Date: 01-15-2013
Vendor Name: Acutherm
Product Name: Therma Fuser Diffuser
Product Model: EF-B EK-B, EL-B, ER-B
Application Software 12.20.12
Firmware Revision: 0.8.1
BACnet Protocol Revision: 9

Product Description:

Acutherm's E-series VAV diffusers provide individual temperature control to precisely match the comfort requirements of each space. The E-series provide more information about what's happening in the space than any other VAV terminal because they monitor load, supply air temperature and flow at each diffuser.

BACnet Standardized Device Profile:

☐ BACnet Operator Workstation (B-OWS)

☐ BACnet Advanced Operator Workstation (B-AWS)

☐ BACnet Operator Display (B-OD)

☐ 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)

List of all BACnet Interoperability Building Blocks Supported:

Specification	BIBB Name	Supported BIBB
K.1.2	**Data Sharing– ReadProperty-B**	**DS-RP-B**
K.1.8	**Data Sharing – WriteProperty-B**	**DS-WP-B**
K.5.2	**Device Management – Dynamic Device Binding-B**	**DM-DDB-B**
K.5.4	**Device Management – DynamicObject Binding-B**	**DM-DOB-B**
K.5.6	**Device Management – DeviceCommunicationControl-B**	**DM-DCC-B**
K.5.16	**Device Management – DynamicReinitializeDevice-B**	**DM-RD-B**

Segmentation Capability:

☐   Able to transmit segmented messages Window Size

☐   Able to receive segmented messages Window Size

Standard Object Types Supported:

Object	Create Object Service	Delete Object Service	Writeable Properties
DE Device Object	No	No	Device Instance Number Location
AI Analog Input	No	No	
AV Analog Value	No	No	Present_Value
BV Binary Value	No	No	Present_Value

Data Link Layer Options:

☐   BACnet IP, (Annex J)

☐   BACnet IP, (Annex J), Foreign Device

☐   ISO 8802-3, Ethernet (Clause 7)

☐   ATA 878.1, 2.5 Mb. ARCNET (Clause 8)

☐   ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s):

☑   MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 57600

☐   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:

☐   BACnet/ZigBee (ANNEX O)

☐   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

Does the BBMD support network address translation? ☐ Yes ☐ No

Network Security Options:

☑ Non-secure Device - is capable of operating without BACnet Network Security

☐ Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)

☐ Multiple Application-Specific Keys:

☐ Supports encryption (NS-ED BIBB)

☐ Key Server (NS-KS BIBB)

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 X 0208

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