

## **EXL Digital Display Controller BACnet Protocol Implementation Conformance Statement**

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**Date:** January 13, 2011  
**Vendor Name:** ExactLogic  
**Product Name:** EXL Digital Display Controller  
**Product Model Number:** EXL016XX and EXL017XX  
**Applications Software Version:** EXL Loader V1.10.00  
**Firmware Revision:** NA  
**BACnet Protocol Revision:** 4

### **Product Description:**

This BACnet controller executes a custom sequence of operation that is downloaded into the controller. Setpoints are adjustable from the BACnet interface. A space temperature sensor is built into the controller. The backlit digital display indicates the current operating mode, fan speed and outside air temperature or other user definable data.

### **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)

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

DS-RP-B	DM-DDB-B	DM-RD-B
DS-RPM-B	DM-DOB-B	DM-BR-B
DS-WP-B	DM-DCC-B	
DS-WPM-B	DM-TS-B	

### **Segmentation Capability:**

Segmented requests not supported  
Segmented responses not supported

## Standard Object Types Supported:

### Analog Input

Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	NA	
Proprietary Properties:	NA	
Property Range Restrictions:	Description	Size: 20 displayable characters

### Analog Output

Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	
Proprietary Properties:	NA	
Property Range Restrictions:	Description	Size: 20 displayable characters

### Analog Value

Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	
Proprietary Properties:	NA	
Property Range Restrictions:	Description	Size: 20 displayable characters

### Binary Input

Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	NA	
Proprietary Properties:	NA	
Property Range Restrictions:	Description	Size: 20 displayable characters

### Binary Output

Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	
Proprietary Properties:	NA	
Property Range Restrictions:	Description	Size: 20 displayable characters

**Binary Value**

Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	
Proprietary Properties:	NA	
Property Range Restrictions:	Description	Size: 20 displayable characters

**Device**

Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
	Location	
	Local_Date	
	Local_Time	
	UTC_Offset	
	Daylight_Savings_Status	
	Max_Master	
	Max_Info_Frames	
	Last_Restore_Time	
	Backup_Failure_Timeout	
	Configuration_Files	
Writable Properties:	Object_Name	
	Description	
	Location	
	UTC_Offset	
	Daylight_Savings_Status	
	Backup_Failure_Timeout	
Proprietary Properties:	NA	
Property Range Restrictions:	Object_Name	Size: 20 displayable characters
	Description	Size: 20 displayable characters
	Location	Size: 20 displayable characters

**File**

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Description
Writable Properties:	Archive
Proprietary Properties:	NA
Property Range Restrictions:	NA

**Program**

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Description
Writable Properties:	Program_Change
Proprietary Properties:	NA
Property Range Restrictions:	NA

**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): 76.8k, 38.4k, 19.2k, 9600 bps
- 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):
- LonTalk, (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  Not applicable

**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)

**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:**

NA

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