Sp	29605	55 degree
VAV SA Reset Stpt	Details>Setpoints>SATRst-Sp	29606	72 degree
Operating VAV Cooling Setpoint	Details>Setpoints>OprVAVClg-Sp	29607	

Supply Fan and Heating

SSE Point	SSE & Map Gateway Path	BACNet Point	Setting Value
Supply Fan Setup			
Fan Control	Summary>Fan>FanCtl-Type	29555	Single Speed; Variable; Fixed-Variable (Intelli-speed); Not Used
APS Setup	Details>Service>Factory>Standard>APS Setup	29556	None, Constant, Variable
Fan "OFF" Delay Cool	Details>Control>IndoorFan>Setup>FanOffDlyCool	29559	0 to 255 second timer
Fan "OFF" Delay Heat	Details>Control>IndoorFan>Setup>FanOffDlyHeat	29561	0 to 255 second timer
Fan "OFF" Start Heat	Details>Control>IndoorFan>Setup>FanOffStartHeat	29569	"YES" or "NO"
Fan "ON" Delay Cool	Details>Control>IndoorFan>Setup>FanOnDlyCool	29558	0 to 30 second timer
Fan "ON" Delay Heat	Details>Control>IndoorFan>Setup>FanOnDlyHeat	29560	0 to 30 second timer
Fan "ON" Occupied	Details>Control>IndoorFan>Setup>FanOnOcc	29568	"YES" or "NO"
Fan Only Command VFD speed %	Commission> IndoorFan>FanOnly-%Cmd	29570	Used with 'Fixed Variable' - Sets 'Fan Only' Fan Speed
1 Stage Clg Cmd VFD speed %	Details>Control>IndoorFan>Setup>1ClgStg-%Cmd	29571	Used with 'Fixed Variable' - Sets 1st Stage Cooling Fan Speed
1 Stage Htg Cmd VFD speed %	Details>Control>IndoorFan>Setup>1HtgStg-%Cmd	29573	Used with 'Fixed Variable' - Sets 1st Stage Heating Fan Speed
2 Stage Clg Cmd VFD speed %	Details>Control>IndoorFan>Setup>2ClgStg-%Cmd	29572	Used with 'Fixed Variable' - Sets 2nd Stage Cooling Fan Speed
2 Stage Htg Cmd VFD speed %	Details>Control>IndoorFan>Setup>2HtgStg-%Cmd	29574	Used with 'Fixed Variable' - Sets 2nd Stage Heating Fan Speed
3 Stage Clg Cmd VFD speed %	Details>Control>IndoorFan>Setup>3ClgStg-%Cmd	29819	Used with 'Fixed Variable' - Sets 3rd Stage Cooling Fan Speed
3 Stage Htg Cmd VFD speed %	Details>Control>IndoorFan>Setup>3HtgStg-%Cmd	29821	Used with 'Fixed Variable' - Sets 3rd Stage Heating Fan Speed
4 Stage Clg Cmd VFD speed %	Details>Control>IndoorFan>Setup>4ClgStg-%Cmd	29820	Used with 'Fixed Variable' - Sets 4th Stage Cooling Fan Speed
Duct pressure Set Point	Details>Setpoints>DctPrs-Sp	29566	0-5"wc
Duct pressure Shut-Down Setpoint	Details>Control>IndoorFan>Setup>DctShutDownSp	29568	0-5"wc
Supply Fan Status			
APS Status	Details>Control>IndoorFan>Status>APS	29557	ON = APS closed
Fan Overload	Details>Control>IndoorFan>Status>FanOvrload	29553	Normal or Fault
Fan Status	Status>Fan-S	29550	
Fan VFD Status	Summary> Fan> FanVFD	29551	
Fan VFD Fault	Details>Control>IndoorFan>Status>FanVFDFlt	29552	
Net Override Fan Request	Details>Service>Inputs>NetworkInputs>NetFanReq	29536	Writable Point to Force blower "ON"
Heating Setup			
Heating Enabled	Commission>Htg>HtgEn	29707	"YES" if heat is used
Heating Control Type	Details>Control>Htg>Status>Htg-Type	Set at Board	Staged or Porportional
Number of Heating Stages	Details>Service>Factory>Standard>#HtgStgs	29731	1 to 3
Number of Gas Valves	Details>Control>Htg>Status>#Gas Valves Installed		1 to 3 (Firmware 3.0.0.1124 and later)
CV Occupied Heating Setpoint	Details>Setpoints>CVHtgOcc-Sp	29728	Range 46 to 99 degrees
CV Unoccupied Heating Setpoint	Details>Setpoints>CVHtgUnocc-Sp	29729	Range 45 to 98 degrees
Heating OAT Cutout Setpoint	Details>Control>Htg>Setup>HtgOATCutout-Sp	29711	0 to 100 degrees
Supply Air Heating Limit Enable	Details>Control>Htg>Setup>SATHtgLimit-En	29709	Yes or No
Supply Air Heating Limit Setpoint	Details>Control>Htg>Setup>SATHtgLimit-Sp	29710	100 to 180 Degrees
Heating Status			
Heating Status	Status>Htg-S	29708	
Staged Heating Command	Details>Control>Htg>Status>StgHtgCmd	29923	0% to 100%

Heating Stage 1 Command	Details>Control>Htg>Stage1>H1	29732	
Heating Stage 2 Command	Details>Control>Htg>Stage2>H2	29733	
Heating Stage 3 Command	Details>Control>Htg>Stage3>H3	29734	
Heating Stage 1 Status	Details>Control>Htg>Stage1>H1-S	29735	
Heating Stage 2 Status	Details>Control>Htg>Stage2>H2-S	29736	
Heating Stage 3 Status	Details>Control>Htg>Stage3>H3-S	29737	
CV Operating Heating Setpoint	Details>Setpoints>CVOPrHtg>Sp	29739	

Mechanical Cooling - Heating

SSE Point	SSE & Map Gateway Path	BACNet Point	Setting Value
Cooling Setup			
Cooling Enabled	Commission>Clg>Clg-En	29575	Yes or No
Number of Cooling Stages	Details>Service>Factory>Standard>#ClgStgs	29576	1 to 4
Number of Refrigerant Systems	Details>Service>Factory>Standard>#RefrigsSys	29890	1 to 4
OAT Cooling Lockout Enable	Details>Control>Clg>Setup>ClgOATCutout-En	29581	Yes or No
OAT Cooling Lockout Setpoint	Details>Control>Clg>Setup>ClgOATCutout	29582	0 to 100 degrees
Low Ambient Enabled	Details>Control>Clg>Setup>LowAmb-En	29928	Yes or No
Low Ambient Operation Setpoint	Details>Control>Clg>Setup>LowAmb-On-Off-Sp	29585	0 to 60 degrees
Lead Lag Enabled	Details>Control>Clg>Setup>LeadLag-En	29579	Yes or No
CV Occupied Cooling Setpoint	Details>Setpoints>ClgOcc>Sp	29608	Range 45 to 98 degrees
CV Unoccupied Cooling Setpoint	Details>Setpoints>ClgUnocc>Sp	29609	Range 46 to 99 degrees
Supply Air Cool Limit Enable	Details>Control>Clg>Setup>SATCoolLimit-En	29590	Yes or No
Supply Air Cool Limit Set Point	Details>Control>Clg>Setup>SATCoolLimit-Sp	29591	40 to 65 degrees
Hot Gas Bypass Installed (Present)	Details>Service>Factory>Standard>HGP-Inst	29623	Yes or No
Pump Out Enable	Details>Service>Factory>Misc>Pumpout-En	29921	Used on YD30, YD40, YD50 models only
Cooling Status			
Cooling Status	Status>Clg-S	29577	Displays Cooling Status
Staged Cooling Command	Details>Control>Clg>Status>StgClgCmd	29922	0% to 100%
Compressor 1 Command	Details>Control>Clg>Stage 1>C1-Cl	29611	
Compressor 1 Status	Details>Control>Clg>Stage1>C1-S	29615	
Compressor 1 Enabled	Details>Control>Clg>Stage1>C1-En	29619	
Compressor 2 Command	Details>Control>Clg>Stage2>C2-Cl	29612	
Compressor 2 Status	Details>Control>Clg>Stage2>C2-S	29616	
Compressor 2 enabled	Details>Control>Clg>Stage2>C2-En	29620	
Compressor 3 Command	Details>Control>Clg>Stage3>C3-Cl	29613	
Compressor 3 Status	Details>Control>Clg>Stage3>C3-S	29617	
Compressor 3 Enabled	Details>Control>Clg>Stage3>C3-En	29621	
Compressor 4 Command	Details>Control>Clg>Stage4>C4-Cl	29614	
Compressor 4 Status	Details>Control>Clg>Stage4>C4-S	29618	
Compressor 4 Enabled	Details>Control>Clg>Stage4>C4-En	29622	
Comp. Accumulated Run Time	Details>Control>Clg>Stage (1-4)>RunTime	29627, 29628, 29629, 29630	Hours
Heat Pump Setup / Status			
Heat Pump number of Stages	Details>Service>Factory>Standard>#HP Stages	29898	1 to 2 stages
Defrost Curve	Commission>Defrost>DefrostCurveSel	29899	Defrost Curve 1 to 6
Reversing Valve	Summary>HeatPump>RevVlv	29900	Output Status
Auxiliary Heat	Summary>HeatPump>AuxHtg	29901	Output Status
Heat Pump Mode	Summary>HeatPump>Mode	29902	Operating Status
Hot Gas Reheat Setup / Status			
Hot Gas Reheat Enabled	Details>Service>Factory>Standard>HGR-En	29789	Yes or No
HGR Humidity Setpoint	Details>Control>HGR>HGRHum-Sp	29792	0 to 100%
HGR Alternate Operation Enabled	Details>Control>HGR>HGRAIt-En	29793	Yes or No
HGR Alternate Operation Writable	Details>Control>HGR>HGRAItWrite	29794	Yes or No
HGR Enabled for Un-Occ Operation	Details>Control>HGR>HGRUnocc-En	29904	Yes or No
HGR Un-Occ Humidity Setpoint	Details>Control>HGR>HGRUnoccHum-Sp	29903	0% to 100%
Hot Gas Reheat Status	Details>Control>HGR>HGR-S	29791	

Economizer & Power Exhaust

SSE Point	SSE & Map Gateway Path	BACNet Point	Setting Value
Economizer Setup			
Economizer Enabled	Commission>Econ>Econ-En	29747	Yes or No
Free Cooling Selection	Details>Control>Econ>Setup>FreeClg-Sel	29752	Auto; Dry Bulb; Single Enthalpy; Dual Enthalpy
All Compressor OFF-Economizer	Details>Control>Clg>Setup>AllCompOff-Econ	29584	Yes or No
Economizer Minimum Position	Details>Control>Econ>Setup>Econ-MinPos	29759	% Damper Position (Normal Fan Speed)
Low Speed Fan Min Position	Details>Control>Econ>Setup>LowSpeedFan-MinPos	29808	% Damper Position (Overrides Min Pos if Fan is in Low Speed)
Low Ambient Minimum Position	Details>Control>Econ>Setup>LowAmb-MinPos	29756	% Damper Position (Overrides Min Pos if OD Temp is below LA SP)
Low Ambient Set point	Details>Control>Econ>Setup>LowAmb-Sp	29755	0 to 60 degrees
Economizer OAT Setpoint	Details>Control>Econ>Setup>EconOAT-SpEn	29753	40 to 80 (Used if Drybulb Changeover is selected)
VAV Clg SA Upper Stpt	Details>Setpoints>SATUp-Sp	29604	60 degree (Use for Econ. Mech Option B)
VAV Clg SA Lower Stpt	Details>Setpoints>SATLo-Sp	29605	55 degree (Use for Econ. Mech Option B)
Economizer Loading Enabled	Details>Control>Clg>Setup>EconLoad-En	29583	Yes or No
Economizer Fault Detection Enable	Commission>Econ>EconFITDetectEn	29915	Disable/Enable
Economizer Status			
Economizer Status	Status>Econ-S	29750	
Economizer Free Cooling Available	Summary>Econ>Econ-Free	29749	Yes or No
Economizer Damper Position	Details>Service>Inputs>Sensors>EconDampPos	29748	% Open
Economizer Mechanical Setup	Details>Control>Econ>Setup>EconMechStp	29912	Option A; Option B
Economizer Firmware	Controllers>SysCtrlrs>Econ>EconMainVer	N/A	View at board level or Map Gateway
Demand Ventilation (CO2 Sensor Required)			
Demand Ventilation Mode	Commission>Dvent>Dvent-Mode	29765	Disabled, Controlled by IAQ, Diff Between IAQ & OAQ
Demand Ventilation IAQ Set Point	Commission>Dvent>DventIAQ-Sp	29767	0 to 5000 ppm
Demand Ventilation IAQ Range	Commission>Dvent>IAQRange	29529	0 to 5000 ppm
D-Vent Max Econ Damper Position	Commission>Dvent>DventMaxEconPos	29766	0% to 100% open
Demand Ventilation OAQ Range	Commission>Dvent>OAQRange	29548	0 to 5000 ppm
D-Vent Differential Set Point	Commission>Dvent>DventDiff-Sp	29768	0 to 5000 ppm
Power Exhaust Setup / Status			
Power Exhaust Fan Type	Details>Service>Factory>Econ>ExFType	29774	None, Non-Modulating, Modulating, VFD
Power Exhaust Fan Command	Details>Control>PowerEx>Status>	29775	
Power Exhaust Fan Status	Details>Control>PowerEx>Status>ExFan	29777	
PE Modulating Damper Output	Summary>PowerEx>EAD-O	29782	
Building Pressure Set Point	Summary>PowerEx>Bldg-Sp	29780	
Econ Damper Position - PE "OFF"	Summary>PowerEx>EconDmpPosFanOff	29786	Used with Non-Modulating Power Exhaust
Econ Damper Position - PE "ON"	Summary>PowerEx>EconDmpPosFanOn	29785	Used with Non-Modulating Power Exhaust
PE Damper Position - "OFF"	Commission>PowerEx>ExDmpPosFanOff	29784	Used with Modulating Damper

PE Damper Position - "On"	Commission>PoweEx>ExDmpPosFanOn	29783	Used with Modulating Damper
Power Exhaust VFD Output Status	Summary>PowerEx>ExFanVFD	29776	Used with VFD Driven Power Exhaust Motor
Sensor Information			
SSE Point	SSE & Map Gateway Path	BACNet Point	Setting Value
Sensor Inputs / Readings			
Supply Air Temperature	Details>Service>Inputs>Sensors>SAT	29564	
Return Air Temperature	Details>Service>Inputs>Sensors>RAT	29764	
Operational Outdoor Air Temp	Details>Zone>Outdoor>OprOAT	29541	
CV Operating Heating Setpoint	Details>Setpoints>CVOPrHtg-Sp	29730	
CV Operating Cooling Setpoint	Details>Setpoints>OprCVClg-Sp	29610	
Operational Space Temperature	Details>Zone>Indoor>OprST	29522	
Operational Space Sensor Offset	Details>Zone>Indoor>OprSSO	29537	
Space Temperature Source	Details>Zone>Indoor>STsrc	29523	Return Air Temp, Local Input, Network Sensor, BAS Override
Space Sensor Offset Range	Details>Zone>Indoor>SSORange	N/A	0 to 5 degrees F setpoint
Space sensor Offset Source	Details>zone>Indoor>SSOsrc	29538	
Space Humidity RAH input	Details>Control>Econ>Status>RAH	29828	
Outdoor Air Humidity Input	Details>Service>Inputs>Sensor>OAH	N/A	
Outdoor Air Enthalpy	Details>Service>Inputs>Sensor>OA-Enth	29545	
Return Air Enthalpy	Details>Control>Econ>Status>RA-Enth	29763	
Operational Space Humidity	Details>Zone>Indoor>OprSH	29531	
Operational Outdoor Air Humidity	Details>Control>Econ>Status>OprOAH	29544	
Net Override Space Temperature	Details>Service>Inputs>NetworkInputs>NetST	29526	Writable Point to Space Temp
Net Override Outdoor Air Temp	Details>Service>Inputs>NetworkInputs>NetOAT	29543	Writable Point to OAT
Net Override Indoor Air Quality	Details>Service>Inputs>NetworkInputs>NetIAQ	29530	Writable Point to IAQ
Net Override Outdoor Air Quality	Details>Service>Inputs>NetworkInputs>NetOAQ	29549	Writable Point to OAQ
Net Override Outdoor Air Humidity	Details>Service>Inputs>NetworkInputs>NetOAH	29546	Writable Point to OAH
Net Override Space Humidity	Details>Service>Inputs>NetworkInputs>NetSH	29533	Writable Point to Space Humidity
Net Override Space Sensor Offset	Details>Service>Inputs>NetworkInputs>NetSSO	29540	Writable Point to Space Sensor offset
Building Pressure	Summary>PowerEx>BldgPres	29781	(-).25 to .25"wc
IAQ Input	Details>Service>Inputs>Sensor>IAQ	N/A	
OAQ Input	Details>Service>Inputs>Sensor>OAQ	N/A	
Operational IAQ	Summary>Dvent>OprIAQ	29527	
IAQ source	Details>Zone>Indoor>IAQsrc	29528	
Operational OAQ	Summary>Dvent>OprOAQ	29547	
OAQ source	Details>Zone>Outdoor>OAQsrc	29548	