

# BACnet Protocol Implementation Conformance Statement

## BACNET FIXED FUNCTION THERMOSTAT

### PRODUCT DESCRIPTION

Honeywell's BACnet® Fixed Function Thermostat, BACnet FF, is a configurable device with 19 pre-loaded applications. The thermostat is a communicating, intelligent sensor-controller combination with built-in temperature and humidity sensors used to control applications such as roof top units, fan-coil units and heat pumps. The thermostat communicates over an MS/TP LAN so it operates as a fully-functioning BACnet controller and easily integrates with the building automation system. The two available models are TB3026B and TB3026B-W, which includes a wireless sensor option.

**Table 1. BACnet Standardized Device Profile (Annex L).**

✓	Description
	BACnet Advanced Workstation (B-AWS)
	BACnet Operator Workstation (B-OWS)
	BACnet Operator Display (B-OD)
	BACnet Building Controller (B-BC)
	BACnet Advanced Application Controller (B-AAC)
✓	BACnet Application Specific Controller (B-ASC)
	BACnet Smart Sensor (B-SS)
	BACnet Smart Actuator (B-SA)

**Table 2. List all BACnet Interoperability Building Blocks Supported (see Annex K).**

DS-RP-A,B	SCHED-I-B	DM-DDB-A,B
DS-RPM-B		DM-DOB-B
DS-WP-A,B		DM-DCC-B
DS-WPM-B		DM-PT-A,B
		DM-TS-B
		DM-UTC-B
		DM-RD-B

**Table 3. Segmentation Capability.**

✓	Description	
	Able to transmit segmented messages	Window Size: _____
	Able to receive segmented messages	Window Size: _____

**Table 4. Standard Object Types Supported.**

Device		
Dynamically Creatable:	No	
Dynamically Deletable:	No	



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Optional Properties Supported:	Location	
	Description	
	Local_Time	
	Local_Date	
	Daylight_Saving_Status	
	UTC_Offset	
	Max_Master	
	MAX_Info_Frames	
Writable Properties:	Object_Name	Limit: 30 Characters
	Location	Limit: 30 Characters
	Description	Limit: 30 Characters
	UTC_Offset	Range: -780...780
	APDU_Timeout	Range: 1000...60000
	Number_Of_APDU_Retries	Range: 0...16
	MAX_Info_Frames	Range: 1...60
Proprietary Properties:	aler-devinfo (512)	Datatype: Octet String
		Purpose: Diagnostics.
<b>Analog Input</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Description	Limit: 30 Characters
Proprietary Properties:	n/a	
<b>Analog Output</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	Range: 0...102.4
	Description	Limit: 30 Characters
Proprietary Properties:	n/a	
<b>Analog Value</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	Range: REAL
	Description	Limit: 30 Characters
Proprietary Properties:	n/a	
<b>Binary Input</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Description	Limit: 30 Characters
Proprietary Properties:	n/a	
<b>Binary Output</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	
	Description	Limit: 30 Characters
Proprietary Properties:	n/a	

<b>Binary Value</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
	Priority_Array	(only on BV40)
	Relinquish_Default	(only on BV40)
Writable Properties:	Present_Value	
	Description	Limit: 30 Characters
	Relinquish_Default	
Proprietary Properties:	n/a	
<b>Calendar</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Date_List	
Proprietary Properties:	n/a	
<b>Multistate Value</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	State_Text	
Writable Properties:	Present_Value	Limit: Preset Values
Proprietary Properties:	n/a	
<b>File</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	n/a	
Proprietary Properties:	n/a	
<b>Program</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
	Reason_for_Halt	
	Description_of_Halt	
	Program_Location	
	Instance_of	
Writable Properties:	Program_Change	
Proprietary Properties:	n/a	
<b>Schedule</b>		
Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
	Weekly_Schedule Exception-Schedule	
Writable Properties:	Weekly_Schedule Priority-for-Writing	
Proprietary Properties:	n/a	

**Table 5. Data Link Layer Options.**

✓	Options
	BACnet IP, (Annex J)
	BACnet IP, (Annex J), Foreign Device
	ISO 8802-3, Ethernet (Clause 7)
	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
	ANSI/ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s) _____
✓	MS/TP master (Clause 9), baud rate(s): 9.6K, 19.2K, 38.4K, 76.8K, 115.2K
	MS/TP slave (Clause 9), baud rate(s):
	Point-To-Point, EIA 232 (Clause 10), baud rate(s):
	Point-To-Point, modem, (Clause 10), baud rate(s):
	LonTalk, (Clause 11), medium: _____
	Other:

**Device Address Binding**

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.) Yes  No

**Table 6. Networking Options.**

✓	Description
	Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
	BACnet IP to/from Ethernet
	BACnet IP to/from MS/TP
	Ethernet to/from MS/TP
	Annex H, BACnet Tunneling Router over IP
	BACnet/IP Broadcast Management Device (BBMD)
	Does the BBMD support registrations by Foreign Devices?

**Character Sets Supported**

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

✓	Character Set	✓	Character Set	✓	Character Set
✓	ANSI X3.4		IBM /Microsoft DBCS		ISO 8859-1
	ISO 10646 (UCS-2)		ISO 10646 (UCS-4)		JIS C 6226

**If this product is a communication gateway, describe the types of non-BACnet equipment/network(s) that the gateway supports:**

Not a gateway

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Honeywell International Inc.  
 1985 Douglas Drive North  
 Golden Valley, MN 55422  
 customer.honeywell.com



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