

# **ControlPoint-Mesh (CP-Z)**

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

---



## 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>
October 1, 2013	Embedia Technologies Corp. (VIN 252)	ControlPoint-Mesh	131001	N/A	8.0-9.x	135-2008

## Vendor Information

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

## Product Description

The Embedia ControlPoint is a multipurpose device that provides interfaces to other control systems. It supports 5 analog inputs and 3 contact closure outputs.

## BACnet Standardized Device Profile

BACnet Application Specific Controller (B-ASC)

## Supported BACnet Interoperability Building Blocks (BIBBs)

<i>BIBB</i>	<i>Name</i>	<i>Initiate</i>	<i>Execute</i>
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		•
DM-DDB-B	Device Management-DynamicDeviceBinding-B		•
DM-DOB-B	Device Management-DynamicObjectBinding-B		•
DM-DCC-B	Device Management-DeviceCommunicationControl-B		•

<i><b>BIBB</b></i>	<i><b>Name</b></i>	<i><b>Initiate</b></i>	<i><b>Execute</b></i>
DM-UTC-B	Device Management-UTCTimeSynchronization-B		•

### Standard Object Types Supported

<i><b>Object Type</b></i>	<i><b>Optional Properties Supported</b></i>	<i><b>Writable Properties</b></i>	<i><b>Creatable / Deletable</b></i>	<i><b>Range Restrictions</b></i>
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, Min_Pres_Value, Max_Pres_Value, COV_Increment	Object_Name, Out_Of_Service, Present_Value, Units, Min_Pres_Value, Max_Pres_Value, COV_Increment	No / No	None
Multi-state Input	None	Object_Name, Out_Of_Service, Present_Value	No / No	None
Multi-state Value	None	Object_Name, Out_Of_Service, Present_Value	No / No	None
Analog Output	None	Object_Name, Present_Value, Min_Pres_Value, Max_Pres_Value	No / No	None

### Standard Object List

<i><b>Object Type</b></i>	<i><b>Instance Numbers</b></i>	<i><b>Description</b></i>
Analog Input	0-4	Represents a sensor reading on the ControlPoint. Each object represents one of the 5 inputs, going from left to right across the top of the controller.
Multi-state Input	0-4	Represents a sensor level. The thresholds and mapping to sensors are set by Embedia during commissioning.
Multi-state Input	300-303	Multipurpose objects that can represent various states of the system. The function of these are determined during commissioning.

<b>Object Type</b>	<b>Instance Numbers</b>	<b>Description</b>
Multi-state Value	0-2	Objects used to control the 3 contact closure outputs. The response of the contact closures to different levels is determined during commissioning.
Analog Output	0-127	Cached extent position of up to 128 shades on the ZigBee network.

### **Data Link Layer Options**

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

### **Gateway Options**

Modbus ASCII

### **Segmentation Capability**

Segmented requests and responses are not supported.