

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™/Microsoft™ 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
