

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:

BBIB Name	Designation
Data Sharing - Read Property -	B DS-RP-B
Data Sharing - Read Property Multiple -	B DS-RPM-B
Data Sharing - Write Property -	B DS-WP-B
Data Sharing - Write Property Multiple -	B DS-WPM-B
Device Management - Dynamic Device Binding -	B DM-DDB-B
Device Management - Dynamic Object Binding -	B DM-DOB-B
Device Management - Device Communication Control -	B DM-DCC-B
Device management - Reinitialize Device -	B DM-RD-B

Segmentation Capability:

- Able to transmit segmented messages Window Size: 1
- Able to receive segmented messages Window Size

Standard Object Types Supported:

Object Type	Creatable	Delete able	Optional Properties Supported	Additional Properties
Analog Input				
Analog Output				
Analog Value				
Binary Output				
Device				
File				
Multi-state Input				
Multi-state Output				

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

