Hysine Programmable Logic Controller
BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

Date: Feb 28, 2017
Vendor Name: Hysine
Product Name: BCU/BLC Series Programmable Logic Controller
Product Model Number: BCU-941,BCU-630,BCU-940,BCU-860,BCU-843,BCU-1644,BCU-1600,BCU16160,BCU-1666,BLC-1040,BLC-1043,BLC-1650,BLC-1656,BLC-621,BLC-310,BLC-M2,BLC-M2E, ,BVC-442,BVC-442-P,BCX-H416,BCX-H616,BCX-H816, BCX-1016,BCX-1216,BCX-H816M2,BCX-E466,BCX-E1043,MGP-1102B,MGP-1103B,MGP-1104B,MGP-1105B,MGP-1106B

Application Software Version: M128 V4.00A
Firmware Revision: BACNet Controller Firmware 2.0

Product Description

The Hysine BCU/BLC controllers are high performance programmable logic controllers designed for control of HVAC and industrial equipment. The various BCU/BLC models feature different mixes of analog and binary inputs and outputs. These controllers operate either as a stand-alone controller or as part of a site-wide system on a BACnet MS/TP LAN. All communication is via BACnet standard protocols.

BACnet Standardized Device Profile (Annex L):

☐BACnet Advanced Workstation (B-AWS)
☐BACnet Operator Workstation (B-OWS)
☐BACnet Operator Display(B-OD)
☐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
DS-RPM-B	DM-DOB-B
DS-WP-B	DM-DCC-B
	DM-TS-B
	DM-UTC-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:	No	
Proprietary Properties:	n/a	

Analog Output
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	Range: Real
Proprietary Properties:	n/a	

Analog Value
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	Range: Real
Proprietary Properties:	n/a	

Binary Input
Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Description
Writable Properties:	No
Proprietary Properties:	No

Binary Output
Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Description
Writable Properties:	Present_Value
Proprietary Properties:	n/a

Binary Value
Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Description
Writable Properties:	Present_Value
Proprietary Properties:	n/a

Device
    Dynamically Creatable: No
    Dynamically Deletable: No
    Optional Properties Supported: Description
                                Local_Time
                                Local_Date
                                Daylight_Savings_Status
                                UTC_Offset
                                Max_Master
                                Max_Info_Frames
    Writable Properties: UTC_Offset   Range:-780 …780
                                Daylight_Savings_Status
                                Number_of_Apdu_Retries
                                Apdu_Timeout

    Proprietary Properties: n/a

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), coax
☐ 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

Networking Options:

☐ Router, Clause 6, routing configurations:
☐ 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[TM]/Microsoft[TM] DBCS ☐ ISO 8859-1
☐ ISO 10646 (UCS-2) ☐ ISO 10646 (ICS-4)   ☐ JIS C 6226

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports:

    Not a gateway _____
    _____
    _____