



## **BACnet Protocol Implementation Conformance Statement**

**Date:** July 10th, 2012  
**Vendor Name:** Douglas Lighting Controls  
**Product Name:** MSTP-RS485 BACnet Interface for WRS-2224 Scanner  
**Product Model Number:** WBI-2671  
**Application Software Version:** 1.0.2    **Firmware Revision:** 1.0.2    **BACnet Protocol Revision:** 9

### **Product Description:**

This product allows controlling the lighting scanner WRS-2224 outputs and getting their status from a BACnet network.

### **BACnet Standardized Device Profile (Annex L):**

- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

### **BACnet Interoperability Building Blocks Supported (Annex K):**

- K.1.2 BIBB – Data Sharing – Read Property-B (DS-RP-B)
- K.1.8 BIBB – Data Sharing – Write Property-B (DS-WP-B)
- K.5.2 BIBB – Device Management – Dynamic Device Binding-B (DM-DDB-B)
- K.5.4 BIBB – Device Management – Dynamic Object Binding-B (DM-DOB-B)
- K.5.6 BIBB – Device Management – Dynamic Communication Control-B (DM-DCC-B)
- K.5.16 BIBB – Device Management – Reinitialize Device-B (DM-RD-B)

### **Segmentation Capability:**

None

### Standard Object Types Supported:

#### Device Object

Dynamically Creatable: No  
Dynamically Deletable: No  
Supported Properties: All Required

Optional Properties: Location  
Description

Writable Properties: Object\_Identifier  
Object\_Name Limit: 25 characters  
Max\_Master Range: 1 to 127  
Max\_Info\_Frames Range: 1 to 10

#### Binary Input

Dynamically Creatable: No  
Dynamically Deletable: No  
Supported Properties: All Required

Optional Properties: Description  
Inactive\_Text  
Active\_Text

Writable Properties: Out\_Of\_Service  
Present\_Value if Out\_Of\_Service = True

#### Binary Value

Dynamically Creatable: No  
Dynamically Deletable: No  
Supported Properties: All Required

Optional Properties: Description  
Inactive\_Text  
Active\_Text

Writable Properties: Out\_Of\_Service  
Present\_Value

#### Multi State Input

Dynamically Creatable: No  
Dynamically Deletable: No  
Supported Properties: All Required

Optional Properties: Description

Writable Properties: Out\_Of\_Service  
Present\_Value if Out\_Of\_Service = True

#### Multi State Value

Dynamically Creatable: No  
Dynamically Deletable: No  
Supported Properties: All Required

Optional Properties: Description

Writable Properties: Out\_Of\_Service  
Present\_Value

**For each standard Object Type supported the following apply:**

- 1) Does not support CreateObject
- 2) Does not support DeleteObject
- 3) Does support optional properties
- 4) Additional writeable properties exist
- 5) No proprietary properties exist
- 6) Range restrictions exist

**Data Link Layer Options:**

MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 76800

**Device Address Binding:**

Not supported

**Character Sets Supported:**

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

- |   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> ANSI X3.4 | <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 |