Exact Logic

EXL Digital Display Controller
BACnet Protocol Implementation Conformance Statement

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 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

BACnet Performance Products
Exact Logic

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