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BACnet Testing Labs
Product Listing

This product has been tested at the BACnet Testing Labs and found to comply with all the necessary interoperability requirements in place on the published test date. This listing represents the tested capability of the Listed Product. For information on additional functionality that was not covered in the test process, refer to the Manufacturer's PICS statement on the BMA website.

Listing Information

Vendor		Listing Status
Delta Controls 17850 – 56th Ave. Surrey, BC Canada V3S 1C7		Listed Product
Test Requirements	BACnet Protocol Revision	Date Tested
Requirements as of May 2005	135-2001b	May 2005

Product Name	Model Number	Software Version
System Controller: 16 x 16 (Base) DSC-1616	DSC-1616	3.30 Firmware
System Controller: 16 x 16 (c/w HOA Switches) DSC-1616H	DSC-1616H	3.30 Firmware
System Controller: 16 x 16 (c/w Ethernet & HOA Switches) DSC-1616E	DSC-1616E	3.30 Firmware
System Controller: 12 x 12 (Base) DSC-1212	DSC-1212	3.30 Firmware
System Controller: 12 x 12 (c/w HOA Switches) DSC-1212H	DSC-1212H	3.30 Firmware
System Controller: 12 x 12 (c/w Ethernet & HOA Switches) DSC-1212E	DSC-1212E	3.30 Firmware
System Controller: 12 x 8 (Base) DSC-1280	DSC-1280	3.30 Firmware
System Controller: 12 x 8 (c/w HOA Switches) DSC-1280H	DSC-1280H	3.30 Firmware
System Controller: 12 x 8 (c/w Ethernet & HOA Switches) DSC-1280E	DSC-1280E	3.30 Firmware
System Controller: 11 x 10 (Analog) DSC-1146	DSC-1146	3.30 Firmware
System Controller: 11 x 8 (Analog) DSC-1180	DSC-1180	3.30 Firmware

System Controller: 6 x 6 (Binary) DSC-606	DSC-606	3.30 Firmware
System Controller: 6 x 6 (Analog) DSC-633	DSC-633	3.30 Firmware
System Controller: Room DSC-T305	DSC-T305	3.30 Firmware
System Manager: Room DSM-T0	DSM-T0	3.30 Firmware
System Manager: Router DSM-RTR	DSM-RTR	3.30 Firmware
System Manager: Room Interface (Modbus Gateway) DSM-MOD	DSM-MOD	3.30 Firmware
System Controller: Room Interface (Custom Power Meter) DSM-PWR	DSM-PWR	3.30 Firmware
System Controller: Room Interface (Custom Wireless Sensors) DSM-WRL	DSM-WRL	3.30 Firmware
Access System Manager ASM-24E	ASM-24E	3.30 Firmware

Product Name	Link to PICS on BMA Website
System Controller: 16 x 16 (Base) DSC-1616	http://www.bacnetassociation.org/mfr/prod1
System Controller: 16 x 16 (c/w HOA Switches) DSC-1616H	http://www.bacnetassociation.org/mfr/prod2
System Controller: 16 x 16 (c/w Ethernet & HOA Switches) DSC-1616E	http://www.bacnetassociation.org/mfr/prod3
System Controller: 12 x 12 (Base) DSC-1212	http://www.bacnetassociation.org/mfr/prod4
System Controller: 12 x 12 (c/w HOA Switches) DSC-1212H	http://www.bacnetassociation.org/mfr/prod5
System Controller: 12 x 12 (c/w Ethernet & HOA Switches) DSC-1212E	http://www.bacnetassociation.org/mfr/prod6
System Controller: 12 x 8 (Base) DSC-1280	http://www.bacnetassociation.org/mfr/prod7
System Controller: 12 x 8 (c/w HOA Switches) DSC-1280H	http://www.bacnetassociation.org/mfr/prod8
System Controller: 12 x 8 (c/w Ethernet & HOA Switches) DSC-1280E	http://www.bacnetassociation.org/mfr/prod9
System Controller: 11 x 10 (Analog) DSC-1146	http://www.bacnetassociation.org/mfr/prod10
System Controller: 11 x 8 (Analog) DSC-1180	http://www.bacnetassociation.org/mfr/prod11
System Controller: 6 x 6 (Binary) DSC-606	http://www.bacnetassociation.org/mfr/prod12
System Controller: 6 x 6 (Analog) DSC-633	http://www.bacnetassociation.org/mfr/prod13
System Controller: Room DSC-T305	http://www.bacnetassociation.org/mfr/prod14
System Manager: Room DSM-T0	http://www.bacnetassociation.org/mfr/prod15
System Manager: Router DSM-RTR	http://www.bacnetassociation.org/mfr/prod16

System Manager: Room Interface (Modbus Gateway) DSM-MOD	http://www.bacnetassociation.org/mfr/prod36
System Controller: Room Interface (Custom Power Meter) DSM-PWR	http://www.bacnetassociation.org/mfr/prod17
System Controller: Room Interface (Custom Wireless Sensors) DSM-WRL	http://www.bacnetassociation.org/mfr/prod18
Access System Manager ASM-24E	http://www.bacnetassociation.org/mfr/prod19

Device Profiles

Profile	Model Numbers
BACnet Building Controller (B-BC)	DSC-1616, DSC-1616H, DSC-1616E DSC-1212, DSC-1212H, DSC-1212E DSC-1280, DSC-1280H, DSC-1280E DSC-1146, DSC-1180, DSC-606, DSC-633, DSC-T305, DSM-T0, DSM-RTR, DSM-PWR, DSM-WRL, ASM-24E,

BIBBs Supported

	ReadProperty-A	DS-RP-A
	ReadProperty-B	DS-RP-B
	ReadPropertyMultiple-A	DS-RPM-A
	ReadPropertyMultiple-B	DS-RPM-B
Data Sharing	WriteProperty-A	DS-WP-A
	WriteProperty-B	DS-WP-B
	WritePropertyMultiple-B	DS-WPM-B
	COV-A	DS-COV-A
	COV-B	DS-COV-B

	Notification Internal-B	AE-N-I-B
Alarm and Event Notification	ACK-B	AE-ACK-B
	Alarm Summary-B	AE-ASUM-B
	Enrollment Summary-B	AE-ESUM-B
	Information B	AE-INFO-B

Scheduling	Internal-B	SCHED-I-B
	External-B	SCHED-E-B

	Viewing and Modifying Trends Internal-B	T-VMT-I-B
Trending	Viewing and Modifying Trends External-B	T-VMT-E-B
	Automated Trend Retrieval-B	T-ATR-B

	Dynamic Device Binding-A	DM-DDB-A
	Dynamic Device Binding-B	DM-DDB-B
	Dynamic Object Binding-A	DM-DOB-A
	Dynamic Object Binding-B	DM-DOB-B
Device and Network Management	DeviceCommunicationControl-B	DM-DCC-B
	TimeSynchronization-B	DM-TS-B[1]
	UTCTimeSynchronization-B	DM-UTC-B[1]
	ReinitializeDevice-B	DM-RD-B
	Backup and Restore-B	DM-BR-B

Object Type Support

Analog Input[2]	Analog Output[3]	Analog Value
Binary Input[2]	Binary Output[2]	Binary Value
Multi-State Input	Multi-State Value	Calendar

Device	Event Enrollment	Loop
Notification Class	Program	Schedule
Trend Log		

Data Link Layer Options

Media	Options
BACnet IP (Annex J)[4]	Able to register as a Foreign Device. Supports connection directly to a BACnet/IP subnet.
Ethernet, ISO 8802-3[4]	
MS/TP master	9600,19200,38400,76800

Networking Options

Networking Functionality	Media
Router	BACnet/IP (Annex J), Ethernet, MS/TP
Annex J BBMD	Supports registration by Foreign Devices.

Character Set Support

ANSI X3.4

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[1] Based on the UTC setting in the Device object. When UTC is enabled, DM-UTC-B is supported. When UTC is disabled, DM-TS-B is supported. Dates before January 1, 2000 or after December 31, 2099 will be ignored.

[2] This functionality is not supported in the following devices: DSM-T0, DSM-RTR, DSM-PWR, DSM-WRL, ASM-24E, DLC-1212E

[3] This functionality is not supported in the following devices: DSC-606, DSM-T0, DSM-RTR, DSM-PWR, DSM-WRL, ASM-24E

[4] This functionality is only supported in the following devices: DSC-1616E, DSC-1212E, DSC-1208E, ASM-24E, DSM-RTR