BACnet Protocol Implementation Conformance Statement

Product

Date:	02/22/2019	Vendor Name:	Magnum Innovations
Product Name:	Window/Door Sensor	Application Software V.:	n/a
Product Model Number:	Mx-EDSW	Firmware Revision:	x.x.x.x
Product Description:	Window/Door Sensor	BACnet Protocol Revision:	n/a

Vendor Information

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Product Description

The Mx-**EDSW** is a wireless, self powered window/door sensor.

BACnet Standardized Device Profile (Annex L):

☐ BACnet Operator Workstation (B-OWS)	☐ BACnet Advanced Application Controller (B-AAC)
☐ BACnet Advanced Operator Workstation (B-AWS)	☐ BACnet Application Specific Controller (B-ASC)
☐ BACnet Operator Display (B-OD)	☒ BACnet Smart Sensor (B-SS)
☐ BACnet Building Controller (B-BC)	☐ BACnet Smart Actuator (B-SA)

BACnet Interoperability Building Blocks Supported (Annex K):

DS-RP-B	Data Sharing, Read Property B
DS-RPM-B	Data Sharing, Read Property Multiple B
DS-WP-B	Data Sharing, Write Property B
DS-WPM-B	Data Sharing, Write Property Multiple B
DS-COV-B	Data Sharing, COV B
DS-COVP-B	Data Sharing, COVP N

Segmentation Capability:

☒ Able to transmit segmented messages	Window Size: 1515 bytes
☒ Able to receive segmented messages	Window Size: 1515 bytes

Standard Object Types Supported (D5-00-01):

Object	Optional Properties Supported	Writeable Properties	Property Range Restrictions
Binary Input Contact	Inactive Text Active Text Change State Time Change State Count Time State Count Reset	None	Open Closed
Analog Output {HeartBeat}	Description	Present Value	0 – 1000
Analog Input {RSSI}	Description	none	0 – 255
Binary Input {Signal}	Description Inactive Text Active Text Change State Time Change State Count Time State Count Reset	none	Invalid, Valid
MultiStateInput {Manufacturer}	Description	none	EnOcean Manufacturer List

Data Link Layer Options:

☐ BACnet IP, (Annex J)	☐ MS/TP slave (Clause 9)
☐ BACnet IP, (Annex J), Foreign Device	☐ Point-To-Point, EIA 232 (Clause 10)
☐ ISO 8802-3, Ethernet (Clause 7)	☐ Point-To-Point, modem
☐ ATA 878.1, 2.5 Mb. ARCNET (Clause 8)	☐ LonTalk, (Clause 11)
☐ ATA 878.1, EIA-485 ARCNET (Clause 8)	☐ BACnet/ZigBee (ANNEX O)
☐ MS/TP master (Clause 9)	☒ Other: EnOcean wireless

Device Address Binding:

☐ 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

Network Security Options:

☐ Non-secure Device - is capable of operating without BACnet Network Security
☐ Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)
☐ Multiple Application-Specific Keys:
☐ Supports encryption (NS-ED BIBB)
☐ Key Server (NS-KS BIBB)

Character Sets Supported:

☒ ISO 10646 (UTF-8)	☐ IBM™/Microsoft™ DBCS	☐ ISO 8859-1
☐ ISO 10646 (UCS-2)	☐ ISO 10646 (UCS-4)	☐ JIS X 0208