

BACnet Protocol Implementation Conformance Statement

Date: 09.05.2017

Vendor Name: KSB AG Frankenthal

Product:

Name	Model Number	Application Software Version	Firmware Version	BACnet Protocol Revision
PumpDrive 2	PD2.BACnet	>= 1.7.0	1.0.0	1.10

Product Description:

Frequency inverter for pump applications, power range 0.37-55 kW, with BACnet MS/TP-Interface.

BACnet Standardized Device Profile (Annex L):

BACnet Application Specific Controller (B-ASC)

BACnet Interoperability Building Blocks Supported:

Data Sharing BIBBs

Data Sharing ReadProperty-B	DS-RP-B
Data Sharing ReadPropertyMultiple-B	DS-RPM-B
Data Sharing WriteProperty-B	DS-WP-B
Data Sharing COV-Unsubscribed -B	DS-COVU-B

Device Management BIBBs

Device Management Dynamic Device Binding-B	DM-DDB-B
Device Management Dynamic Object Binding-B	DM-DOB-B
Device Management DeviceCommunicationControl-B	DM-DCC-B
Device Management TimeSynchronization-B	DM-TS-B
Device Management ReinitializeDevice-B	DM-RD-B
Device Management Backup and Restore-B	DM-BR-B

Segmentation Capability:

Segmentation requests supported	N/A
Segmentation responses supported	N/A

Standard Object Types Supported:

Object Type	Dynamically Createable	Dynamically Deleteable
Analog Input	No	No
Analog Value	No	No
Binary Input	No	No
Binary Value	No	No
Device	No	No
File	No	No
Multistate Input	No	No
Multistate Value	No	No

Analog Input	
Optional Properties Supported	Writeable Properties
Description Reliability COV_Increment Notification_Class Profile_Name	Object_Name (max. 64 Bytes) Description (max. 64 Bytes) Out_Of_Service COV_Increment Notification_Class (0:COV disable, 1:COV enable) Present_Value

Analog Value	
Optional Properties Supported	Writeable Properties
Description Reliability Priority_Array Relinquish_Default COV_Increment Notification_Class Profile_Name	Object_Name (max. 64 Bytes) Present_Value (max. 64 Bytes) Description Notification_Class (0:COV disable, 1:COV enable) Present_Value

Binary Input	
Optional Properties Supported	Writeable Properties
Description	Object_Name (max. 64 Bytes)
Reliability	Description (max. 64 Bytes)
Inactive_Text	Out_Of_Service
Active_Text	Polarity
Notification_Class	Notification_Class (0:COV disable, 1:COV enable)
Profile_Name	Present_Value
	Inactive_Text
	Active_Text

Binary Value	
Optional Properties Supported	Writeable Properties
Description	Object_Name (max. 64 Bytes)
Reliability	Description (max. 64 Bytes)
Inactive_Text	Out_Of_Service
Active_Text	Polarity
Notification_Class	Notification_Class (0:COV disable, 1:COV enable)
Profile_Name	Present_Value
Polarity	Inactive_Text
	Active_Text

Device	
Optional Properties Supported	Writeable Properties
Location	Location (max. 64 Bytes)
Description	Object_Name (max. 64 Bytes)
Local_Time	Object_Identifier Instance
Local_Date	Description (max. 64 Bytes)
UTC_Offset (used as global COV mode)	UTC_Offset (COV 0: Off, 1: LocalNet, 2: GlobalNet)
Configuration Files	Max_Master (1..127)
Backup_Failure_Timeout	Max_Info_Frames (1..255)
Last_Restore_Time	
Max_Master	
Max_Info_Frames	
Time_Of_Device_Restart	
Last_Restart_Reason	

File	
Optional Properties Supported	Writeable Properties
Description	
Profile_Name	

Multistate Input	
Optional Properties Supported	Writeable Properties
Description	Object_Name (max. 64 Bytes)
Reliability	Description (max. 64 Bytes)
State_Text	Notification_Class (0:COV disable, 1:COV enable)
Notification_Class	Out_Of_Service
Profile_Name	Present_Value

Multistate Value	
Optional Properties Supported	Writeable Properties
Description	Object_Name (max. 64 Bytes)
Reliability	Description (max. 64 Bytes)
State_Text	Notification_Class (0:COV disable, 1:COV enable)
Notification_Class	Out_Of_Service
Profile_Name	Present_Value

Data Link Layer Options:

MS/TP slave, baud rate(s): 9600, 19200, **38400**, 57600, 76800, 115200

Device Address Binding:

Static device address binding is not supported

Networking Options:

N/A

Network Security Options:

Non-secure Device - is capable of operating without BACnet Network Security

Character Sets Supported:

ISO 10646 (UTF-8)

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

N/A