BACnet Protocol Implementation Conformance Statement

Date:	September 19, 2016
Vendor Name:	DEOS AG (Vendor ID: 142)
Product Name:	Air Flap Drives, Rotary actuator
Product Model Number:	PLD10-24-BAC, PLD20-24BAC, PWD05-24-BAC
Applications Software Version:	n.a.
Firmware Revision:	1.010
BACnet Protocol Revision:	1.4

Product Description:

The air flap drives PLD10-24-BAC and PLD20-24-BAC are stand alone drives for adjustment air flaps in ventilation and air-conditioning systems.
The ball valve drive PWD05-24-BAC is a stand alone drive for adjustment ball valve for water system.

All settings are possible directly via BACnet protocol. No additional software will be needed for initial operation.

BACnet Standardized Device Profile (Annex L):

☐ BACnet Operator Workstation (B-OWS)
☐ 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)

Data Sharing

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

Device and Network Management

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

Segmentation Capability:

☐ Segmented requests	supported Window Size:
☐ Segmented responses	supported Window Size:

Standard Object Types Supported:

The following object types are supported and present in the device. Each standard Object Type is supported with following data:

Object-Type	Dynamically Creatable Deleteable	Optional Properties Supported	Writable Properties
Analog Input	☐	Description Device_Type Reliability Update_Interval Min_Pres_Value Max_Pres_Value Resolution COV_Increment	Object_Name Description Out_Of_Service
Analog Output	☐	Description Device_Type Reliability Update_Interval Min_Pres_Value Max_Pres_Value Resolution COV_Increment	Object_Name Description Out_Of_Service Present_Value
Analog Value	☐	Description Reliability COV_Increment	Object_Name Description Out_Of_Service Present_Value
Binary Input	☐	Description Device_Type Reliability Inactive_Text Active_Text	Object_Name Description Inactive_Text Active_Text Out_Of_Service
Binary Value	☐	Description Reliability Inactive_Text Active_Text	Object_Name Description Inactive_Text Active_Text
Device	☐	Location Description Max_Master Max_Info_Frames	Object_Name Location Description Max_Master
Multistate Value	☐	Description Reliability State_Text	Object_Name Description Present_Value

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)
☐ ANSI/ATA 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):
☐ 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 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
☐ Annex H, BACnet Tunneling Router over IP
☐ BACnet/IP Broadcast Management Device (BBMD)
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.

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

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