SAUTER

SAUTER BACnet PICS flexotron800 V2

BACnet Protocol Implementation Conformance Statement

D100236143

Content

1 General notes

This statement corresponds to the current releases. Changes are taking place constantly, without prior notification.

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2 Product description

Flexotron 800 is a flexible controller with several communication ports that comes pre-loaded with an application which can easily be configured using the downloadable software SAUTER CASE flexotron.

Date	November 10, 2014
Vendor name	Fr. Sauter AG
Vendor ID	80
Product name	flexotron 800
Product model number	RDT815F022, RDT815F222, RDT815F032, RDT815F232 RDT828F022, RDT828F222, RDT828F032, RDT828F232
Application software version	-
Firmware revision	3.0.8.0371
BACnet protocol revision	1.9

2.1 BACnet Standardized Device Profile (Annex L)

- ☐ BACnet Operator Workstation (B-OWS)
- ☐ BACnet Advanced Operator Workstation (B-AWS)
- ☐ BACnet Operator Display (B-OD)
- ☐ 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)

2.2 List of all BACnet Interoperability Building Blocks Supported (Annex K)

Data sharing	Data Sharing – ReadProperty-B	DS-RP-B
	Data Sharing – ReadPropertyMultiple-B	DS-RPM-B
	Data Sharing – WriteProperty-B	DS-WP-B
Device 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
	Device Management – TimeSynchronization-B	DM-TS-B

2.3 Segmentation Capability

☐ Able to transmit segmented messages Window Size:
☐ Able to receive segmented messages Window Size:

2.4 Standard Object Types Supported

Object type	Supported	Creatable	Deleteable
Analog Input	•		
Analog Output			
Analog Value	•		
Binary Input	•		
Binary Output			
Binary Value	•		
Calendar			
Command			
Device	•		
Event Enrollment			
File			
Group			
Loop			
Multi-State Input	•		
Multi-State Output			
Multi-State Value	•		
Notification Class			
Program			
Schedule			
Averaging			
Trend Log			
Life Safety Point			
Life Safety Zone			
Accumulator			
Pulse Converter			

Object type	Optional properties supported	Writeable properties (not otherwise required by the standard)	Range restrictions
Analog Input	Description		
	Reliability		
Analog Value	Present_Value	Writeable	
	Description		
Binary Input	Description		
	Reliability		
	Inactive_Text		
	Active_Text		
Binary Value	Present_Value	Writeable	
	Description		
	Inactive_Text		
	Active_Text		
Device	Location	Writeable	
	Description	Writeable	
	Local_Time		
	Local_Date		
Multistate Input	Description		
	Reliability		
	State_Text		
Multistate Value	Present_Value	Writeable	
	Description		
	Reliability		
	State_Text		

2.5 Data Link Layer Options

- ☑ BACnet IP, (Annex J)
- ☑ BACnet IP, (Annex J), Foreign Device
- ☐ ISO 8802-3, Ethernet (Clause 7)
- ☐ ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ☐ ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s):_____
- ☐ MS/TP master (Clause 9), baud rate(s):_____
- ☐ 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:_____
- ☐ BACnet/ZigBee **(ANNEX O)**
- ☐ Other:_____

2.6 Device Address Binding

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other device.)

☐ Yes ☑ No

2.7 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

Does the BBMD support network address translation? ☐ Yes ☐ No

2.8 Network Security Options

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

☐ Secure Device – is capable of using BACnet Network Security (NS-SD BIBB)

- ☐ Multiple Application-Specific Keys:
- ☐ Supports encryption (NS-ED BIBB)
- ☐ Key Server (NS-KS BIBB)

2.9 Character Sets Supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

☑ ISO 10646 (UTF-8)	☑ IBM™/Microsoft™ DBCS	☐ ISO 8859-1
☑ ISO 10646 (UCS-2)	☐ ISO 10646 (UCS-4)	☐ JIS X 0208

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

N/a

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