

BACnet Protocol Implementation Conformance Statement

Date: Jun. 4, 2007

Vendor Name: DAIKIN INDUSTRIES, Ltd.

Product Name3	Model Number	Software Version	Firmware Version	BACnet Protocol Revision
Interface for use in BACnet®	DMS502B51, DMS502B71	6.20	000.001	4
MASTER STATION	DMS502B1	6.20	000.001	4

Product Description:

This product provides the function of monitoring and operating the air-conditioner. The supported Data Link Layer Options are BACnet/IP.

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)

BACnet Interoperability Building Blocks Supported (Annex K):

	Supported BIBBs	BIBB Name	Supported	
			Standard support	Optional support
Data Sharing	DS-RP-B	Data Sharing-ReadProperty-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DS-RPM-B	Data Sharing-ReadPropertyMultiple-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DS-WP-B	Data Sharing-WriteProperty-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DS-WPM-B	Data Sharing-WritePropertyMultiple-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DS-COV-B	Data Sharing-COV-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DS-COVU-B	Data Sharing-COV-Unsolicited-B	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alarm and Event Management	AE-N-I-B	Alarm and Event-Notification Internal-B	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Device Management	DM-DDB-A	Device Management-Dynamic Device Binding-A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DM-DDB-B	Device Management-Dynamic Device Binding-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DM-DOB-B	Device Management-Dynamic Object Binding-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DM-DCC-B	Device Management-DeviceCommunicationControl-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DM-TS-B	Device Management-Time Synchronization-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DM-UTC-B	Device Management-UTCTimeSynchronization-B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DM-LM-B	Device Management-List Manipulation-B	<input type="checkbox"/>	<input checked="" type="checkbox"/>

In a default setting, DS-COVU-B, AE-N-I-B and DM-LM-B are invalid. They become valid after setting by a setup tool for a service man.

Standard Object Types Supported:**(1) Accumulator**

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability
Writable Properties:	n/a
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

(2) Analog Input**a) Room Temperature**

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability, COV_Increment, (Time_Delay, Notification_Class, High_Limit, Low_Limit, Deadband , Limit_Enable, Event_Enable, Acked_Transitions, Notify_Type, Event_Time_Stamps) These properties are supported when intrinsic reporting is valid.
Writable Properties:	(High_Limit, Low_Limit, Deadband , Limit_Enable) These properties are supported when intrinsic reporting is valid.
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

b) Others

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability, COV_Increment,
Writable Properties:	n/a
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

(3) Analog Value

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability, Priority_Array, Relinquish_Default, COV_Increment
Writable Properties:	Present_Value
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

(4) Binary Input**a) Alarm Sign, Filter Limit Sign**

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability, Description (Only Alarm Sign supports), (Time_Delay, Notification_Class, Alarm_Value, Event_Enable, Acked_Transitions, Notify_Type, Event_Time_Stamps) These properties are supported when intrinsic reporting is valid.
Writable Properties:	n/a
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

b) ON/OFF (Status)

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability, Change_Of_State_Time, Change_Of_State_Count, Time_Of_State_Count_Reset, Elapsed_Active_Time, Time_Of_Active_Time_Reset
Writable Properties:	n/a
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

c) Others

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability
Writable Properties:	n/a
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

(5) Binary Output

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability,
Writable Properties:	Present_Value
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

(6) Binary Value**a) Filter Limit Sign Reset**

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability, Priority_Array, Relinquish_Default, (Time_Delay, Notification_Class, Alarm_Value, Event_Enable, Acked_Transitions, Notify_Type, Event_Time_Stamps) These properties are supported when intrinsic reporting is valid.
Writable Properties:	Present_Value
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

b) Others

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability, Priority_Array, Relinquish_Default,
Writable Properties:	Present_Value
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

(7) Device

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Max_Segment_Accepted, Local_Time, Local_Date, UTC_Offset, Daylight_Saving_Status, APDU_Segment_Timeout, Active_COV_Subscriptions
Writable Properties:	n/a
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

(8) Multi-state Input

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability, Description (Only Error Code supports.)
Writable Properties:	n/a
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

(9) Multi-state Output

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Reliability
Writable Properties:	Present_Value
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

(10) Notification Class

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	n/a
Writable Properties:	Recipient_List
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

Notification Class Object exists when intrinsic reporting is valid.

In a default setting, this object is invalid.

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, RS-485 ARCNET (Clause 8), baud rate(s) _____
- MS/TP master (Clause 9), baud rate(s): _____
- 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, 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:

Not applicable.