

BACnet[®] Protocol Implementation Conformance Statement

Date: 5/25/2017

Vendor Name: Hubbell Control Solutions

Product Name: PowerHUBB[™] BACnet Service

Product Model Number: S-1-BAA

Application Software Version: 1.0.0

BACnet Protocol Revision: 1 (Ver. 1, Rev. 12)

Product Description:

The PowerHUBB BACnet Service provides a BACnet/IP interface between a Building Automation System and the PowerHUBB Gateway Software Application Program Interface (API). The PowerHUBB BACnet Service exposes multiple BACnet device objects that represent Spaces within the PowerHUBB Gateway Software. The BACnet device objects represent status information and perform actions through the PowerHUBB Gateway Software API. When interfacing with Spaces through the PowerHUBB BACnet Service, the BACnet Building Automation system can retrieve on/off, occupancy, current dimming level, and temperature status, in addition to setting the desired on/off state and dimming levels.

BACnet Standardized Device Profile (Annex L):

BACnet Application Specific Controller (B-ASC)

Supported BIBBs

Supported BIBBS	BIBB Name
DM-DCC-B	Device Management-DeviceCommunicationControl-B
DM-DDB-B	DynamicDeviceBinding-B
DM-DOB-B	DynamicObjectBinding-B
DS-RP-B	Data Sharing-ReadProperty-B
DS-RPM-B	Data Sharing-ReadPropertyMultiple-B
DS-WP-B	Data Sharing-WriteProperty-B
DS-WPM-B	Data Sharing-WritePropertyMultiple-B

Segmentation Capability:

Segmented requests supported? Yes Window Size: Configurable

Segmented responses supported? Yes Window Size Configurable

Object Type	Description	Creatable	Deletable
Device	PowerHUBB Space	No	No
Analog Input	Space temperature	No	No
Analog Output	Space dimming level command	No	No
Binary Input	Space occupancy status	No	No
Binary Output	Space lighting on/off command	No	No

Data Link Layer Options

- BACnet IP, (Annex J) – Can communicate as a Direct BACnet/IP device.
- BACnet IP, (Annex J), Foreign Device – Can register as a Foreign BACnet/IP device

Device Address Binding

Is static device binding supported? 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
 - Does the BBMD support network address translation? Yes No

Networking Security Options

- Non-secure Device – The device can operate without BACnet Network Security

Character Sets Supported

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

- ISO 10646 (UTF-8)
- IBM™/Microsoft™ DBCS
- ISO 8859-1