TEC2645-4, TEC26x6-4, TEC26x6H-4(+PIR), TEC26x7-4(+PIR), TEC262xC-0(+PIR), and TEC262xH-0(+PIR) Series Network Thermostat Controllers Protocol Implementation Conformance Statement Technical Bulletin

TEC2645-4, TEC26x6-4, TEC26x6H-4,TEC26x6H-4+PIR, TEC26x7-4(+PIR), TEC262xC-0, TEC262xC-0+PIR, TEC262xH-0, TEC262xH-0+PIR

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Refer to the QuickLIT website for the most up-to-date version of this document.

TEC2645-4, TEC26x6-4, TEC26x6H-4(+PIR), TEC26x7-4(+PIR), TEC262xC-0(+PIR), and TEC262xH-0(+PIR) Series Network Thermostat Controllers Protocol Implementation Conformance Statement

Technical Bulletin

Document Introduction

This document contains the Protocol Implementation Conformance Statement (PICS) and BACnet® Interoperability Building Blocks (BIBBs) for the Network Thermostat Controller as required by the American National Standards Institute/ American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ANSI/ASHRAE) Standard 135-2001, BACnet protocol.

The PICS is a written document created by the manufacturer of a device to identify the particular options specified in the BACnet standard and implemented in the device.

BACnet Interoperability Building Blocks are collections of one or more BACnet services. This document includes a listing of the BIBBs currently supported by the Network Thermostat Controller.

Annex A - Protocol Implementation Conformance Statement (Normative)

Table 1: BACnet Protocol Implementation Conformance Statement

Vendor Name	Johnson Controls, Inc.
Product Name	TEC2645-4, TEC26x6-4, TEC26x6H-4(+PIR), TEC26x7-4(+PIR), TEC262xC-0(+PIR), and TEC262xH-0(+PIR) Thermostat Controller Series
Product Model Numbers	TEC2645-4, TEC2616-4, TEC2616H-4, TEC2616H-4+PIR, TEC2626-4, TEC2626H-4, TEC2626H-4+PIR, TEC2636-4, TEC2636H-4, TEC2636H-4+PIR, TEC2646-4, TEC2646-4ME, TEC2646H-4, TEC2646H-4+PIR, TEC2656-4, TEC2656H-4, TEC2656H-4+PIR, TEC2627-4(+PIR), TEC2647-4(+PIR), TEC2620C-0, TEC2621C-0, TEC2620C-0+PIR, TEC2621C-0+PIR, TEC2620H-0, TEC2621H-0, TEC2620H-0+PIR, TEC2621H-0+PIR
Applications Software Version	Not Applicable
Firmware Version	**2.5.05** (TEC2645-4, TEC26x6-4, TEC26x6H-4,TEC26x6H-4+PIR, TEC26x7-4[+PIR] Series) **2.5.09** (TEC262xC-0, TEC262xC-0+PIR, TEC262xH-0, TEC262xH-0[+PIR] Series)
BACnet Protocol Revision	Version 1, Revision 2

Product Description

The TEC2645-4, TEC26x6-4, TEC26x6H-4(+PIR), TEC26x7-4(+PIR), TEC262xC-0(+PIR), and TEC262xH-0(+PIR) Series BACnet communicating thermostat controllers are for heating and cooling equipment specifically designed to be monitored on a BACnet MS/TP network.

BACnet Standardized Device Profile (Annex L)

- ☐ **BACnet Operator Workstation (B-OWS)**
- ☐ **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)**

Note: For a complete listing of the additional BIBBs supported (Annex K), see the *Annex K - BACnet Interoperability Building Blocks (BIBBs) (Normative)* section of this document.

Segmentation Capability

☐	**Segmentation Requests Supported**	Window Size	127
☐	**Segmentation Responses Supported**	Window Size	127

Standard Object Types Supported

The following is a list of the standard object types as defined by ASHRAE. See the section in this document for the supported object type for details.

- ☒ **Analog Input**
- ☐ **Analog Output**
- ☒ **Analog Value**
- ☐ **Averaging**
- ☒ **Binary Input**
- ☐ **Binary Output**
- ☒ **Binary Value**
- ☐ **Calendar**
- ☐ **Command**
- ☒ **Device**
- ☐ **Event Enrollment**
- ☐ **File**
- ☒ **Group**
- ☐ **Life Safety Point**
- ☐ **Life Safety Zone**
- ☐ **Loop**
- ☐ **Multistate Input**
- ☐ **Multistate Output**
- ☒ **Multistate Value**
- ☐ **Notification Class**
- ☐ **Program**
- ☐ **Schedule**
- ☐ **Trend Log**

Analog Input

Table 2: Analog Input

Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
☐	☐	Reliability	Out of Service

Analog Value

Table 3: Analog Value

Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
☐	☐	Reliability	Object Name[1] Out of Service[2] Present Value[3]

1. Object Name is writable for Room Temperature (AV7) only.
2. Out of Service is writable for every Analog Value object except PI Heating Demand (AV21) and PI Cooling Demand (AV22).
3. Present Value is writable for every Analog Value object except PI Heating Demand (AV21) and PI Cooling Demand (AV22). Present_Value property for Room Temperature (AV7) and Room Humidity (AV10) is writable only if Room Temp Override (BV8) is enabled and Room Humidity Override (BV11) is enabled, respectively.

Binary Input

Table 4: Binary Input

Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
☐	☐	Active Text Inactive Text Reliability	Out of Service

Binary Value

Table 5: Binary Value

Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
☐	☐	Active Text Inactive Text Reliability	Out of Service Present Value

Device

Table 6: Device

Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
☐	☐	Max Info Frames Max Manager	Max Manager Object Identifier Object Name

Group

Table 7: Group

Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
☐	☐	N/A	N/A

Multistate Value

Table 8: Multistate Value

Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
☐	☐	Reliability States Text	Out of Service[1] Present Value[2]

1. For TEC26x6-4, TEC26x6H-4(+PIR), TEC2645-4, TEC2620x-0(+PIR), and TEC2621x-0(+PIR), Out of Service is writable for every Multistate Value object except Heating Valve Status (MSV26), Cooling Valve Status (MSV27), and Fan Status (MSV28). For TEC26x7-4(+PIR), Out of Service is writable for every Multistate Value object except Heating Valve Status (MSV26), Cooling Valve Status (MSV27), Fan Status (MSV28), and Effective Occupancy (MSV33). For the TEC2620x-0(+PIR) and TEC2621x-0(+PIR), Heating Valve Status (MSV26) and Cooling Valve Status (MSV27) are not applicable.
2. For TEC26x6-4, TEC26x6H-4(+PIR), and TEC2645-4, Present Value is writable for every Multistate Value object except Heating Valve Status (MSV26), Cooling Valve Status (MSV27), and Fan Status (MSV28).
   For TEC26x7-4(+PIR), Present Value is writable for every Multistate Value object except Heating Valve Status (MSV26), Cooling Valve Status (MSV27), Fan Status (MSV28), and Effective Occupancy (MSV33). For the TEC2620x-0(+PIR) and TEC2621x-0(+PIR), Heating Valve Status (MSV26) and Cooling Valve Status (MSV27) are not applicable.

Data Link Layer Option

☐	BACnet Internet Protocol (IP) (Annex J)	
☐	BACnet IP (Annex J), Foreign Device	
☐	ISO 8802-3, Ethernet (Clause 7)	
☐	ANSI/ATA 878.1, 2.5 MB ARCNET network (Clause 8)	
☐	ANSI/ATA 878.1, RS-485 ARCNET network (Clause 8), baud rates:	_____
☒	MS/TP manager (Clause 9), baud rates:	9600; 19,200; 38,400; 76,800 (auto-detect)
☐	MS/TP subordinate (Clause 9), baud rates:	_____
☐	Point-To-Point, EIA 232 (Clause 10), baud rates:	_____
☐	Point-To-Point, modem (Clause 10), baud rates:	_____
☐	LonTalk® protocol (Clause 11), medium:	_____
☐	Other:	_____

Device Address Binding

☐ Yes ☒ No **Is static device binding supported?** (required for two-way communication between MS/TP subordinates and other devices)

Networking Options

☐ Router, Clause 6: _____

☐ Annex H, BACnet Tunneling Router over IP

☐ BACnet/IP Broadcast Management Device (BBMD)

Does the BBMD support registrations by Foreign Devices? ☐ Yes ☐ No

Character Sets Supported

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

☒ ANSI X3.4

☐ IBM®/Microsoft® Double-Byte Character Set (DBCS)

☐ ISO 8859-1

☐ ISO 10646 Universal Character Set-2 (UCS-2)

☐ ISO 10646 (UCS-4)

☐ Japanese Industrial Standard (JIS) C 6226

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

_____

_____

_____

_____

_____

Objects Table

Table 9: Objects Table (Part 1 of 4)

Object Name	Type and Instance	Object Property	Thermostat Controller Parameter																
			TEC2627-4(+PIR)	TEC2647-4(+PIR)	TEC2616-4	TEC2616H-4(+PIR)	TEC2626-4	TEC2626H-4(+PIR)	TEC2636-4	TEC2636H-4(+PIR)	TEC2646-4	TEC2646H-4(+PIR)	TEC2656-4	TEC2656H-4(+PIR)	TEC2645-4	TEC2620C-0(+PIR)	TEC2621C-0(+PIR)	TEC2620H-0(+PIR)	TEC2621H-0(+PIR)
TEC26MM-AAA **MM: last two digits of model number**	Device 7xbbb[1]	Model_Name (R)	Thermostat controller model number: TEC2645, TEC26x6, TEC26x6H(+PIR), TEC26x7(+PIR), TEC2620C-0(+PIR), TEC2620H-0(+PIR), TEC2621C-0(+PIIR), TEC2621H-0(+PIR)																
AAA: address of device on MS/TP network (from 4 to 127)	bbb: address of device on MS/TP network (from 004 to 127)	Application_Software_Version (R)	Thermostat controller version																
		Object_Identifier (R,W)	Unique ID number of a device on a network																
		Object_Name (R,W)	Unique name of a device on a network																
		Max_Manager (R,W)	Maximum manager devices allowed to be part of the network																
Room Temperature	AV 7	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Room Temp Override	BV 8	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Table 9: Objects Table (Part 2 of 4)

Object Name	Type and Instance	Object Property	Thermostat Controller Parameter																
			TEC2627-4(+PIR)	TEC2647-4(+PIR)	TEC2616-4	TEC2616H-4(+PIR)	TEC2626-4	TEC2626H-4(+PIR)	TEC2636-4	TEC2636H-4(+PIR)	TEC2646-4	TEC2646H-4(+PIR)	TEC2656-4	TEC2656H-4(+PIR)	TEC2645-4	TEC2620C-0(+PIR)	TEC2621C-0(+PIR)	TEC2620H-0(+PIR)	TEC2621H-0(+PIR)
Outdoor Temperature	AV 9	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Room Humidity	AV 10	Present_Value (R,W)							X	X			X	X				X	X
Room Humidity Override	BV 11	Present_Value (R,W)							X	X			X	X				X	X
Supply Temperature	AI 12	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dehumidification Lockout	BV 13	Present_Value (R,W)							X	X			X	X				X	X
AUX Command	BV 14	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X				
Sequence of Operation	MSV 15	Present_Value (R, W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
System Mode	MSV 16	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fan Mode	MSV 17	Present_Value (R,W)			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Occupancy Command	MSV 18	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Keypad Lockout	MSV 19	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Control Output	GRP 20	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PI Heating Demand	AV 21	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PI Cooling Demand	AV 22	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dehumidification Status	BI 23	Present_Value (R)							X	X			X	X				X	X
Controller Status	GRP 24	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AUX Status	BI 25	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X				
Heating Valve Status	MSV 26	Present_Value (R)	X		X	X	X	X	X	X									
Cooling Valve Status	MSV 27	Present_Value (R)	X		X	X	X	X	X	X									
Fan Status	MSV 28	Present_Value (R)			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BI 1 Status	BI 29	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BI 2 Status	BI 30	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UI 3 Status	BI 31	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X				
Local Motion	BI 32	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Effective Occupancy	MSV 33	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Controller Alarms	GRP 34	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Window Alarm	BI 35	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Filter Alarm	BI 36	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Service Alarm	BI 37	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Temperature Setpoints	GRP 38	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Occupied Heat Setpoint	AV 39	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Table 9: Objects Table (Part 3 of 4)

Object Name	Type and Instance	Object Property	Thermostat Controller Parameter																
			TEC2627-4(+PIR)	TEC2647-4(+PIR)	TEC2616-4	TEC2616H-4(+PIR)	TEC2626-4	TEC2626H-4(+PIR)	TEC2636-4	TEC2636H-4(+PIR)	TEC2646-4	TEC2646H-4(+PIR)	TEC2656-4	TEC2656H-4(+PIR)	TEC2645-4	TEC2620C-0(+PIR)	TEC2621C-0(+PIR)	TEC2620H-0(+PIR)	TEC2621H-0(+PIR)
Occupied Cool Setpoint	AV 40	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Stand-by Heat Setpoint	AV 41	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Stand-by Cool Setpoint	AV 42	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Unoccupied Heat Setpoint	AV 43	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Unoccupied Cool Setpoint	AV 44	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
General Options 1	GRP 45	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BI 1 Configuration	MSV 46	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BI 2 Configuration	MSV 47	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UI 3 Configuration	MSV 48	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X				
Menu Scroll	BV 49	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Auto Mode Enable	BV 50	Present_Value (R,W)			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Temperature Scale	BV 51	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pipe Number	MSV 52	Present_Value (R,W)			X	X	X	X	X	X	X	X	X	X		X	X	X	X
Out#1 Config	MSV 53	Present_Value (R,W)	X	X															
AUX Configuration	MSV 54	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X				
General Options 2	GRP 55	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Password Value	AV 56	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fan Mode Sequence	MSV 57	Present_Value (R,W)			X	X	X	X	X	X	X	X	X	X		X	X	X	X
Heating Setpoint Limit	AV 58	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cooling Setpoint Limit	AV 59	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Setpoint Type	BV 60	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Setpoint Function	BV 61	Present_Value (R,W)			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Temporary Occupancy Time	MSV 62	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Deadband	AV 63	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Reheat Time Base	BV 64	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X				
Proportional Band	MSV 65	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Auto Fan	BV 66	Present_Value (R,W)			X	X	X	X	X	X	X	X	X	X		X	X	X	X
Stand-by Time	AV 67	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Unoccupied Time	AV 68	Present_Value (R,W)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Table 9: Objects Table (Part 4 of 4)

Object Name	Type and Instance	Object Property	Thermostat Controller Parameter																
			TEC2627-4(+PIR)	TEC2647-4(+PIR)	TEC2616-4	TEC2616H-4(+PIR)	TEC2626-4	TEC2626H-4(+PIR)	TEC2636-4	TEC2636H-4(+PIR)	TEC2646-4	TEC2646H-4(+PIR)	TEC2656-4	TEC2656H-4(+PIR)	TEC2645-4	TEC2620C-0(+PIR)	TEC2621C-0(+PIR)	TEC2620H-0(+PIR)	TEC2621H-0(+PIR)
Humidity Models Configuration Options	GRP 69	Present_Value (R)							X	X			X	X				X	X
Relative Humidity (RH) Display	BV 70	Present_Value (R,W)							X	X			X	X				X	X
RH Setpoint	AV 71	Present_Value (R,W)							X	X			X	X				X	X
Dehumidification Hysteresis	AV 72	Present_Value (R,W)							X	X			X	X				X	X
Dehumidification Max Cooling	AV 73	Present_Value (R,W)							X	X			X	X				X	X
Output Configuration Options	GRP 74	Present_Value (R)	X	X	X	X	X	X	X	X	X	X	X	X	X				
Control Type	BV 75	Present_Value (R,W)	X				X	X	X	X									
Floating Motor Timing	MSV 76	Present_Value (R,W)	X				X	X	X	X									
On Off Control CPH	MSV 77	Present_Value (R,W)	X		X	X	X	X	X	X									
Direct Reverse Acting	BV 78	Present_Value (R,W)		X							X	X	X	X	X				
VTR Models Configuration Options and Status	GRP 81	Present_Value (R)														X	X	X	X
RUI 1 Configuration	MSV 82	Present_Value (R,W)														X	X	X	X
RBI 2 Configuration	MSV 83	Present_Value (R,W)														X	X	X	X
Heat CPH	MSV 84	Present_Value (R,W)														X	X	X	X
Cool CPH	MSV 85	Present_Value (R,W)														X	X	X	X
Heat NO NC	BV 86	Present_Value (R,W)														X	X	X	X
Cool NO NC	BV 87	Present_Value (R,W)														X	X	X	X
Heat Demand Limit	AV 88	Present_Value (R,W)														X	X	X	X
Cool Demand Limit	AV 89	Present_Value (R,W)														X	X	X	X
Pulsed Heat	MSV 90	Present_Value (R,W)														X	X	X	X
RUI 1 Status	BI 91	Present_Value (R)														X	X	X	X
RBI 2 Status	BI 92	Present_Value (R)														X	X	X	X
Output 1 Status	BI 93	Present_Value (R)														X	X	X	X
Output 2 Status	BI 94	Present_Value (R)														X	X	X	X
Fan Control	MSV 95	Present_Value (R,W)														X	X	X	X

1. In the current TEC2600 Series models, when x = 2, the 72bbb models refer to TEC26x7; when x = 3, the 73bbb models refer to TEC2645, TEC26x6(H), TEC2620(C/H), and TEC2621(C/H).

Annex K - BACnet Interoperability Building Blocks (BIBBs) (Normative)

Table 10 lists all the BIBBs which, per ANSI/ASHRAE Standard 135-2001, could be supported by a BACnet Application Specific Controller (B-ASC). The checked BIBBs are supported by the TEC2645-4, TEC26x6-4, TEC26x6H-4(+PIR), TEC26x7-4(+PIR), TEC2620C-0(+PIR), TEC2620H-0(+PIR), TEC2621C-0(+PIR), and TEC2621H-0(+PIR) Series Thermostat Controllers.

Table 10: BACnet Application Specific Controller BIBBs Support

Application Service (B-ASC)	Designation	Supported
Data Sharing - Read Property - B	DS-RP-B	☒
Data Sharing - Read Property Multiple - B	DS-RPM-B	☒
Data Sharing - Write Property - B	DS-WP-B	☒
Device Management - Dynamic Device Binding - B	DM-DDB-B	☒
Device Management - Dynamic Object Binding - B	DM-DOB-B	☒
Device Management - Device Communication Control - B	DM-DCC-B	☒

Table 11 lists all the BACnet standard application services. The checked services are supported by the TEC2645-4, TEC26x6-4, TEC26x6H-4(+PIR), TEC26x7-4(+PIR), TEC2620C-0(+PIR), TEC2620H-0(+PIR), TEC2621C-0(+PIR), and TEC2621H-0(+PIR) Series Thermostat Controllers.

Table 11: BACnet Standard Application Services Support (Part 1 of 2)

Application Service	Initiates Requests	Executes Requests
AcknowledgeAlarm	☐	☐
AddListElement	☐	☐
AtomicReadFile	☐	☐
AtomicWriteFile	☐	☐
ConfirmedCOVNotification	☐	☐
ConfirmedEventNotification	☐	☐
ConfirmedPrivateTransfer	☐	☐
ConfirmedTextMessage	☐	☐
CreateObject	☐	☐
DeleteObject	☐	☐
DeviceCommunicationControl	☐	☒
Disconnect-Connection-To-Network	☐	☐
Establish-Connection-To-Network	☐	☐
GetAlarmSummary	☐	☐
GetEnrollmentSummary	☐	☐
GetEventInformation	☐	☐

Table 11: BACnet Standard Application Services Support (Part 2 of 2)

Application Service	Initiates Requests	Executes Requests
I-Am	☒	☐
I-Am-Router-To-Network	☐	☐
I-Could-Be-Router-To-Network	☐	☐
I-Have	☒	☐
Initialize-Routing-Table	☐	☐
Initialize-Routing-Table-Ack	☐	☐
LifeSafetyOperation	☐	☐
ReadProperty	☐	☒
ReadPropertyConditional	☐	☐
ReadPropertyMultiple	☐	☒
ReadRange	☐	☐
ReinitializeDevice	☐	☐
RemoveListElement	☐	☐
SubscribeCOV	☐	☐
SubscribeCOVProperty	☐	☐
TimeSynchronization	☐	☐
UnconfirmedCOVNotification	☐	☐
UnconfirmedEventNotification	☐	☐
UnconfirmedPrivateTransfer	☐	☐
UnconfirmedTextMessage	☐	☐
UTCTimeSynchronization	☐	☐
VT-Close	☐	☐
VT-Data	☐	☐
VT-Open	☐	☐
Who-Has	☐	☒
Who-Is	☐	☒
Who-Is-Router-To-Network	☐	☐
WriteProperty	☐	☒
WritePropertyMultiple	☐	☐

Johnson Controls

Building Efficiency
507 E. Michigan Street, Milwaukee, WI 53202