

# BACnet Protocol Implementation Conformance Statement

Date: 12/01/2013  
Vendor Name: Solidyne Corp.  
Product Name: M2-V  
Product Model Number: M2-Vxxx  
Applications Software Version: V05.10    Firmware Revision: 2013/12/01    BACnet Protocol Revision: 1

## Product Description:

The M2-V is a general purpose building automation controller for VAV and VVT systems with 3 temperature/resistive inputs, 2 0-10vdc analog inputs, 2 0-10vdc analog outputs with options for other I/O via it's plug-in modules

## 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.

- ANSI 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.**