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## BACnet™ Protocol Implementation Conformance Statement

**Vendor Name:** Prolon  
**Product Name:** PL-M2000-HP Heatpump controller  
**Description:** The PL-M2000-HP is a programmable heatpump controller that can communicate using Modbus or BACnet MS/TP protocols.

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### PICS BACnet Device Profile Conformance

<b>B-SS</b>	<b>Complete</b>
<b>B-SA</b>	<b>Complete</b>
<b>B-ASC</b>	<b>Complete</b>
<b>B-AAC</b>	<b>Partial</b>
<b>B-BC</b>	<b>Partial</b>
<b>B-OWS</b>	<b>Partial</b>

### PICS BACnet Standard Application Services Supported

<b>Application Service</b>	<b>Initiates Request</b>	<b>Executes Request</b>
ReadProperty	No	Yes
ReadPropertyMultiple	No	Yes
WriteProperty	No	Yes
WritePropertyMultiple	No	Yes
DeviceCommunicationControl	No	Yes
ReinitializeDevice	No	Yes
WhoIs	No	Yes
IAM	Yes	No
WhoHas	No	Yes
IHave	Yes	No
ConfirmedPrivateTransfer	Yes	Yes
UnconfirmedPrivateTransfer	Yes	Yes
TimeSynchronization	No	Yes

## PICS Standard Object Types Supported

Object Type	Dynamically Creatable	Dynamically Deletable	Writable	Datatype Range Restrictions
Analog Value	No	No	Yes	None
Binary Value	No	No	Yes	None
Multi-State Value	No	No	Yes	None
Schedule	No	No	Yes	None
Calendar	No	No	Yes	None
Device	N/A	N/A	Yes	N/A

## Optional Properties Supported for Object Types

Object Type	Optional Properties Supported
Device	Location
Device	Local_Time
Device	Local_Date
Device	UTC_Offset
Device	Daylight_Savings_Status

## Optionally Writable Properties that Support Writing

Object Type	Optional Writable Properties Supported
Device	Location
Device	Max_Master
Device	UTC_Offset

## Message Capabilities

Feature	Supported	Window Size
Segmented Request	No	N/A
Segmented Response	No	N/A

## Maximum APDU Length

Maximum APDU Length accepted	214 octets
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### PICS Data Link Layer Option

BACnet MS/TP master Baudrates: 9600, 19200, 38400, 57600, 76800 Stop Bits: 1 or 2 stop bits Parity: Even, odd or no parity	Yes
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### PICS Character Sets Supported

ANSI X3.4	Yes
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### BIBBs Compatibility (BACnet Interoperability Building Blocks)

Service Types	BIBBs
Data Sharing	DS-RP-B
	DS-RPM-B
	DS-WP-B
	DS-WPM-B
Alarm and Event Management	N/A
Scheduling	SCHED-I-B
Trending	N/A
Device and Network Management	DM-RD-B
	DM-DDB-B
	DM-DOB-B
	DM-DCC-B
	DM-PT-A
	DM-PT-B
	DM-TS-B

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