



DEC Variable Air Volume Controller (DEC-VAV)

BACNET® PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

Date: 1/31/2014

Vendor Name: Westco BAS

Product Name: DEC-VAV

Product Model Number: DEC-VAV

Applications Software Version: V05.10 Firmware Revision: 2013/12/01 BACnet® Protocol Revision: 1

Product Description:

Westco's DEC-VAV is the next generation Variable Air Volume Controller. Plug-in modules are available for flow sensing, actuator and external relay control. These plug-in modules allow easy customization of the DEC-VAV for any type of VAV application. This peer-to-peer, stand alone or networkable VAV controller can control ANY type of variable air volume unit. Offering ICMS software and Tridium® Niagara Framework™ via it's BACnet® MS/TP interface.

BACnet Standardized Device Profile (Annex L):

- BACnet® Operator Workstation (B-OWS)
- BACnet® Building Controller (B-BC)
- BACnet® Advanced Application Controller (B-AAC)
- BACnet® Application Specific Controller (B-ASC)
- BACnet® Smart Sensor (B-SS)
- BACnet® Smart Actuator (B-SA)

List all BACnet Interoperability Building Blocks Supported (Annex K):

- K.1.2 BIBB - Data Sharing-ReadProperty-B (DS-RP-B)
- K.1.8 BIBB - Data Sharing-WriteProperty-B (DS-WP-B)
- K.1.15 BIBB - Data Sharing-COV-Unsolicited-A (DS-COVU-A)
- K.1.16 BIBB - Data Sharing-COV-Unsolicited-B (DS-COVU-B)
- K.5.2 BIBB - Device Management-Dynamic Device Binding-B (DM-DDB-B)

Segmentation Capability:

Not Able to transmit segmented messages Window Size _____
Not Able to receive segmented messages Window Size _____

Standard Object Types Supported:

An object type is supported if it may be present in the device. For each standard Object Type supported provide the following data:

- 1) Whether objects of this type are dynamically creatable using the CreateObject service
- 2) Whether objects of this type are dynamically deletable using the DeleteObject service
- 3) List of the optional properties supported
- 4) List of all properties that are writable where not otherwise required by this standard
- 5) List of proprietary properties and for each its property identifier, datatype, and meaning
- 6) List of any property range restrictions

Note: For all the Object Types listed here, none are dynamically creatable, none are dynamically deletable and no optional properties are supported.

Analog Input Objects, quantity 16.
Analog Output Objects, quantity 8.
Analog Value Objects, quantity 16.
Binary Output Objects, quantity 8.
Device Object, quantity 1.

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ANSI/ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s) _____
- MS/TP master (Clause 9), baud rate(s): **9600, 19200, 38400, 57600, 76800**
- MS/TP slave (Clause 9), baud rate(s): _____
- Point-To-Point, EIA 232 (Clause 10), baud rate(s): _____
- Point-To-Point, modem, (Clause 10), baud rate(s): _____
- LonTalk, (Clause 11), medium: _____
- Other: _____

Device Address Binding:

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.) **NO**

Networking Options:

- Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)
 - Does the BBMD support registrations by Foreign Devices? Yes No

Character Sets Supported:

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

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

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports: **This product is not a communication gateway.**