Protocol Implementation Conformance Statement (Normative)

BACnet Protocol Implementation Conformance Statement

For the BAC-7051
BACnet VAV Controller

907-019-52D

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-7051
Applications Software Version: N/A   **Firmware Revision:** BAC57 R1.4.0.5
BACnet Protocol Revision: 135-2001 (1)

Product Description:
The BAC-7051 is a programmable direct digital controller with actuator that provides precise monitoring and control of connected points. The BAC-7051 provides 3 universal inputs and 3 universal outputs configurable as analog or binary (digital)). One additional input is dedicated to an air flow sensor and one additional output is 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

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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:

_____
_____
_____
_____
_____
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