

BACnet Protocol Implementation Conformance Statement

Products

Product	Model Number	Protocol Revision	Software Version	Firmware Version
Excel Energy Manager(XEM)	SPS-S0C-111-2-G	2.0	1.0	1.0

Date Tested: July 2002

Vendor Information

Honeywell Co., Ltd.

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Product Description

This is a BACnet Application Specific Controller(B-ASC) for Building Automation Systems(BAS). The System allows direct connection Ethernet. Controls are performed by 32-bit microprocessor digital technology. The control program is saved onto a flash memory. Running data is held in Ram, but it can be supported for approximately 72 hours in case of power failure by means of a battery backup.

The Input and Output modules are : Analog Input module(AI) , Analog Output module(AO), Digital Input module(DI) and Digital Output module(DO).AI has 16 physical points. AO has 8 physical points. DI has 16 physical points. DO has 8 physical points. The XEM input and output modules can provide a total of 128 physical points. The XEM is supported distributed I/O module.

BACnet Standardized Device Profile

Product	Device Profile	Tested
Excel Energy Manager(XEM)	BACnet Application Specific Controller (B-ASC)	✓

Supported BIBBs

Product	Supported BIBBs	BIBB Name	Tested
Excel Energy Manager(XEM)	DS-RP-B	Data Sharing-ReadProperty-B	✓
	DS-RPM-B	Data Sharing-ReadPropertyMultiple-B	✓
	DS-WP-B	Data Sharing-WriteProperty-B	✓
	DS-WPM-B	Data Sharing-WritePropertyMultiple-B	✓
	DM-DDB-B	Device Management-Dynamic-Device-Binding-B	✓
	DM-DOB-B	Device Management-Dynamic-Object-Binding-B	✓

Standard Object Types Supported

Product	Object Type	Creatable	Deletable	Tested
Excel Energy Manager(XEM)	Analog Input	No	No	✓
	Analog Output	No	No	✓
	Analog Value	No	No	✓
	Binary Input	No	No	✓
	Binary Output	No	No	✓
	Binary Value	No	No	✓
	Device	No	No	✓

Data Link Layer Options

Product	Data Link	Options	Tested
Excel Energy Manager(XEM)	Ethernet (ISO 8802-3)		✓

Segmentation Capability

Product	Segmentation Type	Supported	Window Size (MS/TP product limited to 1)	Tested
Excel Energy Manager(XEM)	Able to transmit segmented messages	No		✓
	Able to receive segmented messages	No		✓

Device Address Binding

Product	Static Binding Supported	Tested
Excel Energy Manager(XEM)	No	

Character Sets

Product	Character Sets supported	Tested
Excel Energy Manager(XEM)	ANSI X3.4	✓