BACnet Protocol Implementation Conformance Statement

Date of conformance:	02/05/2025
Vendor name:	Schneider Electric
Vendor ID:	10
Product name:	PowerLogic™ ION product family
Product model numbers:	ION9000, PM8000, ION7400
Application software version:	1.0
Firmware revision:	4.6.0
BACnet protocol revision:	16

Product description

PowerLogic advanced energy and power quality meters support your energy management, power management, and cost management applications within the EcoStruxure™ Power architecture.

The meters offer ION programming, which allows you to customize features and add functionality. You can add functionality to the meters by building ION frameworks. You can also add option modules and incorporate mounting accessories into the installation to suit many applications.

Standardized device profiles

Controller profile options	Supported
BACnet Building Controller (B-BC)	N
BACnet Advanced Application Controller (B-AAC)	N
BACnet Application Specific Controller (B-ASC)	N
BACnet Smart Actuator (B-SA)	N
BACnet Smart Sensor (B-SS)	Y

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BACnet Interoperability Building Blocks (BIBBs)

Type	Supported BIBBs	Shorthand
Data sharing	Data Sharing-ReadProperty-B	DS-RP-B
Device management	Device Management-Dynamic Device Binding-B	DM-DDB-B
	Device Management-Dynamic Object Binding-B	DM-DOB-B
Network management	Network Management-Foreign Device Registration-A	NM-FDR-A

Segmentation capability

Segmentation	Supported	Window size
Able to transmit segmented messages	N	–
Able to receive segmented messages	N	–

Standard object types supported

NOTE:

- No dynamic object creation or deletion supported.
- All properties are read-only.

Object type	Required properties	Optional properties
Device	Object_Identifier Object_Name Object_Type System_Status Vendor_Name Vendor_Identifier Model_Name Firmware_Revision Application_Software_Version Protocol_Version Protocol_Revision Protocol_Services_Supported Protocol_Object_Types_Supported Object_List Max_APDU_Length_Accepted Segmentation_Supported APDU_Timeout Number_Of_APDU_Retries Device_Address_Binding Database_Revision Property_List	Profile_Name

Object type	Required properties	Optional properties
Analog Input	Object_Identifier Object_Name Object_Type Present_Value Status_Flags Event_State Units Property_List Out_Of_Service	

Data link layer

Data link layer options	Supported
BACnet/IP, (Annex J), able to register as a foreign device	Y
BACnet/IP, (Annex J), BACnet Broadcast Management Device (BBMD)	N
BACnet/IP, (Annex J), Network Address Translation (NAT Traversal)	N

Device address binding

Device address binding	Supported
Static device binding	N

Character sets

Character set	Supported
ISO 10646 (UTF-8)	Y
IBM™/Microsoft™ DBCS	N
ISO 8859-1	N
ISO 10646 (UCS-2)	N
ISO 10646 (UCS-4)	N
JIS X 0208	N