

BACnet Protocol Implementation Conformance Statement

Product

Date:	11/17/2016	Vendor Name:	Magnum Energy Solutions
Product Name:	Rocker Switch	Application Software V.:	n/a
Product Model Number:	Mx-(A)SW_ES(D)RP_EKCS	Firmware Revision:	x.x.x.x
Product Description:	Rocker Switch	BACnet Protocol Revision:	n/a

Vendor Information

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Product Description

The light switch is a battery-free wireless transmitter that communicates with a wide variety of receivers. Multiple color / finish options available.
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BACnet Standardized Device Profile (Annex L):

<input type="checkbox"/> BACnet Operator Workstation (B-OWS)	<input type="checkbox"/> BACnet Advanced Application Controller (B-AAC)
<input type="checkbox"/> BACnet Advanced Operator Workstation (B-AWS)	<input type="checkbox"/> BACnet Application Specific Controller (B-ASC)
<input type="checkbox"/> BACnet Operator Display (B-OD)	<input checked="" type="checkbox"/> BACnet Smart Sensor (B-SS)
<input type="checkbox"/> BACnet Building Controller (B-BC)	<input type="checkbox"/> 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:

<input checked="" type="checkbox"/> Able to transmit segmented messages	Window Size: 1515 bytes
<input checked="" type="checkbox"/> Able to receive segmented messages	Window Size: 1515 bytes

Standard Object Types Supported Input (F6-02-01):

Object	Optional Properties Supported	Writeable Properties	Property Range Restrictions
Analog Input Rocker Switch	Description Reliability	None	0 – 255
Binary Input Rocker1	Description Inactive Text Active Text Reliability	None	Off, On
Binary Input Rocker2	Description Inactive Text Active Text Reliability	None	Off, On
Binary Input EnergyBow	Description Inactive Text Active Text Reliability	None	Released, Pressed
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

Standard Object Types Supported Output (F6-02-01):

Object	Optional Properties Supported	Writeable Properties	Property Range Restrictions
Analog Output Rocker Switch	Description Reliability	Present Value	0 – 255
Binary Output Rocker1	Description Inactive Text Active Text Reliability	Present Value	Off, On
Binary Output Rocker2	Description Inactive Text Active Text Reliability	Present Value	Off, On

Data Link Layer Options:

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

Device Address Binding:

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Networking Options:

<input type="checkbox"/> Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.	
<input type="checkbox"/> Annex H, BACnet Tunneling Router over IP	
<input type="checkbox"/> BACnet/IP Broadcast Management Device (BBMD)	
Does the BBMD support registrations by Foreign Devices?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does the BBMD support network address translation?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Network Security Options:

<input type="checkbox"/> Non-secure Device - is capable of operating without BACnet Network Security
<input type="checkbox"/> Secure Device - is capable of using BACnet Network Security (NS-SD BIBB) <ul style="list-style-type: none"> <input type="checkbox"/> Multiple Application-Specific Keys: <input type="checkbox"/> Supports encryption (NS-ED BIBB) <input type="checkbox"/> Key Server (NS-KS BIBB)

Character Sets Supported:

<input checked="" type="checkbox"/> ISO 10646 (UTF-8)	<input type="checkbox"/> IBM™/Microsoft™ DBCS	<input type="checkbox"/> ISO 8859-1
<input type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS X 0208