

Protocol Implementation Conformance Statement (Normative)

BACnet Protocol Implementation Conformance Statement

**For the BAC-7003
BACnet VAV Controller**



BACnet Protocol Implementation Conformance Statement
(BACnet Testing Laboratories Version)

Date: 4/30/05

Vendor Name: KMC Controls

Product Name: BACnet VAV Controller

Product Model Number: BAC-7003

Applications Software Version: N/A

Firmware Revision: BAC57 R1.4.0.5

BACnet Protocol Revision: 135-2001 (1)

Product Description:

The BAC-7003 is a programmable direct digital controller with actuator that provides precise monitoring and control of connected points. The BAC-7003 provides 3 universal inputs and one additional input dedicated to an air flow sensor. The BAC-7003 provides 1 universal output that is configurable as an analog or binary (digital), 1 optically isolated Triac output, 1 normally open relay and one output dedicated to the actuator.

List all BACnet Interoperability Building Blocks supported (see Annex K in BACnet 2001):

AE-ACK-B, AE-ASUM-B, AE-INFO-B, AE-N-I-B, DM-DCC-B, DM-DDB-A, DM-DDB-B, DM-DOB-B, DM-RD-B, DM-TS-B, DS-RP-A, DS-RP-B, DS-RPM-B, DS-WP-A, DS-WP-B, DS-WPM-B, SCHED-I-B, T-VMT-I-B, T-ATR-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

BTL Product Testing and Listing Program Application Form

Standard Object Types Supported:

| OBJECT | CREATABLE | DELETABLE | OPTIONAL PROPERTIES |
|---------------|------------------|------------------|---|
| Analog Input | No | No | Acked_Transitions, Deadband, Description, Device_Type, Event_Enable, Event_Time_Stamp, High_Limit, Limit_Enable, Low_Limit, Notification_Class, Notify_Type and Time_Delay |
| Analog Output | No | No | Acked_Transitions, Deadband, Description, Device_Type, Event_Enable, Event_Time_Stamp, High_Limit, Limit_Enable, Low_Limit, Notification_Class, Notify_Type and Time_Delay |
| Analog value | No | No | Acked_Transitions, Deadband, Description, Event_Enable, Event_Time_Stamp, High_Limit, Limit_Enable, Low_Limit, Notification_Class, Notify_Type, Priority_Array, Relinquish_Default, and Time_Delay |
| Binary Input | No | No | Acked_Transitions, Active_Text, Alarm_Value, Description, Device_Type, Event_Enable, Event_Time_Stamp, Inactive_Text, Notification_Class, Notify_Type and Time_Delay |
| Binary Output | No | No | Acked_Transitions, Active_Text, Description, Device_Type, Event_Enable, Event_Time_Stamp, Feedback_Value, Inactive_Text, Notification_Class, Notify_Type and Time_Delay |
| Binary Value | No | No | Acked_Transitions, Active_Text, Alarm_Value, Description, Event_Enable, Event_Time_Stamp, Inactive_Text, Notification_Class, Notify_Type, Priority_Array, Relinquish_Default, and Time_Delay |
| Calendar | No | No | Description |
| Device | No | No | Description, Local_Date, Local_Time, Location Max_Master, Max_Info_Frames |
| File | No | No | Description |
| Loop | No | No | Acked_Transitions, Bias, Derivative_Constant, Derivative_Constant_Units, Description, Error_Limit, Event_Enable, Event_Time_Stamps, Integral_Constant, Integral_Constant_Units, Notification_Class, Notify_Type, Proportional_Constant, Proportional_Constant_Units, and Time_Delay |
| Notification | No | No | Description |
| Program | No | No | Description, Description_Of_Halt, Program_Location, Reason_For_Halt |
| Schedule | No | No | Description, Exception_Schedule, Weekly_Schedule |
| Trend | No | No | Acked_Transitions, Description, Event_Enable, Event_Time_Stamps, Last_Notify_Record, Log_DeviceObjectProperty, Log_Interval, Notification_Class, Notification_Threshold, Notify_Type, Records_Since_Notification, Start_Time, and Stop_Time |

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:
