

GEN X BACnet IP Objects & Summary

BACnet Interface Communication Protocol: BACnetIP only

MS/TP: Not supported

Connection Type: Ethernet

Wiring: 10Base-T/100Base-TX

Object Access Services: Read/Write-Property (Read/Write-Property-Multiple is not supported)

GEN X

Object Name	Object	Property (read or write)	Value/Units	Object Type
GENX	DEV#+ID	Read	Operational	Device
System Status	MV0	Read	Cool/Heat/Purge/ Vent/Balance	Multi-State Variable
Outside Air	AV2	Read	°F	Analog Variable
Return Air	AV1	Read	°F	Analog Variable
Leaving Air	AV0	Read	°F	Analog Variable
Fan	BO0	Read/Write	ON/AUTO	Binary Output

Thermostat

Object Name	Object	Property (read or write)	Value/Units	Object Type
GENX Stat##	DEV#+ID	Read	Operational	Device
Return Air	AV8	Read	°F	Analog Variable
Leaving Air	AV7	Read	°F	Analog Variable
Room Temp	AV0	Read	°F	Analog Variable
Auto Mode	BO1	Read/Write	OFF/ON	Binary Output
Vacation Enable	BO0	Read/Write	Enable/Disable	Binary Output
Priority Votes	AO6	Read/Write	0,1,2, or 3	Analog Output
Lock Level	AO5	Read/Write	0=Unlock 1=+/-2 2=No adjustment	Analog Output
Unoccupied Heat Set Point	AO4	Read/Write	°F	Analog Output
Unoccupied Cool Set Point	AO3	Read/Write	°F	Analog Output
Occupied Heat Set Point	AO2	Read/Write	°F	Analog Output
Occupied Cool Set Point	AO1	Read/Write	°F	Analog Output

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GEN X

1. System (All values Read Only)
 - a. System time & date
 - b. Firmware version
 - c. Vendor Name & ID
2. System Status (All values Read Only)
 - a. Off – Not used
 - b. Vent
 - c. Cool
 - d. Heat
 - e. Purge
 - f. Balance
3. Outside/Return/Leaving Air Sensors (All values Read Only)
4. Fan
 - a. Auto
 - b. ON

Thermostat

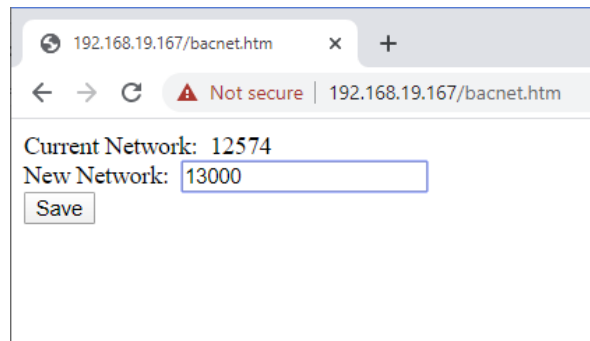
1. Thermostat
 - a. Device -- general info
 - i. Time & date (read only)
 - ii. Vendor Name & ID (read only)
 - b. Leaving & Return Air (read only)
 - i. EZTOUCHX – these value originate from the GEN X controller
 - ii. SATOUCHX - these values originate from sensors installed the return and supply air ducts of the unit and are directly connected to the thermostat.
 - c. Room temp (read only)
 - d. Auto Mode
 - i. OFF or ON(AUTO)
 - e. Vacation
 - i. Enable or Disable
 - f. Priority Votes
 - i. Value Range 0 (null or no vote), 1, 2, or 3
 - g. Lock Level
 - i. 0=Unlock – unlimited set point value change
 - ii. 1=+/-2 - can change set point + or – 2 degrees
 - iii. 2=Hard lock – no set point adjustment allowed
 - h. Occupied & Unoccupied Heat/Cool Set Points
 - i. Heat Range 55°F to 93°F
 - ii. Cool Range 57°F to 95°F
 - i. Leaving/Return Air Temps (READ ONLY)
 - i. SATOUCHX – these temps come from temperature sensors connected to the stat
 - ii. EZTOUCHX – these temps come from the zoned unit

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Changing the Network ID

In certain cases it may be necessary to modify Network ID of a GEN X to avoid conflicts with other devices that have the same ID.

To change the Network ID open up a web browser on a PC that is connected to the same subnet that the GEN X is connected to. Type the IP address of the GEN X into the browser in the following format: xxx.xxx.xxx.xxx/bacnet.htm (see example below) and hit Enter. In the New Network field type in the Network ID you wish to use (1000 to 65000 with no commas) and click the Save button.



Once the Save button is clicked the Current Network ID should change accordingly:

