

# **EZ1 Controller**

## **BACnet Protocol Implementation Conformance Statement (PICS)**

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## Product

<i>Date</i>	<i>Vendor</i>	<i>Product Name</i>	<i>Model Number</i>	<i>Software Version</i>	<i>Firmware Version</i>	<i>BACnet Protocol Revision</i>
December 17, 2013	Embedia Technologies Corp. (VIN 252)	EZ1 Controller	1312002	N/A	7.x-9.x	135-2008

## Vendor Information

Embedia Technologies Corp.  
 Box 51027 Beddington RPO  
 Calgary, AB, CANADA  
 T3K 3V9

## Product Description

The EZ1 Controller is a one motor controller designed specifically for the control of motorized shades. It is compatible with roller, Venetian and louvre style shading products. The EZ1 Controller can operate stand-alone or networked using BACnet/ZigBee.

## BACnet Standardized Device Profile

BACnet Application Specific Controller (B-ASC)

### Supported BACnet Interoperability Building Blocks (BIBBs)

<b>BIBB</b>	<b>Name</b>	<b>Initiate</b>	<b>Execute</b>
DS-RP-B	Data Sharing-ReadProperty-B		•
DS-WP-B	Data Sharing-WriteProperty-B		•
DS-RPM-B	Data Sharing-ReadPropertyMultiple-B		•
DS-WPM-B	Data Sharing-WritePropertyMultiple-B		•
SCHED-I-B	Scheduling-Internal-B		•
DM-DDB-B	Device Management-DynamicDeviceBinding-B		•
DM-DOB-B	Device Management-DynamicObjectBinding-B		•
DM-DCC-B	Device Management-DeviceCommunicationControl-B		•
DM-UTC-B	Device Management-UTCTimeSynchronization-B		•

### Standard Object Types Supported

<b>Object Type</b>	<b>Optional Properties Supported</b>	<b>Writable Properties</b>	<b>Creatable / Deletable</b>	<b>Range Restrictions</b>
Device	Local_Time, Local_Date, UTC_Offset, Daylight_Savings_Status, Max_Master	Object_Identifier, Object_Name, UTC_Offset, Daylight_Savings_Status, Max_Master	No / No	None
Analog Input	Reliability, Max_Pres_Value, COV_Increment	Object_Name, Out_Of_Service, Present_Value, Max_Pres_Value	No / No	None
Analog Output	None	Object_Name, Present_Value, Min_Pres_Value, Max_Pres_Value	No / No	None
Multi-state Value	None	Object_Name, Out_Of_Service, Present_Value	No / No	None
Binary Input	Reliability	Object_Name	No / No	None

<b>Object Type</b>	<b>Optional Properties Supported</b>	<b>Writable Properties</b>	<b>Creatable / Deletable</b>	<b>Range Restrictions</b>
Schedule	Weekly_Schedule	Weekly_Schedule, Priority_For_Writing, Schedule_Default, List_Of_Object_Property_References, Effective_Period	No / No	None

### Standard Object List

<b>Object Type</b>	<b>Instance Numbers</b>	<b>Description</b>
Analog Input	0	Motor position of shade
Analog Output	0	Commandable Extent position of shade
	100	Commandable Tilt position of shade
Multi-state Value	0-5	Reserved for use by Embedia
	100-105	
	300,301	
Binary Input	0	Represents the current detection state for the motor
Schedule	0-3	Schedules can only be applied to local properties

### Data Link Layer Options

BACnet/ZigBee Data Link Layer (BZLL), Addendum q to ANSI/ASHRAE Standard 135-2008
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### Segmentation Capability

Segmented requests and responses are not supported.
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