SIEMENS

Desigo PXC3 and DXR2 Automation Stations BACnet Protocol Implementation Conformance Statement (PICS)
Basic documentation

Desigo PXC3 and DXR2 Automation Stations

Date	January 2018
Vendor name	: Siemens Building Technologies (Vendor ID 7)
Product name	: Desigo PXC3 and DXR2 Automation Stations
Product model number	: PXC3 and DXR2
BACnet protocol version	: 1:13
Application software version	: various
Firmware revision	For DXR2. products: FW=01.21.31.110;WPC=1.4.130;SVS-300.1:SBC=13.21; For PXC3. products: FW=01.21.31.131;WPC=1.4.130;SVS-300.1:SBC=13.21;

Product model number

The Desigo PXC3 and DXR2 Automation stations use the same PICS statement for all products listed:

Model	Description	Comm. Type	
DXR2.E09	Modular automation station	IP	
DXR2.E09T	Modular automation station	IP	
DXR2.E10	Modular automation station	IP	
DXR2.E12P	Modular automation station	IP	
DXR2.E12PX	Modular automation station	IP	
DXR2.E18	Modular automation station	IP	
DXR2.E17C	Modular automation station	IP	
DXR2.E17CX	Modular automation station	IP	
DXR2.M09	Modular automation station		MSTP
DXR2.M09T	Modular automation station		MSTP
DXR2.M10	Modular automation station		MSTP
DXR2.M11	Modular automation station		MSTP
DXR2.M12P	Modular automation station		MSTP
DXR2.M12PX	Modular automation station		MSTP
DXR2.M18	Modular automation station		MSTP
PXC3.E16A-100A	Modular automation station	IP	
PXC3.E72-100A	Modular automation station	IP	
PXC3.E72A-100A	Modular automation station	IP	
PXC3.E75-100A	Modular automation station	IP	
PXC3.E75A-100A	Modular automation station	IP	

Product description

The Desigo PXC3 and DXR2 controllers are freely configurable process units. These BACnet devices can be used in stand-alone or networked configurations.

BACnet standardized device profile (Annex L)

The Desigo PXC3 and DXR2 automation stations make up a range of products based on a common software and hardware platform. This PICS statement applies to all of the products listed, with minor differences related to physical hardware (for example, Ethernet vs. MSTP and different physical terminations).

☐	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)

Data sharing			
	☒	Data Sharing – Read Property-A	DS-RP-A
	☒	Data Sharing – Read Property-B	DS-RP-B
	☒	Data Sharing – Read Property Multiple-A	DS-RPM-A
	☒	Data Sharing – Read Property Multiple-B	DS-RPM-B
	☒	Data Sharing – Write Property-A	DS-WP-A
	☒	Data Sharing – Write Property-B	DS-WP-B
	☒	Data Sharing – Write Property Multiple-A	DS-WPM-A
	☒	Data Sharing – Write Property Multiple-B	DS-WPM-B
	☒	Data Sharing – Change of Value -A	DS-COV-A
	☒	Data Sharing – Change of Value -B	DS-COV-B
	☒	Data Sharing – Change of Value Property -A	DS-COVP-A
	☒	Data Sharing – Change of Value Property -B	DS-COVP-B
	☐	Data Sharing – Change of Value-Unsolicited-A	DS-COVU-A
	☐	Data Sharing – Change of Value-Unsolicited-B	DS-COVU-B
	☐	Data Sharing – View-A	DS-V-A
	☐	Data Sharing – Advanced View-A	DS-AV-A
	☐	Data Sharing – Modify-A	DS-M-A
	☐	Data Sharing – Advanced Modify-A	DS-AM-A

Alarm and event management			
	☐	Alarm and Event – Notification-A	AE-N-A
	☒	Alarm and Event – Notification Internal-B	AE-N-I-B
	☐	Alarm and Event – Notification External-B	AE-N-E-B
	☐	Alarm and Event – ACK-A	AE-ACK-A
	☒	Alarm and Event – ACK-B	AE-ACK-B

☒	Alarm and Event – Alarm Summary-B	AE-ASUM-B
☒	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
☒	Alarm and Event – Information-B	AE-INFO-B
☐	Alarm and Event – Life Safety-A	AE-LS-A
☐	Alarm and Event – Life Safety-B	AE-LS-B
☐	Alarm and Event – View Notifications-A	AE-VN-A
☐	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
☐	Alarm and Event – View and Modify-A	AE-VM-A
☐	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
☐	Alarm and Event – Alarm Summary View-A	AE-AS-A
☐	Alarm and Event – Event Log View-A	AE-ELV-A
☐	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
☒	Alarm and Event – Event Log Internal-B	AE-EL-I-B
☐	Alarm and Event – Event Log External-B	AE-EL-E-B

Historical/Deprecated BIBBs

☐	Alarm and Event – Alarm Summary-A	AE-ASUM-A
☐	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
☐	Alarm and Event – Information-A	AE-INFO-A

Scheduling

☒	Scheduling – Internal-B	SCHED-I-B
☐	Scheduling – External-B	SCHED-E-B
☐	Scheduling – Advanced View Modify-A	SCHED-AVM-A
☐	Scheduling – View Modify-A	SCHED-VM-A
☐	Scheduling – Weekly Schedule-A	SCHED-WS-A
☐	Scheduling – Weekly Schedule Internal-B	SCHED-WS-I-B
☐	Scheduling – Readable-B	SCHED-R-B

Historical/Deprecated BIBBs

☐	Scheduling – A	SCHED-A

Trending

☐	Trending – Viewing and Modifying Trends-A	T-VMT-A
☒	Trending – Viewing and Modifying Internal-B	T-VMT-I-B
☐	Trending – Viewing and Modifying External-B	T-VMT-E-B
☐	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A
☐	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
☐	Trending – Viewing and Modifying Multiple Values External -B	T-VMMV-E-B
☐	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
☐	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
☐	Trending – View-A	T-V-A
☐	Trending – Advanced View and Modify-A	T-AVM-A
☐	Trending – Archival-A	T-A-A
☐	Trending – Automated Trend Retrieval-A	T-ATR-A
☒	Trending – Automated Trend Retrieval-B	T-ATR-B

Historical/Deprecated BIBBs

☐	Trending – Viewing and Modifying Trends-A	T-VMT-A
☐	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A

Device management

☒	Device Management – Dynamic Device Binding-A	DM-DDB-A
☒	Device Management – Dynamic Device Binding-B	DM-DDB-B
☐	Device Management – Dynamic Object Binding-A	DM-DOB-A
☒	Device Management – Dynamic Object Binding-B	DM-DOB-B
☐	Device Management – Device Communication Control-A	DM-DCC-A
☒	Device Management – Device Communication Control-B	DM-DCC-B
☐	Device Management – Private Transfer-A	DM-PT-A
☐	Device Management – Private Transfer-B	DM-PT-B
☐	Device Management – Text Message-A	DM-TM-A
☐	Device Management – Text Message-B	DM-TM-B
☐	Device Management – Time Synchronization-A	DM-TS-A
☒	Device Management – Time Synchronization-B	DM-TS-B
☐	Device Management – UTC Time Synchronization-A	DM-UTC-A
☒	Device Management – UTC Time Synchronization-B	DM-UTC-B
☐	Device Management – Reinitialize Device-A	DM-RD-A
☒	Device Management – Reinitialize Device-B	DM-RD-B
☐	Device Management – Backup and Restore-A	DM-BR-A
☒	Device Management – Backup and Restore-B	DM-BR-B
☐	Device Management – Restart-A	DM-R-A
☒	Device Management – Restart-B	DM-R-B
☐	Device Management – List Manipulation-A	DM-LM-A
☒	Device Management – List Manipulation-B	DM-LM-B
☐	Device Management – Object Creation and Deletion-A	DM-OCD-A
☐	Device Management – Object Creation and Deletion-B	DM-OCD-B
☐	Device Management – Virtual Terminal-A	DM-VT-A
☐	Device Management – Virtual Terminal-B	DM-VT-B
☐	Device Management – Automatic Network Mapping-A	DM-ANM-A
☐	Device Management – Automatic Device Mapping-A	DM-ADM-A
☐	Device Management – Automatic Time Synchronization-A	DM-ATS-A
☐	Device Management – Manual Time Synchronization-A	DM-MTS-A

Network management

☐	Network Management – Connection Establishment-A	NM-CE-A
☐	Network Management – Connection Establishment-B	NM-CE-B
☐	Network Management – Router Configuration-A	NM-RC-A
☐	Network Management – Router Configuration-B	NM-RC-B

Standard object types supported

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	☒	☐	☐
Analog Output	☒	☐	☐
Analog Value	☒	☐	☐
Binary Input	☒	☐	☐
Binary Output	☒	☐	☐
Binary Value	☒	☐	☐
Calendar	☒	☐	☐
Command	☒	☐	☐
Device	☒	☐	☐
Event Enrollment	☒	☐	☐
File	☒	☐	☐
Group	☐	☐	☐
Loop	☒	☐	☐
Multi-State Input	☒	☐	☐
Multi-State Output	☒	☐	☐
Notification Class	☒	☐	☐
Program	☒	☐	☐
Schedule	☒	☐	☐
Averaging	☐	☐	☐
Multi-State Value	☒	☐	☐
Trend Log	☒	☐	☐
Life-Safety-Point	☐	☐	☐
Life-Safety-Zone	☐	☐	☐
Accumulator	☐	☐	☐
Pulse-Converter	☐	☐	☐
Event Log	☒	☐	☐
Global Group	☐	☐	☐
Trend Log Multiple	☐	☐	☐
Load Control	☐	☐	☐
Structured-View	☒	☐	☐
Access Door	☐	☐	☐
(unassigned)	☐	☐	☐
Access Credential	☐	☐	☐
Access Point	☐	☐	☐
Access Rights	☐	☐	☐
Access User	☐	☐	☐
Access Zone	☐	☐	☐
Credential Data Input	☐	☐	☐
Network Security	☐	☐	☐
Bitstring Value	☐	☐	☐
Characterstring Value	☐	☐	☐

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	☐	☐	☐
Date Value	☐	☐	☐
Datetime Pattern Value	☐	☐	☐
Datetime Value	☐	☐	☐
Integer Value	☐	☐	☐
Large Analog Value	☐	☐	☐
Octetstring Value	☐	☐	☐
Positive Integer Value	☒	☐	☐
Time Pattern Value	☐	☐	☐
Time Value	☐	☐	☐
Notification Forwarder	☐	☐	☐
Alert Enrollment	☒	☐	☐
Channel	☐	☐	☐
Lighting Output	☐	☐	☐

Analog Input

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Present_Value	☒	W	
Description	☒	W	
Device_Type	☒	W	
Status_Flags	☒	R	
Event_State	☒	R	
Reliability	☒	W	
Out_Of_Service	☒	W	
Units	☒	W	
Min_Pres_Value	☒	W	
Max_Pres_Value	☒	W	
Resolution	☒	W	
COV_Increment	☒	W	
Profile_Name	☒	R	

Analog Output

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Present_Value	☒	W	
Description	☒	W	
Device_Type	☒	W	
Status_Flags	☒	R	
Event_State	☒	R	
Reliability	☒	W	
Out_Of_Service	☒	W	
Units	☒	W	
Min_Pres_Value	☒	W	
Max_Pres_Value	☒	W	
Resolution	☒	W	
Priority_Array	☒	R	
Relinquish_Default	☒	W	
COV_Increment	☒	W	
Profile_Name	☒	R	

Analog Value

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Present_Value	☒	W	
Description	☒	W	
Status_Flags	☒	R	
Event_State	☒	R	
Reliability	☒	W	
Out_Of_Service	☒	W	
Units	☒	W	
Priority_Array	☒	R	
Relinquish_Default	☒	W	
COV_Increment	☒	W	
Profile_Name	☒	R	

Binary Input

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Present_Value	☒	W	
Description	☒	W	
Device_Type	☒	W	
Status_Flags	☒	R	
Event_State	☒	R	
Reliability	☒	W	
Out_Of_Service	☒	W	
Polarity	☒	W	
Inactive_Text	☒	W	
Active_Text	☒	W	
Profile_Name	☒	R	

DESIGO™ BACnet Protocol Implementation Conformance Statement (PICS)

19 January 2018

Binary Output	Properties	Supported	Readable/Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Present_Value	☒	W	
	Description	☒	W	
	Device_Type	☒	W	
	Status_Flags	☒	R	
	Event_State	☒	R	
	Reliability	☒	W	
	Out_Of_Service	☒	W	
	Priority_Array	☒	R	
	Relinquish_Default	☒	W	
	Polarity	☒	W	
	Inactive_Text	☒	W	
	Active_Text	☒	W	
	Profile_Name	☒	R	

Binary Value	Properties	Supported	Readable/Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Present_Value	☒	W	
	Description	☒	W	
	Status_Flags	☒	R	
	Event_State	☒	R	
	Reliability	☒	W	
	Out_Of_Service	☒	W	
	Priority_Array	☒	R	
	Relinquish_Default	☒	W	
	Inactive_Text	☒	W	
	Active_Text	☒	W	
	Profile_Name	☒	R	

Command	Properties	Supported	Readable/ Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Description	☒	W	
	Present_Value	☒	W	
	In_Process	☒	R	
	All_Writes_Successful	☒	R	
	Action	☒	W	
	Action_Text	☒	W	
	Profile_Name	☒	R	

Device	Properties	Supported	Readable/ Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	R	
	Object_Type	☒	R	
	System_Status	☒	R	
	Vendor_Name	☒	R	
	Vendor_ID	☒	R	
	Model_name	☒	R	
	Firmware_Revision	☒	R	
	Application_Software_Version	☒	R	
	Location	☒	W	
	Description	☒	W	
	Protocol_Version	☒	R	
	Protocol_Revision	☒	R	
	Protocol_Services_Supported	☒	R	
	Protocol_Objects_Supported	☒	R	
	Object_List	☒	R	
	Structured_Object_List	☒	R	
	Max_APDU_Length_Accpeted	☒	R	
	Segmentation_Supported	☒	R	
	Max_Segments_Accepted	☒	R	
	Local_Time	☒	R	
	Local_Date	☒	R	
	UTC_Offset	☒	R	
	Daylight_Savings_Status	☒	R	
	APDU_Segment_Timeout	☒	R	
	APDU_Timeout	☒	R	
	Number_Of_APDU_Retries	☒	R	
	Device_Address_Binding	☒	R	
	Database_Revision	☒	R	
	Configuration_Files	☒	R	
	Last_Restore_Time	☒	R	
	Backup_Failure_Timeout	☒	W	
	Active_COV_Subscriptions	☒	R	
	Last_Restart_Reason	☒	R	
	Time_Of_Device_Restart	☒	R	
	Restart_Notification_Recipients	☒	W	
	Profile_Name	☒	R	

Event Enrollment	Properties	Supported	Readable/ Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Description	☒	W	
	Event_Type	☒	R	
	Event_Parameters	☒	W	
	Notify_Type	☒	W	
	Object_Property_Reference	☒	W	
	Event_State	☒	R	
	Event_Enable	☒	W	
	Event_Detection_Enable	☒	W	
	Acked_Transitions	☒	R	
	Time_Delay_Normal	☒	W	
	Notification_Class	☒	W	
	Event_Time_Stamps	☒	R	
	Event_Message_Texts	☒	R	
	Event_Message_Texts_Config	☒	W	
	Event_Algorithm_Inhibit	☒	W	
	Status_Flags	☒	R	
	Reliability	☒	R	
	Profile_Name	☒	R	

File	Properties	Supported	Readable/ Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Description	☒	W	
	File_Type	☒	R	
	File_Size	☒	W	
	Modification_Date	☒	R	
	Archive	☒	W	
	Read_Only	☒	R	
	File_Access_Method	☒	R	
	Profile_Name	☒	R	

Loop	Properties	Supported	Readable/ Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Present_Value	☒	W	
	Description	☒	W	
	Status_Flags	☒	R	
	Event_State	☒	R	
	Reliability	☒	W	
	Out_Of_Service	☒	W	
	Output_Units	☒	W	
	Manipulated_Variable_Reference	☒	R	
	Controlled_Variable_Reference	☒	R	
	Controlled_Variable_Value	☒	R	
	Controlled_Variable_Units	☒	W	
	Setpoint_Reference	☒	R	
	Setpoint	☒	R	
	Action	☒	R	
	Proportional_Constant	☒	W	
	Proportional_Constant_Units	☒	W	
	Integral_Constant	☒	W	
	Integral_Constant_Units	☒	W	
	Derivative_Constant	☒	W	
	Derivative_Constant_Units	☒	W	
	Bias	☒	W	
	Maximum_Output	☒	W	
	Minimum_Output	☒	W	
	Priority_For_Writing	☒	R	
	COV_Increment	☒	W	
	Profile_Name	☒	R	

DESIGO™ BACnet Protocol Implementation Conformance Statement (PICS)

Multistate Input	Properties	Supported	Readable/Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Present_Value	☒	W	
	Description	☒	W	
	Device_Type	☒	W	
	Status_Flags	☒	R	
	Event_State	☒	R	
	Reliability	☒	W	
	Out_Of_Service	☒	W	
	Number_Of_States	☒	R	
	State_Text	☒	W	
	Profile_Name	☒	R	

Multistate Output	Properties	Supported	Readable/Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Present_Value	☒	W	
	Description	☒	W	
	Device_Type	☒	W	
	Status_Flags	☒	R	
	Event_State	☒	R	
	Reliability	☒	W	
	Out_Of_Service	☒	W	
	Priority_Array	☒	R	
	Relinquish_Default	☒	W	
	Number_Of_States	☒	R	
	State_Text	☒	W	
	Profile_Name	☒	R	

Multistate Value	Properties	Supported	Readable/Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Present_Value	☒	W	
	Description	☒	W	
	Status_Flags	☒	R	
	Event_State	☒	R	
	Reliability	☒	W	
	Out_Of_Service	☒	W	
	Priority_Array	☒	R	
	Relinquish_Default	☒	W	
	Number_Of_States	☒	R	
	State_Text	☒	W	
	Profile_Name	☒	R	

Notification Class	Properties	Supported	Readable/Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Description	☒	W	
	Notification_Class	☒	R	
	Priority	☒	W	
	Ack_Required	☒	W	
	Recipient_List	☒	W	
	Profile_Name	☒	R	

Program

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Program_State	☒	R	
Program_Change	☒	W	
Reason_For_Halt	☒	R	
Description_Of_Halt	☒	R	
Program_Address	☒	R	
Description	☒	W	
Status_Flags	☒	R	
Reliability	☒	R	
Out_Of_Service	☒	R	
Profile_Name	☒	R	

Schedule

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Description	☒	W	
Present_Value	☒	W	
Schedule_Default	☒	W	
Effective_Period	☒	W	
Weekly_Schedule	☒	W	
Exception_Schedule	☒	W	
List_of_Object_Property_References	☒	W	
Priority_For_Writing	☒	W	
Status_Flags	☒	R	
Reliability	☒	W	
Out_Of_Service	☒	W	

Calendar

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Description	☒	W	
Present_Value	☒	R	
Date_List	☒	W	
Profile_Name	☒	R	

Trend Log	Properties	Supported	Readable/ Writable	Range restrictions
	Object_Identifier	☒	R	
	Object_Name	☒	W	
	Object_Type	☒	R	
	Description	☒	W	
	Enable	☒	W	
	Start_Time	☒	W	
	Stop_Time	☒	W	
	Log_DeviceObjectProperty	☒	W	
	Log_Interval	☒	W	
	Stop_When_Full	☒	W	
	Buffer_Size	☒	W	
	Log_Buffer	☒	R	
	Record_Count	☒	W	
	Total_Record_Count	☒	R	
	Notification_Threshold	☒	W	
	Records_Since_Notification	☒	R	
	Last_Notify_Record	☒	R	
	Event_State	☒	R	
	Notification_Class	☒	W	
	Event_Enable	☒	W	
	Event_Detection_Enable	☒	R	
	Acked_Transitions	☒	R	
	Notify_Type	☒	R	
	Event_Time_Stamps	☒	R	
	Logging_Type	☒	W	
	Align_Intervals	☒	W	
	Interval_Offset	☒	W	
	COV_Resubscription_Interval	☒	R	
	Reliability	☒	R	
	Status_Flags	☒	R	
	Profile_Name	☒	R	

Event-Log

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Description	☒	W	
Status_Flags	☒	R	
Event_State	☒	R	
Reliability	☒	R	
Enable	☒	W	
Start_Time	☒	W	
Stop_Time	☒	W	
Stop_When_Full	☒	W	
Buffer_Size	☒	W	
Log_Buffer	☒	R	
Record_Count	☒	W	
Total_Record_Count	☒	R	
Notification_Threshold	☒	W	
Records_Since_Notification	☒	R	
Last_Notify_Record	☒	R	
Notification_Class	☒	W	
Event_Enable	☒	W	
Event_Detection_Enable	☒	R	
Acked_Transitions	☒	R	
Notify_Type	☒	R	
Event_Time_Stamps	☒	R	
Profile_Name	☒	R	

Structured View

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Description	☒	W	
Node_Type	☒	R	
Node_Subtype	☒	W	
Subordinate_List	☒	W	
Subordinate_Annotations	☒	W	
Profile_Name	☒	R	

Positive Integer Value

Properties	Supported	Readable/Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Present_Value	☒	W	
Description	☒	W	
Status_Flags	☒	R	
Event_State	☒	R	
Reliability	☒	R	
Out_Of_Service	☒	R	
Units	☒	W	
COV_Increment	☒	W	
Profile_Name	☒	R	

Alert Enrollment

Properties	Supported	Readable/Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	W	
Object_Type	☒	R	
Description	☒	W	
Present_Value	☒	R	
Notify_Type	☒	W	
Event_State	☒	R	
Event_Enable	☒	W	
Event_Detection_Enable	☒	W	
Acked_Transitions	☒	R	
Notification_Class	☒	W	
Event_Time_Stamps	☒	R	
Event_Message_Texts	☒	R	
Event_Message_Texts_Config	☒	W	
Event_Algorithm_Inhibit	☒	W	
Profile_Name	☒	R	

Segmentation capability

☒	Able to transmit segmented messages	Window size	32
☒	Able to receive segmented messages	Window size	32

Data Link Layer options

The simultaneously supported Data Link Layers of a product are listed with the product model number.

☐	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)	: 9600 : 19200 : 38400 : 76800 : 115200
☐	MS/TP slave (Clause 9), baud rate(s)	
☐	Point-To-Point, EIA 232 (Clause 10), baud rate(s)	: 38400
☐	Point-To-Point, modem, (Clause 10), baud rate(s)	: 38400
☐	LonTalk, (Clause 11), medium	: TP/FT-10
☐	Other	

Device address binding

Is static device binding supported?	☒ Yes	☐ No

Networking options

☐	Router, Clause 6 (remote management functionality/BACnet PTP)
☐	Annex H, BACnet Tunnelling Router over IP
☐	BACnet/IP Broadcast Management Device (BBMD) Number of BDT entries: Number of FDT entries:
	Does the BBMD support registrations by foreign devices? ☐ Yes ☐ No

Character sets supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

☒ UTF-8 (or ANSI X3.4)	☐ IBM / Microsoft DBCS	☐ ISO 8859-1
☐ ISO 10646 (UCS-2)	☐ ISO 10646 (UCS-4)	☐ JIS C 6226