



BACnet protocol implementation conformance statement EXOrealC family of controllers



© Copyright AB Regin, Sweden, 2016



Company Information

Ever since its foundation in 1947, AB Regin has developed products and systems for creation of indoor comfort. Today, Regin is an important player with one of the market's broadest ranges of building automation and the knowledge, experience and resources to provide first-class support and guidance. Often considered the challenger in building automation, Regin continues to stand out through its undivided commitment and motivation to provide the best for customers and partners.

Further information on AB Regin can be found online at www.regincontrols.com.

Product description

The EXOrealC family of controllers contain four model ranges: EXOcompact, Corrigo, Exigo and EXOdos. For details about the models see www.regincontrols.com.

Date	March 14, 2016
Vendor name	AB Regin
Vendor ID	264
Product name	EXOrealC family of controllers
Product model numbers	EXOcompact C*-3 Corrigo E*-3 Exigo HC* EXOdos XF*
Application software version	-
Firmware revision	3.3.0.1
BACnet protocol revision	1.14

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)

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
	Data Sharing – WritePropertyMultiple-B	DS-WPM-B
	Data Sharing – COV-B	DS-COV-B
	Data Sharing – COVP-B	DS-COVP-B
Device Management	Device Management – Dynamic Device Binding-B	DM-DDB-B
	Device Management – Dynamic Device Binding-A	DM-DDB-A
	Device Management – Dynamic Object Binding-B	DM-DOB-B
	Device Management – DeviceCommunicationControl-B	DM-DCC-B
	Device Management – TimeSynchronization-B	DM-TS-B
	Device Management – ReinitializeDevice-B	DM-RD-B
Scheduling	Scheduling-Internal-B	SCHED-I-B
Alarm & Event Management	Alarm and Event-Notification Internal-B	AE-N-I-B
	Alarm and Event-ACK-B	AE-ACK-B
	Alarm and Event-Information-B	AE-INFO-B
	Alarm and Event-Alarm Summary-B	AE-ASUM-B

Segmentation Capability

- Able to transmit segmented messages Window Size:1
- Able to receive segmented messages Window Size:

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		
Calendar			
Schedule			
Notification Class			

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) : 9600,19200,38400,76800
- 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: _____
- BACnet/ZigBee (ANNEX O)
- 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
 - Does the BBMD support network address translation? Yes No

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)

Character Sets Supported

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

- | | | |
|---|--|-------------------------------------|
| <input checked="" type="checkbox"/> ISO 10646 (UTF-8) | <input checked="" type="checkbox"/> IBM™/Microsoft™ DBCS | <input type="checkbox"/> ISO 8859-1 |
| <input checked="" type="checkbox"/> ISO 10646 (UCS-2) | <input type="checkbox"/> ISO 10646 (UCS-4) | <input type="checkbox"/> JIS X 0208 |

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

N/a