



# BACnet protocol implementation conformance statement EXOcompact controller series



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**REGIN**

THE CHALLENGER IN BUILDING AUTOMATION

## 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](http://www.regincontrols.com).

## Product description

EXOcompact is a small, compact controller with different types of communication and I/O options, available with or without built-in display. EXOcompact can be used either as a stand-alone controller or as part of a larger system. The controller is suitable for many different kinds of applications, including heating and ventilation control.

Date	November 7, 2013
Vendor name	AB Regin
Vendor ID	264
Product name	EXOcompact
Product model number	C152T-3, C152DT-3, C282T-3, C282DT-3, C283T-3, C283DT-3
Application software version	-
Firmware revision	3.0.8.0264
BACnet protocol revision	1.9

## 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)

<b>Data sharing</b>	Data Sharing – ReadProperty-B	DS-RP-B
	Data Sharing – ReadPropertyMultiple-B	DS-RPM-B
	Data Sharing – WriteProperty-B	DS-WP-B
<b>Device Management</b>	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

## Segmentation Capability

- Able to transmit segmented messages      Window Size:
- 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
<b>Analog Input</b>	Description		
	Reliability		
<b>Analog Value</b>	Present_Value	Writeable	
	Description		
<b>Binary Input</b>	Description		
	Reliability		
	Inactive_Text		
	Active_Text		
<b>Binary Value</b>	Present_Value	Writeable	
	Description		
	Inactive_Text		
	Active_Text		
<b>Device</b>	Location	Writeable	
	Description	Writeable	
	Local_Time		
	Local_Date		
<b>Multistate Input</b>	Description		
	Reliability		
	State_Text		
<b>Multistate Value</b>	Present_Value	Writeable	
	Description		
	Reliability		
	State_Text		

## 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: \_\_\_\_\_

## 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

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