BACnet Protocol Implementation Conformance Statement

Date: December 2006
Vendor Name: WaterFurnace International
Product Name: Johnson FX10
Product Model Number: 17P516-06
Applications Software Version: 
Firmware Revision: 5.01
BACnet Protocol Revision: Version 1 Revision 2

Product Description:

The Johnson FX10 control with optional BACnet communications module is a microprocessor-based controller designed to operate WaterFurnace liquid source heat pumps and to be integrated into BACnet building automation systems.

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)

List all BACnet Interoperability Building Blocks Supported:

<table>
<thead>
<tr>
<th>BBIB Name</th>
<th>Designation</th>
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</thead>
<tbody>
<tr>
<td>Data Sharing - Read Property -</td>
<td>B DS-RP-B</td>
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<tr>
<td>Data Sharing - Read Property Multiple -</td>
<td>B DS-RPM-B</td>
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<tr>
<td>Data Sharing - Write Property -</td>
<td>B DS-WP-B</td>
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<tr>
<td>Data Sharing - Write Property Multiple -</td>
<td>B DS-WPM-B</td>
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<tr>
<td>Device Management - Dynamic Device Binding -</td>
<td>B DM-DDB-B</td>
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<tr>
<td>Device Management - Dynamic Object Binding -</td>
<td>B DM-DOB-B</td>
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<tr>
<td>Device Management - Device Communication Control -</td>
<td>B DM-DCC-B</td>
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<tr>
<td>Device management - Reinitialize Device -</td>
<td>B DM-RD-B</td>
</tr>
</tbody>
</table>

Segmentation Capability:

- Able to transmit segmented messages Window Size: 1
- Able to receive segmented messages Window Size
Standard Object Types Supported:

<table>
<thead>
<tr>
<th>Object Type</th>
<th>Creatable</th>
<th>Delete able</th>
<th>Optional Properties Supported</th>
<th>Additional Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Input</td>
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<td>Analog Output</td>
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<tr>
<td>Analog Value</td>
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<tr>
<td>Binary Output</td>
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<tr>
<td>Device</td>
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<tr>
<td>File</td>
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<tr>
<td>Multi-state Input</td>
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<td></td>
<td></td>
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<tr>
<td>Multi-state Output</td>
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</tbody>
</table>

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, EIA-485 ARCNET (Clause 8), baud rate(s)
- MS/TP master (Clause 9), baud rate(s): 9600, 19200
- 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