SimplyVAV

BACnet Protocol Implementation Conformance Statement

SimplyVAV
BAC-8XXX
Application Specific Controller

Revision A

BACnet Protocol Implementation Conformance Statement
(BACnet Testing Laboratories Version)

Date: 03-14-14
Vendor Name: KMC Controls
Product Name: SimplyVAV
Product Model Number: BAC-8XXX
Applications Software Version: APP1.0.7.0   **Firmware Revision:** R1.0.0.5
BACnet Protocol Revision: 135-2008   Version:1, Revision:7

Product Description:
The BAC-8XXX is an application specific direct digital control actuator (B-ASC) that provides precise monitoring and control of connected points. Model specific I/O:

BAC-8001: Single Duct Cooling/Heating
          Inputs: Discharge Air Temp, Space Temp, Setpoint, and Air Flow.
          Binary Outputs: Actuator Drive Clockwise and Actuator Drive Counter Clockwise,

BAC-8005, BAC-8205: Single Duct Fan & Reheat
          Inputs: Discharge Air Temp, Space Temp, Setpoint, and Air Flow (BAC-8205 adds position).
          Analog Outputs: Analog Heat and Fan Speed.
          Binary Outputs: Actuator Drive Clockwise and Actuator Drive Counter Clockwise,
                    Fan Start/Stop, Heating Stage 1, Heating Stage 2 and Heating Stage 3.

BAC-8007: Dual Duct
          Inputs: Discharge Air Temp, Space Temp, Setpoint, Primary Air Flow, Secondary Air Flow,
                     Primary Damper, Position, Secondary Damper position and CO_2.
          Analog Outputs: Analog Heat and Fan Speed.
          Binary Outputs: Actuator Drive Clockwise and Actuator Drive Counter Clockwise,
                    Fan Start/Stop, Secondary Actuator Clockwise, Secondary Actuator Counter
                    Clockwise and Heating Stage/Lighting.

List all BACnet Interoperability Building Blocks supported (see Annex K in BACnet 2001):
DS-RP-A, DS-RP-B, DS-RPM-B, DS-WP-A, DS-WP-B, DS-WPM-B, DM-DDB-A, DM-DDB-B, DM-DCC-B, DM-DOB-B, DM-TS-B, DM-RD-B

Which of the following device binding methods does the product support? (check one or more)

☑ Send Who-Is, receive I-Am (BIBB DM-DDB-A)
☑ Receive Who-Is, send I-Am (BIBB DM-DDB-B)
☐ Send Who-Has, receive I-Have (BIBB DM-DOB-A)
☑ Receive Who-Has, send I-Have (BIBB DM-DOB-B)
☐ Manual configuration of recipient device's network number and MAC address
☐ None of the above

Standard Object Types Supported:

OBJECT	CREATABLE	DELETABLE	OPTIONAL PROPERTIES
Analog Input	No	No	Description, Device_Type
Analog Output	No	No	Description, Device_Type

Analog value	No	No	Description, Priority_Array, Relinquish_Default
Binary Output	No	No	Active_Text, Description, Device_Type, Inactive_Text
Binary Value	No	No	Active_Text, Description, Inactive_Text, Priority_Array, Relinquish_Default
Loop	No	No	Bias, Derivative_Constant, Derivative_Constant_Units, Description, Integral_Constant, Integral_Constant_Units, Maximum_Output, Minimum_Output, Proportional_Constant, Proportional_Constant_Units
Program	No	No	Description, Description_Of_Halt, Program_Location, Reason_For_Halt
File	No	No	Description
Device	No	No	**Description, Local_Date, Local_Time, Location, Max_Info_Frames, Max_Master,**
Multi-State Value	No	No	**Description, Priority_Array, Relinquish_Default, State_Text,**

Data Link Layer Options (check all that are supported):

☐ BACnet IP, (Annex J)
    ☐ Able to register as a Foreign Device
☐ ISO 8802-3, Ethernet (Clause 7)
☐ ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
☐ ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s) _____
☑ MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 76800
☐ MS/TP slave (Clause 9), baud rate(s): 9600, 19200, 38400, 76800
☐ Point-To-Point, EIA 232 (Clause 10), baud rate(s): _____
☐ Point-To-Point, modem, (Clause 10), baud rate(s): _____
☐ LonTalk, (Clause 11), medium: _____
☐ Other: _____

Networking Options (check all that are supported):

☐ Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.:
    _____

☐ Annex H.3, BACnet Tunneling Router over UDP/IP
☐ BACnet/IP Broadcast Management Device (BBMD)
    Does the BBMD support registrations by Foreign Devices?   ☐ Yes   ☐ No

Segmentation Capability (check all that apply):

    ☐ Able to transmit segmented messages   Window Size _____
    ☐ Able to receive segmented messages   Window Size _____

Character Sets Supported (check all that apply):

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

☑ ANSI X3.4   ☐ IBM™/Microsoft™ DBCS   ☐ ISO 8859-1
☐ ISO 10646 (UCS-2)   ☐ ISO 10646 (ICS-4)   ☐ JIS C 6226

If this product is a communication gateway, describe the non-BACnet equipment/network(s) that the gateway supports:
_____
_____
_____

Include any addition information about the product's BACnet capabilities relevant to interoperability:
_____
_____
_____
_____
_____
_____