

Protocol Implementation Conformance Statement (PICS)

Date: June 10, 2011
Vendor Name: Phoenix Controls
Product Name: Advanced Pressure Monitor
Product Model Numbers: APM2xx-ENG-BAC
Software/Firmware Version: 2.27 / 1.17
BACnet Protocol Revision: 4.0
Product Description: The Advanced Pressure Monitor II (APM2) accurately measures and indicates true pressure differential between two or three rooms in a building for the purpose of ensuring integrity of ventilation and airflow, presenting room status and measured values on a large LCD touch-screen display.

BACnet Standardized Device Profile (Annex L)	
BACnet Operator Work Station (B-OWS)	<input type="checkbox"/>
BACnet Building Controller (B-BC)	<input type="checkbox"/>
BACnet Advanced Application Controller (B-AAC)	<input type="checkbox"/>
BACnet Application Specific Controller (B-ASC)	<input checked="" type="checkbox"/>
BACnet Smart Sensor (B-SS)	<input type="checkbox"/>
BACnet Smart Actuator (B-SA)	<input type="checkbox"/>

Supported BACnet Interoperability Building Blocks (BIBBs) (Annex K)			
DS-RP-A	DM-DOB-B	AE-N-I-B	DM-UTC-B
DS-RP-B	DM-DCC-B	AE-INFO-B	
DS-RPM-B	DM-TS-B		
DS-WPM-B	DM-RD-B		
DS-WP-A	DM-DDB-A		
DS-WP-B	DM-DDB-B		

Standard Object Types Supported					
Object Type	Supported	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Min Present Value Max Present Value Resolution	Object Name Description
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description	Object Name Present Value ¹ Description
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Inactive Text Active Text	Object Name Description Inactive Text Active Text

Standard Object Types Supported					
Object Type	Supported	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Inactive Text Active Text	Object Name Present Value ² Description Inactive Text Active Text
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location Description Local Time Local Date Max Master Max Info Frames Daylight Savings Status UTC Offset	Object Name Location Description Daylight Savings Status UTC Offset
Event Enrollment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description	Object Name Description Event Enable
Multi-State Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Reliability State Text	Object Name Description
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description State Text	Object Name Present Value ³ Description
Notification Class	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description	Object Name Description Priority Recipient List
Proprietary Character String Value Object	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	Object Name Present Value ⁴
Table Notes: 1. Instance 1, 2, 5, 15, 16, 29, 30, 35, 40, 41, 42, 43, 46, 47, 48, 49, 50, 51, 52, 53, and 54 are not writable. 2. Instance 1 and 7 are not writable. 3. Instance 1, 4, 6, 7, 8, 9, 10, 12, 17, 18, 19, 20, 22, 23, 24, 25, 26, and 28 are not writable. 4. Instance 7, 8, 9, 10, and 11 are not writable.					

Data Link Layer Options			
BACnet IP (Annex J)	<input type="checkbox"/>	MS/TP slave (Clause 9)	<input type="checkbox"/>
BACnet IP (Annex J Foreign Device)	<input type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10)	<input type="checkbox"/>
ISO8802-3 Ethernet (Clause 7)	<input type="checkbox"/>	Point-To-Point, modem (Clause 10)	<input type="checkbox"/>
ATA 878.1, 2.5Mb ARCNET (Clause 8)	<input type="checkbox"/>	LonTalk (Clause 11), medium	<input type="checkbox"/>
ATA 878.1, EIA-485 ARCNET (Clause 8)	<input type="checkbox"/>	Other	<input type="checkbox"/>
MS/TP master (Clause 9) baud rate: 9600, 19200, 38400, 76800	<input checked="" type="checkbox"/>		

Segmentation Capability				
Segmented Requests Supported	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Window Size	
Segmented Responses Supported	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Window Size	

Networking Options		
Router, Clause 6	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Annex H, BACnet tunneling router over IP	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
BACnet/IP Broadcast Management Device (BBMD)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
BBMDs support registrations by Foreign Devices	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Character Sets Supported			
ANSI X3.4	<input checked="" type="checkbox"/>	ISO 10646 (UCS-4)	<input type="checkbox"/>
IBM™/Microsoft™ DBCS	<input type="checkbox"/>	ISO 10646 (UCS-2)	<input type="checkbox"/>
JIS C 6226	<input type="checkbox"/>	ISO 8859-1	<input type="checkbox"/>
Note: Indicating support for multiple character sets does not imply that they can all be supported simultaneously.			

If this product is a communication gateway, describe the types of non-BACnet equipment/networks supported: N/A