



DELTA NVT Programmable Controller

BACnet Protocol Implementation Conformance Statement

Date: July 12, 2012
Vendor Name: Delta Electronics, Inc.
Manufacturer: Airtek International, Inc.
Product Name: BACnet Operator Display Panel
Product Model Number: NVT28U, NVT35U, NVT70P, NVT70PE
Firmware Revision: V1.11
BACnet Protocol Revision: 7

Product Description:

The NVT series is a BACnet Operator Display Panel for BACnet systems. It connects directly to the MS/TP LAN of a BACnet system and can be wall-mounted or panel-mounted. It has intuitive touch screen TFT LCD which can display animation and full-color graphics enable access to real-time data and energy management features, operator can use hand touch screen control way to query and adjust system values. The NVT series can display English, Simplified Chinese, or Traditional Chinese languages. The communications design and messaging structure of NVT series comply with ANSI/ASHRAE Standard 135-2008, BACnet. The NVT series provides a low-cost alternative to the BACnet operator terminal architecture. It is quite suitable for smaller installations and buildings where a BACnet operator terminal solution is not required. The NVT series Operator Display Panel integrates seamlessly with your BACnet system.

BACnet Standardized Device Profile (Annex L):

- 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 all BACnet Interoperability Building Blocks Supported (Annex K):

DS-RP-A	DS-RP-B	DS-RPM-A	DS-RPM-B	DS-WP-A
DS-WP-B	DS-WPM-B	DS-V-A	DS-M-A	AE-VN-A
AE-N-A	DM-DDB-A	DM-DDB-B	DM-DOB-B	DM-DCC-B
DM-ATS-A	DM-MTS-A	DM-TS-B D	M-UTC-B	DM-RD-B

Segmentation Capability:

- Segmented requests supported
- Segmented responses supported



Standard Object Types Supported:

Device Dynamically Creatable :No Dynamically Deletable :No

Optional Properties Supported: Description
Location
Local_Time
Local_Date
UTC_Offset
Daylight_Savings_Status
Max_Master
Max_Info_Frames
Last_Restore_Time
Time_Synchronization_Recipients
UTC_Time_Synchronization_Recipients
Time_Synchronization_Interval
Align_Intervals
Interval_Offset

Writable Properties: Description Limit: 128 characters
Location Limit: 128 characters
Local_Time
Local_Date
UTC_Offset Range :-780~780
Daylight_Savings_Status
Time_Synchronization_Recipients
UTC_Time_Synchronization_Recipients
Time_Synchronization_Interval
Align_Intervals
Interval_Offset

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): 76.8k, 38.4k, 19.2k, 9600 bps
- 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)

Character Sets Supported:

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- | | | |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> ISO 10646 (UTF-8) | <input type="checkbox"/> IBM/Microsoft DBCS | <input type="checkbox"/> ISO 8859-1 |
| <input type="checkbox"/> ISO 10646 (UCS-2) | <input type="checkbox"/> ISO 10646 (UCS-4) | <input type="checkbox"/> JIS X 0208 |

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports