BACnet Controller TECHNICAL MANUAL

△WARNING:

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.



Made in the USA BNC-TM1-0720

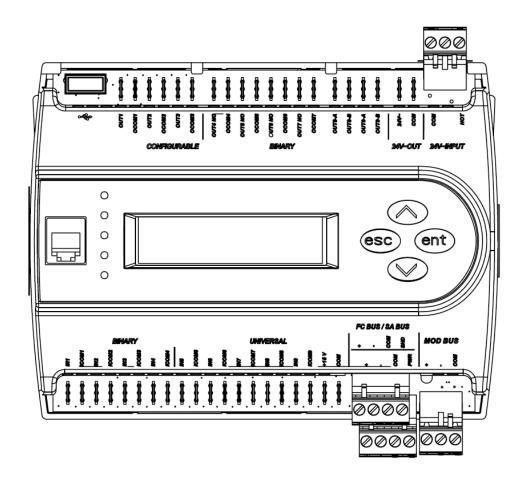


OPERATING INSTRUCTIONS

BACNET CONTROLLER

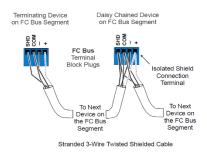
The BACnet Controller is a native BACnet[®], fully programmable, direct digital controller. It provides a communication link between a BAS (Building Automation System) and the Cambridge heater. The controller provides precise monitoring and control of connected points.

- BACnet® MS/TP compliant operating at up to 76.8 kilobaud
- BTL-certified controller
- Standard input points for fan status, burner status, discharge temperature, zone temperature, outdoor temperature and unit lockout status
- Standard output points for fan control, burner control and discharge temperature control
- Selectable operating modes (unit heater / makeup air / summer ventilation)
- Removable screw terminal blocks
- Onboard USB port for firmware upgrades
- Local user interface display for commissioning and monitoring



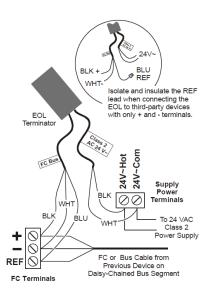
MS/TP NETWORK CONNECTION

- Use stranded 3-wire twisted pair, shielded cable to connect to FC BUS (blue) terminals.
- Run all low-voltage wiring and cables separate from high-voltage wiring.
- Connect the terminals in parallel with all other – terminals and the + terminals in parallel with all other + terminals.
- The FC bus Shield (SHD) terminal is isolated and can be used to as a shield drain connection.



END-OF-LINE TERMINATION

If a controller is on either end of a BACnet MS/TP network an EOL terminator (JCI # MS-BACEOL-0) must be installed for proper network operation.



NETWORK PARAMETERS

Before operating controllers on a bus, you must set a valid and unique device address for each controller on the bus through the local display or MAP gateway. Device addresses 4 through 127 are the valid addresses for these controllers. The MAC address is set for a default of 4

The baud rate is set for a default of Auto. The controller will listen for the bus supervisor to communicate first; then automatically set its baud rate to the bus supervisor's baud rate. If you anticipate critical peer-to-peer communication and therefore do not want the controllers to wait for the bus supervisor to establish the baud rate, you can specify the baud rate for each device immediately at startup.

To change any of the network settings (Device Name, Description, Address, Device Object ID) go to Controller > Network from the local display or MAP gateway.

NOTE: When changing any network parameters it is recommended that the controller be disconnected from the network while the changes are being made and that the power be cycled to the controller after all changes have been made before reconnecting the controller to the network.

POINTS LISTS

The following lists of points are accessible via the network. Points listed as optional may not be applicable to all systems.

INPUT OBJECTS

Type	Object	Input#	Description	Writeable	Val	ues
Binary	MV:3018	BI:1	Burner status	False	0 = Off	/ 1 = On
Binary	MV:3016	BI:2	Supply Fan status	False	0 = Off / 1 = On	
Binary	MV:3017	BI:3	Unit lockout status	False	0 = Normal	/ 1 = Alarm
Binary	MV:50055	BI:4	Mode Switch (optional)	False	0 = Normal / 1 = Override	
Binary	MV:50051	BI:7	Filter status (optional)	False	0 = Normal	/ 1 = Alarm
Type	Object	Input#	Description	Writeable	Units	Range
Analog	AV:3039	AI:5	Filter pressure (optional)	False	" wc	0 - 1
Analog	AV:3011	AI:6	Discharge air temperature	False	°F	-50 - 250
Analog	AV:3019	AI:8	Outdoor air temperature	False	°F	-50 - 250
Analog	AV:3020	AI:9	Zone temperature	False	°F	-50 - 250

OUTPUT OBJECTS

Туре	Object	Output#	Description	Writeable	Val	ues
Binary	MV:3019	BO:4	Burner command	False	0 = Off	′ 1 = On
Binary	MV:3020	BO:5	Supply Fan command	False	0 = Off / 1 = On	
Туре	Object	Output#	Description	Writeable	Units	Range
Analog	AV:3026	AO:1	Burner Modulation Output	False	%	0 - 100
Analog	AV:3032	AO:2	Supply Fan Output (optional)	False	%	0 - 100

BINARY VALUE OBJECTS

Object	Description	Writeable	Values
BV:0	Burner Runtime Reset	True	0 = Off / 1 = Reset
BV:1	Burner Cycle Count Reset	True	0 = Off / 1 = Reset
BV:2	Supply Fan Runtime Reset	True	0 = Off / 1 = Reset
BV:3	Supply Fan Cycle Count Reset	True	0 = Off / 1 = Reset

MULTISTATE VALUE OBJECTS

Object	Description	Writeable	States	Values
MV:11	Burner HOA	True	3	1 = Hand / 2 = Off / 3 = Auto
MV:1577	Burner Modulation Mode	True	2	1 = Auto / 2 = Manual
MV:3001	Unit Status	False	4	1 = Heating 2 = Satisfied 3 = Cooling 4 = Temperature Unreliable
MV:3002	Time Zone	True		
MV:3005	Language	True		
MV:3006	Units	True	2	1 = IP / 2 = SI
MV:3007	FCB Baud Rate	True	6	1 = Auto 2 = 1200 3 = 9600
MV:3008	Operating Baud Rate	False		4 = 19200 5 = 38400 6 = 76800
MV:3009	PID Tuning Reset	True	2	1 = Off / 2 = Reset
MV:3010	Occupancy Schedule	True	NA	Occupancy Schedule
MV:3011	Unit Enable Mode	True	2	1 = Shutdown / 2 = Enable
MV:3012	Effective Occupancy	False	2	Occupied / Unoccupied
MV:3016	Supply Fan Status	False	2	1 = Off / 2 = On
MV:3017	Unit Reset Fault	False	2	1 = Normal / 2 = Alarm
MV:3018	Burner Status	False	2	1 = Off / 2 = On
MV:3019	Burner Command	False	2	1 = Off / 2 = On
MV:3020	Supply Fan Command	False	2	1 = Off / 2 = On
MV:3021	Occupancy Override	True	5	1 = Occupied 2 = UnOccupied 3 = Bypass 4 = Standby 5 = Not Set
MV:3022	Emergency Heat Enabled	False	2	1 = Inactive / 2 = Active
MV:50050	Supply Fan HOA	True	3	1 = Hand / 2 = Off / 3 = Auto
MV:50052	Normal Mode	True		1 = Unit Heat 2 = Makeup Air
MV:50053	Override Mode	True	5	3 = Makeup Air w/PID 4 = Makeup Air w/PID & On-Off
MV:50054	Effective Mode	False		5 = Summer Ventilation
MV:50056	Burner Fault	False	2	1 = Normal / 2 = Alarm
MV:50057	Supply Fan Fault	False	2	1 = Normal / 2 = Alarm
MV:50058	Reset Unit Fault	True	2	1 = Off / 2 = Reset
MV:50059	Zone Temperature Sensor Failure	False	2	1 = Normal / 2 = Alarm
MV:50060	Supply Air Temperature Sensor Failure	False	2	1 = Normal / 2 = Alarm
MV:50061	Outdoor Air Temperature Sensor Failure	False	2	1 = Normal / 2 = Alarm
MV:50062	DAT Low Temperature Alarm	False	2	1 = Normal / 2 = Lockout

Cambridge Air Solutions

ANALOG VALUE OBJECTS

Object	Description	Writeable	Units	Range	Default
AV:130	Zone Low Limit + Differential	True	°F	-10 – 10	3°F
AV:756	Discharge Air Set Point – Unit Heat Mode	False	°F	NA	NA
AV:1382	Burner Modulation Set Point	False	%	NA	NA
AV:3003	Device Address	True	NA	4 - 127	4
AV:3004	Device Object ID	True	NA	0 - 4194302	NA
AV:3007	Zone Low Limit Set Point	True	°F	0 – 50	40°F
AV:3008	Effective Cooling Set Point	False	°F	NA	NA
AV:3009	Effective Heating Set Point	False	°F	NA	NA
AV:3010	Heating Lockout Set Point	True	°F	0 – 130	55°F
AV:3011	Effective Discharge Air Temperature	False	°F	NA	NA
AV:3012	Discharge Air High Set Point	True	°F	40 – 160	160°F
AV:3014	Discharge Air Low Set Point	True	°F	40 – 160	70°F
AV:3015	Occupied Zone Cooling Set Point	True	°F	60 – 90	60°F
AV:3016	Unoccupied Zone Cooling Set Point	True	°F	60 – 90	60°F
AV:3017	Occupied Zone Heating Set Point	True	°F	40 – 130	65°F
AV:3018	Unoccupied Zone Heating Set Point	True	°F	40 - 80	55°F
AV:3019	Effective Outdoor Temperature	False	°F	NA	NA
AV:3020	Effective Zone Temperature	False	°F	NA	NA
AV:3026	Modulated Burner Control	False	%	NA	NA
AV:3029	Application Software Version	False	NA	NA	NA
AV:3030	Effective Discharge Air Set Point	False	°F	NA	NA
AV:3031	Supply Fan Speed (optional)	True	°F	0 - 100	100%
AV:3033	Burner Runtime	False	hours	NA	NA
AV:3034	Burner Cycle Count	False	NA	NA	NA
AV:3035	Supply Fan Runtime	False	hours	NA	NA
AV:3036	Supply Fan Cycle Count	False	NA	NA	NA
AV:3037	Discharge Air Set Point – Makeup Air Mode	True	°F	40 – 160	65°F
AV:3038	Network Override Outdoor Air Temperature	True	°F	-50 - 250	NA
AV:3040	Filter Pressure Offset	True	" wc	-1 - 1	0" wc
AV:3041	Fan Fault Delay	True	seconds	0 - 300	60 sec
AV:3042	Burner Fault Delay	True	seconds	0 - 300	60 sec
AV:3043	Low Temperature Cutout Setpoint	True	°F	45 - 55	45°F
AV:3044	Low Temperature Cutout Delay	True	seconds	0 - 300	60 sec

OPERATING SEQUENCES

UNIT HEATER / OCCUPIED MODE

- 1. If Zone Temperature is below Zone Set Point then Supply Fan and Burner start.
- 2. Discharge Temperature modulates to Discharge Set Point.
- 3. If Zone Temperature is above Zone Set Point plus Differential then Supply Fan and Burner stop.
- 4. Unit will not operate if Outdoor
 Temperature is above Heating Lockout Set
 Point.

MAKEUP AIR / OCCUPIED MODE

- 1. Supply Fan and Burner run continuously.
- 2. Discharge Temperature modulates to Discharge Set Point.
- 3. Burner will not operate if Outdoor Temperature is above Heating Lockout Set Point.

MAKEUP AIR w/RESET / OCCUPIED MODE

- 1. Supply Fan and Burner run continuously.
- 2. Discharge Temperature modulates to maintain Zone Set Point based on PID loop.
- 3. Burner will not operate if Outdoor Temperature is above Heating Lockout Set Point.

MAKEUP AIR w/RESET PLUS ON-OFF / OCCUPIED MODE

- If Zone Temperature is below Zone Set Point plus Differential then Supply Fan and Burner start.
- 2. Discharge Temperature modulates to maintain Zone Set Point based on PID loop.
- 3. If Zone Temperature is above Zone Set Point plus Differential then Supply Fan and Burner stop.
- 4. Burner will not operate if Outdoor Temperature is above Heating Lockout Set Point.

SUMMER VENTILATION MODE

- 1. If Zone Temperature is above Zone Set Point then Supply Fan starts.
- 2. If Zone Temperature is below Zone Set Point minus Differential then Supply Fan stops.
- 3. Supply Fan will not operate if Outdoor Temperature is above Zone Temperature.

UNOCCUPIED MODE

- 1. If Zone Temperature is below Zone Set Point then start Supply Fan and Burner.
- 2. Discharge Temperature modulates to Discharge Set Point.
- 3. If Zone Temperature is above Zone Set Point plus Differential then stop Supply Fan and Burner.
- 4. Unit will not operate if Outdoor
 Temperature is above Heating Lockout Set
 Point.

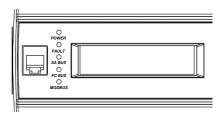
DEFAULT SETTINGS

The controller will function to control the unit without the network being connected, provided that a Zone Temperature Sensor is connected. The default settings are:

- Normal Mode = Unit Heater
- Discharge Set Point = 160°F
- Zone Set Point = 65° F
- Set Point Differential = 3°F

TROUBLESHOOTING

The status LEDs indicate power connection and network communication



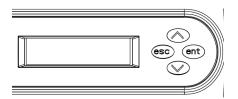
Label	Color	Normal State	Description
Power	Green	On Steady	On Steady = Power Connected Off Steady = No Supply Power. Check Output wiring for short circuits and cycle power to the controller.
Fault	Red	Off Steady	Off Steady = No Faults On Steady = Device Fault: no application loaded; Main Code download required if controller is in Boot mode, or a firmware mismatch exists between the PEAK controllers and the ZRF1811 Wireless Field Bus Router. Blink - 2 Hz = Download or Startup in progress, not ready for normal operation
SA Bus	Green	Blink - 2 Hz	Blink - 2 Hz = Data Transmission (normal communication) Off Steady = No Data Transmission (Auto baud in progress) On Steady = Communication lost, waiting to join.
FC Bus	Green	Blink - 2 Hz	Blink - 2 Hz = Data Transmission (normal communication) Off Steady = No Data Transmission (Auto baud in progress) On Steady = Communication lost, waiting to join.
Mod Bus	Green	Blink - 2 Hz	Blink - 2 Hz = Data Transmission (normal communication) Off Steady = No Data Transmission (Auto baud in progress) On Steady = Communication lost, waiting to join.

NOTE:

If the display/buttons do not work there is a ribbon cable under the controller cover that may become disconnected. Remove the cover and carefully reconnect the ribbon cable.

LOCAL DISPLAY

The controller includes an onboard illuminated LCD display and 4 buttons for monitoring and adjustment.



Label	Name	Description
esc	Escape	Exit the current menu level and go up one level
ent	Enter	Access the menu Accept the current selection
	Up	Scroll through menu selections
₩	Down	Adjust current parameter selection

SETTING COMMON PARAMETERS

NETWORK SETTINGS

- 1. Press **ent** button on the controller to access the menus.
- 2. Press or button to scroll to Controller.
- 3. Press **ent** button.
- 4. Press **▼** or **△** button to scroll to Network.
- 5. Press **ent** button.
- 6. Press or button to select desired setting to change:
 - Address (4-127, must be unique)
 - Device Object ID (must be unique)
 - FC Communication Mode
 - Baud Rate (Auto recommended, use 38400 for Smart Building Hub)
 - BACnet Encoding Type
- 7. Press **ent** button. Current setting will be displayed.
- 8. Press and hold **ent** button. Display will flash for editing mode.
- 9. Press or button to change to setting.
- 10. Press **ent** button. Display will stop flashing to indicate value has been saved.
- 11. Press **esc** button to return to Network level.
- 12. Repeat steps 6-11 to change any other settings.
- 13. When completed continue pressing **esc** button to return to home screen.

ZONE TEMPERATURE SETPOINTS

- 1. Press **ent** button on the controller to access the menus.
- 2. Press or button to scroll to Commission.
- 3. Press **ent** button.
- 4. Press or button to scroll to Zone Temperature Setpoint.
- 5. Press **ent** button.
- 6. Press or button to select desired setpoint to change:
 - Occupied Heating Setpoint
 - Occupied Cooling Setpoint
 - Unoccupied Heating Setpoint
 - Unoccupied Cooling Setpoint
- 7. Press **ent** button. Current setpoint will be displayed.
- 8. Press and hold **ent** button. Display will flash for editing mode.
- Press ✓ or ^ button to change to setting by 0.1°F increments until desired setpoint is reached.
- 10. Press **ent** button. Display will stop flashing to indicate value has been saved.
- 11. Press **esc** button to return to Zone Temperature Setpoint level.
- 12. Repeat steps 6-11 to change any other setpoints.
- 13. When completed continue pressing **esc** button to return to home screen.

OPERATING MODES

- 1. Press **ent** button on the controller to access the menus.
- 2. Press or button to scroll to Summary.
- 3. Press **ent** button.
- Press ✓ or △ button to scroll to Miscellaneous.
- 5. Press **ent** button.
- 6. Press or button to scroll to desired mode to change:
 - Normal Mode
 - Override Mode
- 7. Press **ent** button. Current normal operating mode will be displayed.
- 8. Press and hold **ent** button. Display will flash for editing mode.
- 9. Press or button to change the operating mode:
 - Unit Heat
 - Summer Vent
 - Makeup Air w/Reset & On/Off
 - Makeup Air w/Reset
 - Makeup Air
- 10. Press **ent** button. Display will stop flashing to indicate value has been saved.
- 11. Press **esc** button to return to Miscellaneous level.
- 12. Repeat steps 6-11 to change any other operating modes.
- 13. When completed continue pressing **esc** button to return to home screen.

SCHEDULES

- 1. Press **ent** button on the controller to access the menus.
- 2. Press or button to scroll to Schedule.
- 3. Press **ent** button.
- 4. Display shows Occupancy Schedule.
- 5. Press **ent** button.
- 6. Press or button to scroll to Edit Weekly Schedule.
- 7. Press **ent** button.
- 8. Press or button to scroll to Add Event.
- 9. Press **ent** button.
- 10. Display shows Select Weekday.
- 11. Press or button to scroll to desired day.
- 12. Press **ent** button.
- 13. Display shows day and current setting. First time digit will flash for editing mode.
- 14. Press or button to set first time digit.
- 15. Press **ent** button to advance to second time digit.
- 16. Press or button to set second time digit.
- 17. Press **ent** button to advance to third time digit.
- 18. Press or button to set third time digit.
- 19. Press **ent** button to advance to fourth time digit.
- 20. Press or button to set fourth time digit.
- 14. Press **ent** button to advance to schedule selection.
- 15. Press ✓ or button to change the schedule status:
 - Not Set
 - Occupied
 - UnOccupied
 - Standby
- 16. Press **ent** button twice to confirm entry.
- 17. Repeat steps 11-16 to change any other days.
- 18. When completed continue pressing **esc** button to return to home screen.

TYPICAL SCHEDULE

Monday	12:00 AM	Unoccupied
	8:00 AM	Occupied
	5:00 PM	Unoccupied
Tuesday	12:00 AM	Unoccupied
	8:00 AM	Occupied
	5:00 PM	Unoccupied
Wednesday	12:00 AM	Unoccupied
	8:00 AM	Occupied
	5:00 PM	Unoccupied
Thursday	12:00 AM	Unoccupied
	8:00 AM	Occupied
	5:00 PM	Unoccupied
Friday	12:00 AM	Unoccupied
	8:00 AM	Occupied
	5:00 PM	Unoccupied
Saturday	12:00 AM	Unoccupied
Sunday	12:00 AM	Unoccupied

NOTE:

Each day must be programmed with the initial operating status at midnight (12:00 AM).

The current date and time can't be set from the controller, it requires a MAP, SBH or BACnet interface.

MENU STRUCTURE

The following is the menu structure for accessing settings via the local display or MAP gateway.

Alarms	
Status	-Makeup Air
FUnit Status	-Makeup Air w/Reset
-Effective Occupancy	
-Effective Mode	LSummer Vent
-Effective Discharge Air Temperature	-Effective Occupancy
-Eff Discharge Air Temperature Setpoint	-Reheat Available
-Effective Zone Temperature	^L Unit Enable Mode
-Effective Heating Setpoint	-Shutdown
-Effective Cooling Setpoint	∟ <i>Enable</i>
-Burner Command	-Alarms
-Modulated Burner Control	Heater Lockout Alarm
-Supply Fan Command	-Emergency Heat Enable
-Supply Fan Speed	LFilter Status
Filter Status	-Network
-Switch State	^L Communication Status
-Switch State	L _{Totalization}
C	-Supply Fan Runtime
Summary	-Supply Fan Runtime Reset
Inputs	-False
-Effective Discharge Air Temperature	$\mid L_{True}$
-Effective Zone Temperature	-Supply Fan Cycle Count
-Effective Outdoor Air Temperature	-Supply Fan Cycle Count Reset
-Supply Fan Status	False
-Burner Status	$\mid L_{True}$
-Unit Reset	-Burner Runtime
Filter Status	\-False
-Switch State	$\mid L_{True}^{True}$
Outputs	-Burner Cycle Count
Effective Zone Temperature	Burner Cycle Count Reset
Effective Outdoor Air Temperature	False
OA Lockout	L _{True}
U User can adjust Range $0.0 - 90.0^{\circ} F$	1100
Supply Fan Command	Commissioning
-Burner Command	-Options
-Modulated Burner Control	Low Limit Setpoint
LSupply Fan Output	User can adjust range $0.0 - 50.0^{\circ} F$
-Effective Setpoint	-Coer can adjust range 0.0 = 30.0 T
Effective Heating Setpoint	Luser can adjust range $-10.0 - 10.0$ ° F
-Effective Cooling Setpoint	11
LEffective Discharge Air Setpoint	OA Heating Lockout Setpoint User can adjust range 0.0 – 90.0° F
Miscellaneous	11
-Normal Mode	-Auto PID tuning Enable
-Unit Heat	-Automatic
-Makeup Air	LManual
-Makeup Air w/Reset	LSupply Fan Speed
-Makeup Air w/Reset & On/Off	User can adjust range 0.0 – 100.0%
Summer Vent	-Miscellaneous
-Override Mode	PID Tuning Reset

-Off	Effective Outdoor Air Temperature
L-Reset	-Effective Zone Temperature
-Occupancy Schedule	LEffective Mode
-Occupied	LNetwork
-UnOccupied	-Device Name
-Standby	\bigcup User can change name of device
L _{Not Set}	LAddress
-Unit Enable Mode	L User can adjust range from 4 – 127
-Shutdown	Controller
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Firmware
-Network Override Outdoor Air Temperature	Firmware Status
$LUser\ can\ adjust\ range\ -50-250^{\circ}F$! !
-Normal Mode	-Firmware Main Version
-Unit Heat	Equipment Template Version
-Makeup Air	Equipment Archive Version
-Makeup Air w/Reset	LEquipment View Version
-Makeup Air w/Reset & On/Off	-Time
Summer Vent	Time (not accessible via display)
Override Mode	-Date (not accessible via display)
-Unit Heat	LTime Zone
-Makeup Air	^L User can select required time zone
-Makeup Air w/Reset	-Misc
-Makeup Air w/Reset & On/Off	-Language
Summer Vent	User can select required language
Discharge Air Setpoint	-Units
LDischarge Air Temperature Setpoint	
LUser can adjust range 65.0 – 180.0° F	
Zone Temperature Setpoint	-Display Contrast
Occupied Heating Setpoint	User can select range 2 - 6
LUser can adjust range 40.0 – 80.0° F	LRelearn System
Occupied Cooling Setpoint	False
LUser can adjust range 60.0 – 90.0° F	LTrue
	LNetwork
-Unoccupied Heating Setpoint	-Device Name
Luser can adjust range 40.0 – 80.0° F	LUser can input device name
Unoccupied Cooling Setpoint	-Description
User can adjust range 60.0 – 90.0° F	LUser can input an equipment description
Overrides	-Address
-Supply Fan HOA	LUser can select range 4 - 127
-Hand	-Device Object ID
	$\sqcup U$ ser can select range $0-4,194,302$
L'Auto	-FC Comm Mode
-Supply Fan Speed	-Wired Field Bus
User can adjust range 0.0 – 100.0%	-Wireless Field Bus
-Burner HOA	-N2Slave Field Bus
-Hand	-Modbus Field Bus
-Off	-Ethernet Field Bus
L'Auto	Indeterminate FC Bus Mode
-Burner Modulation Mode	-Communication Status
-Automatic	-Baud Rate
∟ LManual	
-Burner Modulation Setpoint	-Auto -1200
└User can adjust range 0 – 100%	F1200 F9600
-Effective Discharge Air Temperature	Lann

-19200 -38400 -76800 -Operating Baud Rate -BACNET Encoding Type -ISO 10646 (USC-2) -ANSI X3.4 (US-ASCII) -Microsoft DBCS code page ISO 10646 (UTF-8)
Details
- Hunit
-Device Status
-Model name
-Hardware Version
-Application Name
Appl SW Version
Equipment Template Version
Equipment Archive Version
LEquipment View Version
LInternal
-Control Parameters
-Effective Discharge Air Temperature
-Eff Discharge Air Temperature Setpoint
-Eff Integral Time
-Eff Proportional Band
L-Percent CMD
LInput Offset Setup
Set Schedule
LOccupancy Schedule
-Enable Schedule
LOn/Off
-WeeklyToday
LAllows user to change existing schedule
LAdd
LAllows user to add additional status
T. 1
Trend
-Inputs
-Effective Discharge Air Temperature -Effective Outdoor Air Temperature
-Effective Zone Temperature
-Supply Fan Status
-Burner Status
-Unit Reset
Coutputs
-Supply Fan Command
-Burner Command

Device List -Settings -Wi-Fi Access Point -Ethernet -SSL -Software Updates LUser uploads software update files here -Administration LUsers can be added here About -Audit Log LUser can download an Audit Log here -Diagnostics -BACnet Time Sync LÀdmin Change Password Logout

LModulated Burner Control