

BACnet Protocol Implementation Conformance Statement

Products

Product	Model Number	Protocol Revision	Software Version	Firmware Version
BACnet Terminal Equipment Controller (BTEC)	550-789A	135-2001b	1.2	BF10 1.0
	550-790A	135-2001b	1.2	BM10 1.0

Date Tested: August 2005 – B-ASC

Vendor Information

Siemens Building Technologies
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Buffalo Grove, IL 60089
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Product Description

The Terminal Equipment Controller is an integral part of an APOGEE® Automation System. The Terminal Equipment Controller can operate stand-alone or can be networked to perform complex HVAC control, monitoring, and energy management functions. This controller communicates with the Siemens Building Technologies APOGEE® Automation System using BACnet MS/TP.

BACnet Standardized Device Profile

Product	Device Profile	Tested
BTEC	BACnet Application Specific Controller (B-ASC)	✓

Supported BIBBs

Product	Supported BIBBs	BIBB Name	Tested
BTEC	DS-RP-B	Data Sharing-ReadProperty-B	✓
	DS-RPM-B	Data Sharing-ReadPropertyMultiple-B	✓
	DS-WP-B	Data Sharing-WriteProperty-B	✓
	DM-DDB-B	Device Management-DynamicDeviceBinding-B	✓
	DM-DOB-B	Device Management-DynamicObjectBinding-B	✓
	DM-DDC-B	Device Management-DeviceCommunicationControl-B	✓

Standard Object Types Supported

Product	Object Type	Creatable	Deletable
BTEC	Analog Input	No	No
	Analog Output	No	No
	Binary Input	No	No
	Binary Output	No	No
	Device	No	No

Data Link Layer Options

Product	Data Link	Options
BTEC	MS/TP Master	9600, 19200, 38400, 76800
	MS/TP Slave	9600, 19200, 38400, 76800

Segmentation Capability

Product	Segmentation Type	Supported	Window Size (MS/TP product limited to 1)
BTEC	Able to transmit segmented messages	No	
	Able to receive segmented messages	No	

Device Address Binding

Product	Static Binding Supported
BMEC	Yes

Networking Options

Product	Static Binding Supported
BTEC	No

Character Sets

Product	Character Sets supported
BTEC	ANSI X3.4