

## **Interface Modules**

### **IF-Modul BACnet & IF-Modul Stratos BACnet**



## BACnet Protocol Implementation Conformance Statement

**Document Revision:** 1.04

**Date:** 2010-07-02

**Vendor Name:** WILO SE

**Product Name:** IF-Modul BACnet, IF-Modul BACnet Stratos

**Product Model Number:** IF-RS485

**Hardware Revision(s):** 1 & C

**Applications Software Version:** 1.11

**Firmware Revision:** 1.03

**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

### ***Segmentation Capability:***

- ☐ Segmented requests supported Window Size \_\_\_\_\_
- ☐ Segmented responses supported Window Size \_\_\_\_\_

**NOTE:** The product does not support segmented requests or responses

## 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
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	device-type	
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	device-type	
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	device-type	
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	device-type	
Multistate Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	device-type	
Multistate Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	device-type	
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	location, description	

## 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): \_\_\_\_\_
- ☒ MS/TP slave (Clause 9), baud rate(s): 9600, 19200, 38400, 76800
- ☐ 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