Thermal Dispersion Airflow Measurement

Date:	7/7/2010	**Vendor Name:**	Ebtron Inc.
Product Name:	IAQ-200	**Application Software Version:**	1.0
Product Model Number:	400-5300	**Firmware Revision:**	1.03
Product Description: .	RH, and Temperature Measuring Device	**BACnet Protocol Revision:**	4

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)

BACnet Interoperability Building Blocks Supported (Annex K):

DS-RP-B	**DM-DDB-B**
DS-WP-B	**DM-TS-B**
DS-COV-B	**DS-UTC-B**

Segmentation Capability:
☐ Segmented requests supported   Window Size _____
☐ Segmented responses supported   Window Size _____

Standard Object Types Supported: **(See Table 1.)**

Data Link Layer 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, RS-485 ARCNET (Clause 8), baud rate(s) _____
☒ MS/TP master (Clause 9), baud rate(s): 9,600, 19,200, 38,400, 76,800.
☐ 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

Networking Options:
☐ Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
☐ 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™ DBCS   ☐ ISO 8859-1
☐ ISO 10646 (UCS-2)   ☐ ISO 10646 (UCS-4)   ☐ JIS C 6226

Gateway:
This product does not support gateway functionality for any types of non-BACnet equipment/network(s).

TABLE 1 - Standard Object Types Supported						
Object	Create Object Service	Delete Object Service	Optional Properties Supported	Writeable Properties	Proprietary Properties	Property Range Restrictions
Device	No	No	· Description · Location · Max Master · Max Info Frames · Active COV Subscriptions · Local Time · Local Date · UTC Offset · Daylight Savings	· APDU Timeout · Description · Location · Max Master · Max Info Frames · Object Identifier · Object Name · UTC Offset · Local Time · Local Data	None	None
Analog Input 1 – RH	No	No	· Description · Reliability · COV Increment	· COV Increment · Out of Service · Present Value	None	None
Analog Input 2 – Temperature	No	No	· Description · Reliability · COV Increment	· Units · COV Increment · Out of Service · Present Value	None	Units: °F or °C
Analog Value 1 – Baudrate	No	No	· Reliability	· Present Value	None	9600, 19200, 38400, 76800
Analog Value 2 – RH Gain	No	No	· Reliability	· Present Value	None	0 to 100
Analog Value 3 – Temp Gain	No	No	· Reliability	· Present Value	None	0 to 100
Analog Value 4 – RH Offset	No	No	· Reliability	· Present Value	None	-100 to 100
Analog Value 5 – Temp Offset	No	No	· Reliability	· Present Value	None	-200 to 200
Binary Value 1 – Factory RH Gain/Offset Status	No	No	· Reliability · Active Text · Inactive Text	· Present Value	None	None
Binary Value 2 - Factory Temp Gain/Offset Status	No	No	· Reliability · Active Text · Inactive Text	· Present Value	None	None

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