

DDC4000 (Software 1.11.8)**BACnet™ Protocol Implementation Conformance Statement (PICS)**

Date:	2014-09-16
Vendor Name:	Kieback&Peter GmbH & Co. KG
Product Name:	DDC4000
Product Model Number:	DDC4200, DDC4400, DDC4200-L, DDC4002
Application Software Version:	1.11.8
Firmware Revision:	B1.12#1
BACnet Protocol Revision:	1.12 (BACnet ANSI/ASHRAE 135-2010 Rev. 12)

Product Description:

The Kieback&Peter DDC4000 is a BACnet Building Controller.

BACnet Standardized Device Profile (Annex L):

- BACnet Advanced Operator 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)

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Änderungen vorbehalten - Contents subject to change - Sous réserve de modifications - Reservado el derecho a modificación - Wijzigingen voorbehouden - Con riserva di modifiche - Innehåll som skall ändras - Změny vyhrazeny - Zmiany zastrzeżone - Возможны изменения - A változtatások jogát fenntartjuk - 保留未经通知而改动的权力

BACnet Interoperability Building Blocks (BIBBs)

Data Sharing BIBBs

DS-RP-A	Data Sharing-ReadProperty-A
DS-RP-B	Data Sharing-ReadProperty-B
DS-RPM-A	Data Sharing-ReadPropertyMultiple-A
DS-RPM-B	Data Sharing-ReadPropertyMultiple-B
DS-WP-A	Data Sharing-WriteProperty-A
DS-WP-B	Data Sharing-WriteProperty-B
DS-WPM-B	Data Sharing-WritePropertyMultiple-B
DS-COV-A	Data Sharing-COV-A
DS-COV-B	Data Sharing-COV-B
DS-COVP-B	Data Sharing-COVP-B
DS-COVU-A	Data Sharing-COV-Unsolicited-A
DS-COVU-B	Data Sharing-COV-Unsolicited-B

Alarm and Event Management BIBBs

AE-N-A	Alarm and Event-Notification-A
AE-N-I-B	Alarm and Event-Notification Internal-B
AE-N-E-B	Alarm and Event-Notification External-B
AE-ACK-B	Alarm and Event-ACK-B
AE-ASUM-B	Alarm and Event-Alarm Summary-B
AE-ESUM-B	Alarm and Event-Enrollment Summary-B
AE-INFO-B	Alarm and Event-Information-B
AE-EL-I-B	Alarm and Event-Event Log-Internal-B
AE-EL-E-B	Alarm and Event-Event Log-External-B

Scheduling BIBBs

SCHED-I-B	Scheduling-Internal-B
SCHED-E-B	Scheduling-External-B

Trending BIBBs

T-VMT-I-B	Trending-Viewing and Modifying Trends Internal-B
T-VMT-E-B	Trending-Viewing and Modifying Trends External-B
T-VMMV-I-B	Trending-Viewing and Modifying Multiple Values-Internal-B
T-VMMV-E-B	Trending-Viewing and Modifying Multiple Values-External-B
T-AMVR-B	Trending-Automated Multiple Value Retrieval-B
T-ATR-B	Trending-Automated Trend Retrieval-B

Device and Network Management BIBBs

DM-DDB-A	Device Management-Dynamic Device Binding-A
DM-DDB-B	Device Management-Dynamic Device Binding-B
DM-DOB-B	Device Management-Dynamic Object Binding-B
DM-DCC-B	Device Management-DeviceCommunicationControl-B
DM-TS-A	Device Management-TimeSynchronization-A
DM-TS-B	Device Management-TimeSynchronization-B
DM-UTC-A	Device Management-UTCTimeSynchronization-A
DM-UTC-B	Device Management-UTCTimeSynchronization-B
DM-RD-B	Device Management-ReinitializeDevice-B

DM-BR-B	Device Management-Backup and Restore-B
DM-R-A	Device Management-Restart-A
DM-R-B	Device Management-Restart-B
DM-LM-A	Device Management-List Manipulation-A
DM-LM-B	Device Management-List Manipulation-B
DM-OCD-B	Device Management-Object Creation and Deletion-B
DM-ATS-A	Device Management-Automatic Time Synchronization-A
NM-CE-A	Network Management-Connection Establishment-A
NM-CE-B	Network Management-Connection Establishment-B
NM-RC-A	Network Management-Router Configuration-A
NM-RC-B	Network Management-Router Configuration-B

Segmentation Capability:

- Segmented requests supported; Window Size: **32**
- Segmented responses supported; Window Size: **32**

Supported Object Types

- Accumulator Object
- Analog Input Object
- Analog Output Object
- Analog Value Object
- Averaging Object
- Binary Input Object
- Binary Output Object
- Binary Value Object
- Calendar Object
- Command Object
- Device Object
- Event Enrollment Object
- Event Log Object
- File Object
- Global Group Object
- Group Object
- Life Safety Point Object
- Life Safety Zone Object
- Loop Object
- Multi-state Input Object
- Multi-state Output Object
- Multi-state Value Object
- Notification Class Object
- Program Object
- Pulse Converter Object
- Schedule Object
- Trend Log Object
- Trend Log Multiple Object
- Load Control Object
- Structured View Object
- Network Security Object
- BitString Value Object
- CharacterString Value Object
- Date Pattern Value Object
- Date Value Object
- DateTime Pattern Value Object
- DateTime Value Object
- Integer Value Object
- Large Analog Value Object
- OctetString Value Object
- Positive Integer Value Object
- Time Pattern Value Object
- Time Value Object

Analog Input Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x			x		
Description		x		x	x	184 characters
Device_Type		x		x		
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Update_Interval		x		x		
Units	x			x		
Min_Pres_Value		x		x		
Max_Pres_Value		x		x		
Resolution		x		x		
COV_Increment		x		x	x	
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
High_Limit		x		x	x	
Low_Limit		x		x	x	
Deadband		x		x	x	
Limit_Enable		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Analog Output Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x		x	x	x	
Description		x		x	x	184 characters
Device_Type		x		x		
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Units	x			x		
Min_Pres_Value		x		x		
Max_Pres_Value		x		x		
Resolution		x		x		
Priority_Array	x			x		
Relinquish_Default	x			x		
COV_Increment		x		x	x	
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
High_Limit		x		x	x	
Low_Limit		x		x	x	
Deadband		x		x	x	
Limit_Enable		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Analog Value Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x			x	x	
Description		x		x	x	184 characters
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Units	x			x		
Priority_Array		x		x		
Relinquish_Default		x		x		
COV_Increment		x		x	x	
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
High_Limit		x		x	x	
Low_Limit		x		x	x	
Deadband		x		x	x	
Limit_Enable		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Binary Input Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x			x		
Description		x		x	x	184 characters
Device_Type		x		x		
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Polarity	x			x	x	
Inactive_Text		x		x	x	[1;64] characters
Active_Text		x		x	x	[1;64] characters
Change_Of_State_Time		x		x		
Change_Of_State_Count		x		x	x	
Time_Of_State_Count_Reset		x		x		
Elapsed_Active_Time		x		x	x	
Time_Of_Active_Time_Reset		x		x		
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
Alarm_Value		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Binary Output Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x		x	x	x	
Description		x		x	x	184 characters
Device_Type		x		x		
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Polarity	x			x		
Inactive_Text		x		x	x	[1;64] characters
Active_Text		x		x	x	[1;64] characters
Change_Of_State_Time		x		x		
Change_Of_State_Count		x		x	x	
Time_Of_State_Count_Reset		x		x		
Elapsed_Active_Time		x		x	x	
Time_Of_Active_Time_Reset		x		x		
Minimum_Off_Time		x		x	x	
Minimum_On_Time		x		x	x	
Priority_Array	x			x		
Relinquish_Default	x			x		
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
Feedback_Value		x		x		
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Binary Value Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x			x	x	
Description		x		x	x	184 characters
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Inactive_Text		x		x	x	[1;64] characters
Active_Text		x		x	x	[1;64] characters
Change_Of_State_Time		x		x		
Change_Of_State_Count		x		x	x	
Time_Of_State_Count_Reset		x		x		
Elapsed_Active_Time		x		x	x	
Time_Of_Active_Time_Reset		x		x		
Minimum_Off_Time		x		x	x	
Minimum_On_Time		x		x	x	
Priority_Array		x		x		
Relinquish_Default		x		x		
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
Alarm_Value		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Calendar Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
Present_Value	x			x		
Date_List	x			x	x	
Profile_Name		x		x		

Command Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
Present_Value	x		x	x	x	
In_Process	x			x		
All_Writes_Successful	x			x		
Action		x		x	x	[0..37]
Action_Text		x		x	x	[0..37]
Profile_Name		x		x		

Device Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
System_Status	x			x		
Vendor_Name	x			x		
Vendor_Identifier	x			x		
Model_Name	x			x		
Firmware_Revision	x			x		
Application_Software_Version	x			x		
Location		x		x	x	
Description		x		x	x	184 characters
Protocol_Version	x			x		
Protocol_Revision	x			x		
Protocol_Services_Supported	x			x		
Protocol_Object_Types_Supported	x			x		
Object_List	x			x		
Structured_Object_List		x				
Max_APDU_Length_Accepted	x			x		
Segmentation_Supported	x			x		
Max_Segments_Accepted		x		x		
VT_Classes_Supported		x				
Active_VT_Sessions		x				
Local_Time		x		x		
Local_Date		x		x		
UTC_Offset		x		x		
Daylight_Savings_Status		x		x		
APDU_Segment_Timeout		x		x		
APDU_Timeout	x			x		
Number_Of_APDU_Retries	x			x		
List_Of_Session_Keys		x				
Time_Synchronization_Recipients		x		x	x	
Max_Master		x		x	x	
Max_Info_Frames		x		x	x	
Device_Address_Binding	x			x		
Database_Revision	x			x		
Configuration_Files		x		x		
Last_Restore_Time		x		x		
Backup_Failure_Timeout		x		x	x	
Backup_Preparation_Time		x		x		
Restore_Preparation_Time		x		x		
Restore_Completion_Time		x		x		

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Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Backup_And_Restore_State		X		X		
Active_COV_Subscriptions		X		X		
Slave_Proxy_Enable		X				
Manual_Slave_Address_Binding		X				
Auto_Slave_Discovery		X				
Slave_Address_Binding		X				
Last_Restart_Reason		X		X		
Time_Of_Device_Restart		X		X		
Restart_Notification_Recipients		X		X	X	
UTC_Time_Synchronization_Recipients		X		X	X	
Time_Synchronization_Interval		X		X	X	
Align_Intervals		X		X	X	
Interval_Offset		X		X	X	
Profile_Name		X		X		

Event Enrollment Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
Event_Type	x			x		
Notify_Type	x			x	x	
Event_Parameters	x			x	x	
Object_Property_Reference	x			x	x	only writable for dynamically created objects
Event_State	x			x		
Event_Enable	x			x	x	
Acked_Transitions	x			x		
Notification_Class	x			x	x	
Event_Time_Stamps	x			x		
Profile_Name		x		x		
Event_Message_Texts		x				

Event Log Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
Status_Flags	x			x		
Event_State	x			x		
Enable	x		x	x	x	
Start_Time		x		x	x	
Stop_Time		x		x	x	
Stop_When_Full	x			x	x	
Buffer_Size	x			x	x	
Log_Buffer	x			x		
Record_Count	x		x	x	x	
Total_Record_Count	x			x		
Notification_Threshold		x		x	x	
Records_Since_Notification		x		x		
Last_Notify_Record		x		x		
Notification_Class		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

File Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
File_Type	x			x		
File_Size	x			x	x	
Modification_Date	x			x		
Archive	x		x	x	x	
Read_Only	x			x		
File_Access_Method	x			x		
Record_Count		x				
Profile_Name		x		x		

Loop Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x			x		
Description		x		x	x	184 characters
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Update_Interval		x		x		
Output_Units	x			x		
Manipulated_Variable_Reference	x			x		
Controlled_Variable_Reference	x			x		
Controlled_Variable_Value	x			x		
Controlled_Variable_Units	x			x		
Setpoint_Reference	x			x		
Setpoint	x			x		
Action	x			x		
Proportional_Constant		x		x	x	
Proportional_Constant_Units		x		x		
Integral_Constant		x		x	x	
Integral_Constant_Units		x		x		
Derivative_Constant		x		x	x	
Derivative_Constant_Units		x		x		
Bias		x		x		
Maximum_Output		x		x		
Minimum_Output		x		x		
Priority_For_Writing	x			x		
COV_Increment		x		x	x	
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
Error_Limit		x		x	x	
Deadband		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Multi-state Input Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x			x		
Description		x		x	x	184 characters
Device_Type		x		x		
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Number_Of_States	x			x		
State_Text		x		x		64 characters
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
Alarm_Values		x		x	x	
Fault_Values		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Multi-state Output Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x		x	x	x	
Description		x		x	x	184 characters
Device_Type		x		x		
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Number_Of_States	x			x		
State_Text		x		x		64 characters
Priority_Array	x			x		
Relinquish_Default	x			x		
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
Feedback_Value		x		x		
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Multi-state Value Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x			x	x	
Description		x		x	x	184 characters
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Out_Of_Service	x			x	x	
Number_Of_States	x			x		
State_Text		x		x		64 characters
Priority_Array		x		x		
Relinquish_Default		x		x		
Time_Delay		x		x	x	[0..3600]
Notification_Class		x		x	x	
Alarm_Values		x		x	x	
Fault_Values		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Notification Class Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
Notification_Class	x			x		
Priority	x			x	x	
Ack_Required	x			x	x	
Recipient_List	x			x	x	
Profile_Name		x		x		

Pulse Converter Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
Present_Value	x			x		
Input_Reference		x		x	x	
Status_Flags	x			x		
Event_State	x			x		
Reliability	x			x		
Out_Of_Service	x			x	x	
Units	x			x		
Scale_Factor	x		x	x	x	
Adjust_Value	x			x	x	
Count	x			x		
Update_Time	x			x		
Count_Change_Time	x			x		
Count_Before_Change		x		x		
COV_Increment		x		x	x	[0.1..3.40282347E38]
COV_Period		x		x	x	[0..2147483647]
Notification_Class		x		x	x	
Time_Delay		x		x	x	[0..3600]
High_Limit		x		x	x	
Low_Limit		x		x	x	
Deadband		x		x	x	
Limit_Enable		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Schedule Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Present_Value	x			x		Unsigned, BinaryPV, Boolean, Real, NULL
Description		x		x	x	184 characters
Effective_Period	x			x	x	
Weekly_Schedule		x		x	x	
Exception_Schedule		x		x	x	
Schedule_Default	x			x	x	Unsigned, BinaryPV, Boolean, Real, NULL
List_Of_Object_Property_References	x			x	x	
Priority_For_Writing	x			x	x	
Status_Flags	x			x		
Reliability	x			x		
Out_Of_Service	x			x	x	
Profile_Name		x		x		

Trend Log Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
Enable	x		x	x	x	
Start_Time		x		x	x	
Stop_Time		x		x	x	
Log_DeviceObjectProperty		x		x		
Log_Interval		x		x	x	
COV_Resubscription_Interval		x		x	x	[10..86400]
Client_COV_Increment		x		x	x	
Stop_When_Full	x			x	x	
Buffer_Size	x			x	x	
Log_Buffer	x			x		
Record_Count	x		x	x	x	
Total_Record_Count	x			x		
Notification_Threshold		x		x	x	
Records_Since_Notification		x		x		
Last_Notify_Record		x		x		
Event_State	x			x		
Notification_Class		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Logging_Type		x		x	x	
Align_Intervals		x		x	x	
Interval_Offset		x		x	x	
Trigger		x		x	x	
Status_Flags		x		x		
Reliability		x		x		
Event_Message_Texts		x				

Trend Log Multiple Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
Status_Flags	x			x		
Event_State	x			x		
Reliability	x			x		
Enable	x		x	x	x	
Log_DeviceObjectProperty	x			x	x	[0..16]
Logging_Type	x			x	x	
Log_Interval	x		x	x	x	
Align_Intervals		x		x	x	
Interval_Offset		x		x	x	
Stop_When_Full	x			x	x	
Buffer_Size	x			x	x	[10..5000]
Log_Buffer	x			x		
Record_Count	x		x	x	x	
Total_Record_Count	x			x		
Notification_Threshold		x		x	x	[10..5000]
Records_Since_Notification		x		x		
Last_Notify_Record		x		x		
Notification_Class		x		x	x	
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Start_Time		x	x	x	x	
Stop_Time		x	x	x	x	
Trigger		x		x	x	
Event_Message_Texts		x				

Load Control Object

Property Identifier	BACnet Standard			DDC4000		
	Required	Optional	Writable	Supported	Writable	Notes
Object_Identifier	x			x		
Object_Name	x			x	x	184 characters
Object_Type	x			x		
Description		x		x	x	184 characters
Present_Value	x			x		
State_Description		x		x		
Status_Flags	x			x		
Event_State	x			x		
Reliability		x		x		
Requested_Shed_Level			x	x	x	
Start_Time			x	x	x	
Shed_Duration			x	x	x	[0..2147483647]
Duty_Window			x	x	x	[0..2147483647]
Enable			x	x	x	
Full_Duty_Baseline		x		x		
Expected_Shed_Level	x			x		
Actual_Shed_Level	x			x		
Shed_Levels			x	x	x	not resizable
Shed_Levels_Descriptions	x			x	x	not resizable
Notification_Class		x		x	x	
Time_Delay		x		x	x	[0..3600]
Event_Enable		x		x	x	
Acked_Transitions		x		x		
Notify_Type		x		x	x	
Event_Time_Stamps		x		x		
Profile_Name		x		x		
Event_Message_Texts		x				

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ASTM 878.1, 2.5 Mb. ARCNET (Clause 8)
- ASTM 878.1, RS-485 ARCNET (Clause 8) baud rate(s) _____
- MS/TP master (Clause 9), baud rate(s): **9600, 19200, 38400, 57600, 76800, 115200**
- MS/TP slave (Clause 9), baud rate(s): _____
- Point-To-Point, EIA 232 (Clause 10), baud rate(s): **115200**
- Point-To-Point, modem, (Clause 10), baud rate(s): **115200**
- 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**

Networking Options:

- Router, Clause 6 - List all routing configurations: **BACnet/IP to Point-To-Point, BACnet/IP to MS/TP**
- Annex H, BACnet Tunneling Router over IP
- BACnet Broadcast Management Device (BBMD)
- Does the BBMD support registrations by Foreign Devices? **Yes**

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
- ISO 10646 (UTF-8)

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