

## Protocol Implementation Conformance Statement (PICS)

**Date:** November 10, 2010  
**Vendor Name:** Phoenix Controls  
**Product Name:** PTC Communicating Thermostat  
**Product Model Numbers:** PTC101  
**Software/Firmware Version:** 2.5  
**BACnet Protocol Revision:** 2 (135-2001)  
**Product Description:** PTC Series Thermostats are specifically designed for room applications where constant volume valves are used and there is a need for local hydronic reheat control. The product features a backlit LCD display with dedicated function menu keys for simple operation. All models contain a Single Pole, Single Throw (SPST) auxiliary switch that can be used to control lighting or auxiliary reheat. The thermostats are also compatible with a Passive Infrared (PIR) cover.

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-B	DS-WP-B	DM-DDB-B	DM-DCC-B
DS-RPM-B		DM-DOB-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"/>	Reliability	Out of Service
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reliability	Present Value <sup>1,2</sup> Out of Service <sup>1</sup> Object Name <sup>3</sup>
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reliability InactiveText Active Text	Out of Service
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reliability InactiveText Active Text	Present Value Out of Service
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Max Master Max Info Frames	Object Identifier Object Name Max Master

Standard Object Types Supported					
Object Type	Supported	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
Group	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	N/A
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reliability States Text	Present Value <sup>4.</sup> Out of Service <sup>4.</sup>

Table Notes:

1. Present Value and Out of Service properties are writable for AV objects except PI Heating Demand (AV21) and PI Cooling Demand (AV22).
2. The Present Value property for Room Temperature (AV7) is writable only if Room Temp Override (BV8) is enabled.
3. The Object Name property is only writable for Room Temperature (AV7).
4. Present Value and Out of Service properties are writable for MV objects except Heating Valve Status (MV26) and Cooling Valve Status (MV27).

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 (AutoBaud)	<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