



## GENERIC Protocol Implementation Conformance Statement

For detailed PIC Statements, locate the specific BACnet model on our website and click the "PIC Statement" link.

**Vendor Name:** Functional Devices, Inc.  
**Product Name:** BACnet RIB  
**Product Model Number:** Various, RIBxxxx-BCxx  
**Applications Software Version:** v1.05 or similar  
**Firmware Revision:** 2.04  
**BACnet Protocol Revision:** 12

### 1. Product Description

The BACnet RIB provides a software-implemented network interface between BACnet client devices and RIB control and monitoring points.

### 2. BACnet Standardized Device Profile (Annex L)

The BACdoor OEM Client-Server supports the B-ASC profile.

### 3. BACnet Interoperability Building Blocks Supported (Annex K)

DS-RP-B, DS-RPM-B, DS-WP-B, DS-WPM-B, DM-DDB-B, DM-DOB-B, DM-DCC-B, DB-RD-B

### 4. Segmentation Capability

Segmentation is not supported.

### 5. Standard Object Types Supported (Model dependent)

No dynamic Creation or Deletion supported  
 No proprietary object types supported

Standard object types supported	Optional properties supported	Writable Properties
<b>Accumulator</b> (2) RIBMNWD12-BC	Prescale	Prescale, Object_Name, Out_Of_Service, Scale, Units
<b>Analog Input</b> (1) RIB@W24B-BCAI (1) RIBMNW24B-BCAO	Description, Reliability, Min-Pres-Value, Max-Pres-Value, Device-Type, Resolution	Object_Name, Description, Units, Min-Pres-Value, Max-Pres-Value, Device-Type
<b>Analog Output</b> (1) RIBMNW24B-BCAO	Description, Reliability, Min-Pres-Value, Max-Pres-Value, Device-Type, Resolution	Object_Name, Description, Units, Device-Type, Present Value, Relinquish-Default
<b>Analog Value</b> (2) RIB@W24B-BCAI	Description	Present-Value Units
<b>Binary Input</b> (12) RIBMNWD12-BC (12) RIBMNWD12-BCDI (4) RIBMW24B-44-BC (2) RIB@24B-BCAI# (2) RIB@WX240*B-BC# (1) RIBMNW24B-BCAO (1) RIBTW240*B-BC	Description, Reliability, Inactive-Text, Active-Text	Object_Name, Description, Inactive-Text, Active-Text, Polarity
<b>Binary Output</b> (4) RIBMW24B-44-BC (1) RIB@W24B-BCAI# (1) RIB@WX240*B-BC# (1) RIBMNW24B-BCAO (1) RIBTW240*B-BC	Description, Reliability, Inactive-Text, Active-Text, Minimum-On-Time, Minimum-Off-Time	Object_Name, Description, Inactive-Text, Active-Text, Polarity, Present-Value, Relinquish-Default, Minimum-On-Time, Minimum-Off-Time
<b>Binary Value</b> (3) RIB@W24B-BCAI	Description, Inactive-Text, Active-Text	Present-Value
<b>Devices</b>	Description, Max-Master, Max-Info-Frames	Object_Name, Description, APDU-Timeout, Number-Of-APDU-Retries, Max-Master, Object-Name

@ = MN for open style, T for enclosed style, \* = 1 for 120Vac input, 2 for 208-277Vac input  
 # = -N4 for optional NEMA4 enclosure, blank for standard enclosure

### 6. Data Link Layer Options

- MS/TP master (Clause 9): 9600, 19200, 38400, 57600, 76800, 115200 baud

### 7. Device Address Binding

Static binding is not supported.

### 8. Networking Options

The RIB is not a router.  
 Annex H, BACnet Tunneling Router over IP is not supported  
 BACnet/IP Broadcast Management Device (BBMD) is not supported

### 9. Character Sets Supported

- ISO 10646 (UTF-8)

### 10. Network Security Options: Non-secure device

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<b>Analog Output</b> (1) RIBMNW24B-BCAO	Description, Reliability, Min-Pres-Value, Max-Pres-Value, Device-Type, Resolution	Object_Name, Description, Units, Device-Type, Present Value, Relinquish-Default
<b>Analog Value</b> (2) RIB@W24B-BCAI	Description	Present-Value Units
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<b>Binary Output</b> (4) RIBMW24B-44-BC (1) RIB@W24B-BCAI# (1) RIB@WX240*B-BC# (1) RIBMNW24B-BCAO (1) RIBTW240*B-BC	Description, Reliability, Inactive-Text, Active-Text, Minimum-On-Time, Minimum-Off-Time	Object_Name, Description, Inactive-Text, Active-Text, Polarity, Present-Value, Relinquish-Default, Minimum-On-Time, Minimum-Off-Time
<b>Binary Value</b> (3) RIB@W24B-BCAI	Description, Inactive-Text, Active-Text	Present-Value
<b>Devices</b>	Description, Max-Master, Max-Info-Frames	Object_Name, Description, APDU-Timeout, Number-Of-APDU-Retries, Max-Master, Object-Name

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