BACnet Protocol Implementation Conformance Statement

Date: March 24, 2010
Vendor Name: Lithonia Lighting
Product Name: SwitchPak MSTP
Product Model Number: SPAK 8S 120/277 BAS
Applications Software Version: _____ **Firmware Revision:** 2.02 **BACnet Protocol Revision:** 1.5___

Product Description:
The SwitchPak™ lighting control panel combines simplicity with flexibility. SwitchPak includes time-based control for ON/OFF scheduling and low-voltage control for lighting loads in a compact and economical package. It features a custom designed user interface with soft keys, LED status indicators for schedules, inputs and outputs, and an easy-to-read illuminated LCD display. The ReadyHelp™ feature automatically guides the user through a series of simple set-up steps.

The BACnet standard MS/TP interface provides an expanded, economical lighting control solution that allows the panel to be shared building-wide.

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)

List all BACnet Interoperability Building Blocks Supported (Annex K): DS-RP-B, DS-WP-B, DM-DDB-B, DM-TS-B, DM-UTC-B, DM-RD-B, DM-DCC-B

Segmentation Capability:

☐ Segmented requests supported   Window Size ___
☐ Segmented responses supported   Window Size ___

Standard Object Types Supported:

Analog Input Object Type

    1. Dynamically creatable using BACnet's CreateObject service?   No

    2. Dynamically deletable using BACnet's DeleteObject service?   No

    3. List of optional properties supported:

Description

    4. List of all properties that are writable where not otherwise required by this standard

    5. List of proprietary properties:

Property Identifier	Property Data Type	Meaning

    6. List of any property value range restrictions:

Property Identifier	Restrictions
Present Value	0.0 – 100.0, resolution of 1.0.

Analog Output Object Type

    1. Dynamically creatable using BACnet's CreateObject service?   No

    2. Dynamically deletable using BACnet's DeleteObject service?   No

    3. List of optional properties supported:

Description, 9900 (Blink_Warn_Time), and Min_Pres_Value.

    4. List of all properties that are writable where not otherwise required by this standard

Min_Pres_Value and 9900 (Blink_Warn_Time.)

    5. List of proprietary properties:

Property Identifier	Property Data Type	Meaning
9900	Unsigned	Relay blink-warn time in minutes

    6. List of any property value range restrictions:

Property Identifier	Restrictions
Min_Pres_Value	0.0 – 99.0, resolution of 1.0.
9900 (Blink_Warn_Time)	0 – 99 minutes. 0=DISABLED (no blink-warn) 1-99=Time in minutes before scheduled off-time to blink ACTIVE relays.
Present Value	0.0 – 100.0, resolution of 1.0, 131.0=BLINK, 255.0 = NULL, and 256.0=BLINK.

Binary Input Object Type

1. Dynamically creatable using BACnet's CreateObject service?   No

2. Dynamically deletable using BACnet's DeleteObject service?   No

3. List of optional properties supported:

Description, Device_Type.

4. List of all properties that are writable where not otherwise required by this standard

Present_Value (excludes priority 6; NULL data type is not supported.)

5. List of proprietary properties:

Property Identifier	Property Data Type	Meaning

6. List of any property value range restrictions:

Property Identifier	Restrictions

Binary Output Object Type

1. Dynamically creatable using BACnet's CreateObject service?   No

2. Dynamically deletable using BACnet's DeleteObject service?   No

3. List of optional properties supported:

Description, Device_Type, and 9900 (Blink_Warn_Time.)

4. List of all properties that are writable where not otherwise required by this standard

9900 (Blink_Warn_Time)

5. List of proprietary properties:

Property Identifier	Property Data Type	Meaning
9900 (Blink_Warn_Time)	Unsigned	Relay blink-warn time in minutes

6. List of any property value range restrictions:

Property Identifier	Restrictions
9900 (Blink_Warn_Time)	0 – 99 minutes. 0=DISABLED (no blink-warn) 1-99=Time in minutes before scheduled off-time to blink ACTIVE relays.

Device Object Type

1. Dynamically creatable using BACnet's CreateObject service?   No

2. Dynamically deletable using BACnet's DeleteObject service?   No

3. List of optional properties supported:

9600, 9700, 9800, 9999, Location, Description, Local_Time, Local_Date, UTC_Offset, Daylight_Savings_Status, Max_Master, and Max_Info_Frames.

4. List of all properties that are writable where not otherwise required by this standard

9600, 9700, 9800, 9999, Max_Master, Max_Info_Frames, Object_Identifier, and Object_Name.

5. List of proprietary properties:

Property Identifier	Property Data Type	Meaning
9600	Unsigned	MS/TP Baud Rate
9700	Unsigned	number of schedules
9800	Unsigned	location code (geographic)
9999	Unsigned	my MS/TP address

6. List of any property value range restrictions:

Property Identifier	Restrictions
9600	9600, 19200, or 38400
9700	read range: 0-100; write NULL data type or UNSIGNED zero (0) only
9800	0-448
9999	0-127
Max_Info_Frames	1-255
Max_Master	0-127

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): <u>9600, 19200, 38400</u>
☐ 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): _____
☐ Lon Talk, (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:
<u>N/A</u>