

## **BACnet Protocol Implementation Conformance Statement**

**Date:** June 6, 2013  
**Vendor Name:** Azbil Corporation  
**Vendor ID:** 85  
**Product Name:** Infilex™ VC VAV Controller with Actuator  
**Product Model Number:** WY5706C5\*\*\*  
**Firmware Revision:** 3  
**BACnet Protocol Revision:** 7

### **Product Description**

Infilex VC Model WY5706C is the BACnet MS/TP VAV Actuator providing high performance direct digital control (DDC) of a variable air volume (VAV) unit in a building air-conditioning system.

Infilex VC, integrated in a VAV unit, can be networked to perform perfectly within complicated HVAC system.

Infilex VC can operate with various VAV unit providing building owners and operators the flexible and high performance temperature and air volume controls.

Infilex VC provides unique energy saving information to networked BACnet zone controller, which enhances overall controllability of Building Management System.

### **BACnet Standardized Device Profile (Annex L)**

- BACnet Operator Workstation (B-OWS)
- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Operator Display (B-OD)
- 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)

## BACnet Interoperability Building Blocks supported

BIBBs			Support
Data Sharing	DS-RP-B	ReadProperty-B	✓
	DS-RPM-B	ReadPropertyMultipule-B	✓
	DS-WP-B	WriteProperty-B	✓
	DS-WPM-B	WritePropertyMultipule-B	✓
	DS-COV-B	COV-B	✓
Device & Network Management	DM-DDB-B	Dynamic Device Binding-B	✓
	DM-DOB-B	Dynamic Object Binding-B	✓
	DM-DCC-B	DeviceCommunicationControl-B	✓
	DM-PT-B	Private Transfer-B	✓
	DM-TS-B	TimeSynchronization-B	✓
	DM-UTC-B	UTCTimeSynchronization-B	✓

### Segmentation Capability

- Able to transmit segmented messages
- Able to receive segmented messages

Window Size \_\_\_\_\_

Window Size \_\_\_\_\_

## Standard Object Types Supported

### ■ Analog Input

Dynamically Creatable: No

Dynamically Deletable: No

Optional Properties Supported	Writable Properties
Reliability Min_Pres_Value Max_Pres_Value COV_Increment	Out_Of_Service (conditional) Present_Value (conditional)

Proprietary Properties: n/a

### ■ Analog Output

Dynamically Creatable: No

Dynamically Deletable: No

Optional Properties Supported	Writable Properties
Reliability Max_Pres_Value Min_Pres_Value COV_Increment	Present_Value Out_Of_Service (conditional)

Proprietary Properties: n/a

### ■ Analog Value

Dynamically Creatable: No

Dynamically Deletable: No

Optional Properties Supported	Writable Properties
Reliability COV_Increment	Present_Value (conditional)

Proprietary Properties: n/a

## ■ Binary Input

Dynamically Creatable: No

Dynamically Deletable: No

Optional Properties Supported	Writable Properties
Reliability	

Proprietary Properties: n/a

## ■ Binary Output

Dynamically Creatable: No

Dynamically Deletable: No

Optional Properties Supported	Writable Properties
Reliability	Present_Value Out_Of_Service (conditional)

Proprietary Properties: n/a

## ■ Binary Value

Dynamically Creatable: No

Dynamically Deletable: No

Optional Properties Supported	Writable Properties
Reliability	Present_Value (conditional)

Proprietary Properties: n/a

## ■ Device

Dynamically Creatable: No

Dynamically Deletable: No

Optional Properties Supported	Writable Properties
Local_Time Local_Date UTC_Offset Daylight_Saving_Status Max_Master Max_Info_Frames Active_COV_Subscriptions	Local_Time Local_Date UTC_Offset Daylight_Saving_Status

Proprietary Properties: n/a

## ■ Multi-state Output

Dynamically Creatable: No

Dynamically Deletable: No

Optional Properties Supported	Writable Properties
Reliability	Present_Value Out_Of_Service (conditional)

Proprietary Properties: n/a

## ■ Multi-state Value

Dynamically Creatable: No

Dynamically Deletable: No

Optional Properties Supported	Writable Properties
Reliability	Present_Value (conditional) Out_Of_Service (conditional)

Proprietary Properties: n/a

## Data Link Layer Options

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s) \_\_\_\_\_
- MS/TP master (Clause 9), baud rate(s): Auto(default),9600,19200,38400 and 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.)  Yes  No

## Networking Options

- 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

## Character Sets Supported

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

- |   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> ANSI X3.4 | <input type="checkbox"/> IBM™/Microsoft™ DBCS | <input type="checkbox"/> ISO 8859-1 |
| <input type="checkbox"/> ISO 10646 (UCS-2)    | <input type="checkbox"/> ISO 10646 (ICS-4)    | <input type="checkbox"/> JIS C 6226 |

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

Not Applicable