Interface Modules
IF-Modul BACnet & IF-Modul Stratos BACnet

BACnet Protocol Implementation Conformance Statement

Document Revision: 2.00
Date: 2014-01-08
Vendor Name: WILO SE
Product Name: IF-Modul BACnet, IF-Modul BACnet Stratos
Product Model Number: IF-RS485
Hardware Revision(s): 1
Applications Software Version: 2.00
Firmware Revision: 02.02
BACnet Protocol Revision: 4

Product Description:

The Interface modules IF-Modul BACnet and IF-Modul BACnet Stratos have been designed to provide a BACnet interface to all WILO pumps equipped with the CAN bus interface. The modules are to be plugged into the enclosure of the pump inverter.

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)

List all BACnet Interoperability Building Blocks Supported (Annex K):

The product meets all requirements for designation as a Smart Sensor and Smart Actuator.
The product supports the following BACnet Interoperability Building Blocks (BIBBs).

Application Service	Designation	BACnet Service
Data Sharing	DS-RP-B	Read Property
Data Sharing	DS-WP-B	Write Property
Device Management	DM-DOB-B	Dynamic Object Binding[1]
Device Management	DM-DDB-B	Dynamic Device Binding[1]
Device Management	DM-DCC-B	Device Communication Control

Segmentation Capability:

☐ Segmented requests supported   Window Size _____
☐ Segmented responses supported   Window Size _____
NOTE: The product does not support segmented requests or responses

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[1] Only supported, if configured as MS/TP master

Standard Object Types Supported:

An object type is supported if it may be present in the device. For each standard Object Type supported provide the following data:

Object type	Supported Objects	Dynamically Creatable	Dynamically Deletable	Optional Property Supported	Writable Properties[2]
Analog Input	☑	☐	☐	device-type	
Analog Output	☑	☐	☐	device-type	
Binary Input	☑	☐	☐	device-type	
Binary Output	☑	☐	☐	device-type	
Multistate Input	☑	☐	☐	device-type	
Multistate Output	☑	☐	☐	device-type	
Device	☑	☐	☐	location, description	Max_master

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

The device is configured as MS/TP slave if MAC address is set to 128 or higher, otherwise it is configured as MS/TP master.

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

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[2] List of all properties that are writable where not otherwise required by the BACnet standard