

# **EZ2 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)	EZ2 Controller	1312001	N/A	2.0-9.x	135-2008

## Vendor Information

Embedia Technologies Corp.  
 Box 51027 Beddington RPO  
 Calgary, AB, CANADA  
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## Product Description

The EZ2 Controller is a two motor controller designed specifically for the control of motorized shades. It is compatible with roller, Venetian and louvre style shading products. In addition to controlling two shades, each controller is capable of accepting six contact closure inputs. The EZ2 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 Input	None	Object_Name	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 1
	1	Motor position of shade 2
Analog Output	0	Commandable Extent position of shade 1
	1	Commandable Extent position of shade 2
	100	Commandable Tilt position of shade 1
	101	Commandable Tilt position of shade 2
Multi-state Input	100-105	Once commissioned, represents the state of a switch connected to the controller.
Multi-state Value	0-5	Reserved for use by Embedia
	100-105	
	300,301	
Binary Input	0,1	Represents the current detection state for motor 1,2
	100-105	Represents the state of the 6 contact closure inputs.
Schedule	0-7	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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