ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)

(This annex is part of this standard and is required for its use.)

BACnet Protocol Implementation Conformance Statement

Date: _August 24, 2026_____
Vendor Name: Watts Regulator Company
Product Name: Smart Strainer
Product Model Number: 118501
Application Software Version: _J1331___ Firmware Revision: _1.2.1___ BACnet Protocol Revision: _18___

Product Description:
_The Smart Strainer kit is a turnkey solution for differential pressure monitoring across a strainer screen. Certain strainer models allow for automatic flushing through opening of a ball valve when the pressure differential across the screen exceeds a pre-configured threshold. The kit enables seamless integration with building automation systems for alerts and data polling.

BACnet Standardized Device Profiles Supported (Annex L):

☐ BACnet Cross-Domain Advanced Operator Workstation (B-XAWS)
☐ BACnet Advanced Operator Workstation (B-AWS)
☐ BACnet Operator Workstation (B-OWS)
☐ BACnet Operator Display (B-OD)
☐ BACnet Advanced Lighting Workstations (B-ALWS)
☐ BACnet Lighting Operator Display (B-LOD)
☐ BACnet Advanced Life Safety Workstation (B-ALSWS)
☐ BACnet Life Safety Workstation (B-LSWS)
☐ BACnet Life Safety Annunciator Panel (B-LSAP)
☐ BACnet Advanced Access Control Workstation (B-AACWS)
☐ BACnet Access Control Workstation (B-ACWS)
☐ BACnet Access Control Security Display (B-ACSD)
☐ BACnet Advanced Elevator Workstation (B-AEWS)
☐ BACnet Elevator Workstation (B-EWS)
☐ BACnet Elevator Display (B-ED)
☐ BACnet Advanced Lighting Control Station (B-ALCS)
☐ BACnet Lighting Control Station (B-LCS)
☐ BACnet Building Controller (B-BC)
☐ BACnet Advanced Application Controller (B-AAC)
■ BACnet Application Specific Controller (B-ASC)
☐ BACnet Smart Actuator (B-SA)
☐ BACnet Smart Sensor (B-SS)
☐ BACnet Lighting Supervisor (B-LS)
☐ BACnet Lighting Device (B-LD)
☐ BACnet Advanced Life Safety Controller (B-ALSC)
☐ BACnet Life Safety Controller (B-LSC)
☐ BACnet Advanced Access Control Controller (B-AACC)
☐ BACnet Access Control Controller (B-ACC)
☐ BACnet Advanced Elevator Controller (B-AEC)
☐ BACnet Elevator Controller (B-EC)

☐ BACnet Elevator Monitor (B-EM)
☐ BACnet Router (B-RTR)
☐ BACnet Gateway (B-GW)
☐ BACnet Broadcast Management Device (B-BBMD)
☐ BACnet Access Control Door Controller (B-ACDC)
☐ BACnet Access Control Credential Reader (B-ACCR)
☐ BACnet Secure Connect Hub (B-SCHUB)

☐ BACnet General (B-GENERAL)

BACnet Interoperability Building Blocks Supported (Annex K): _____

• DS-RP-B: Data Sharing-ReadProperty-B
• DS-RPM-B: Data Sharing-ReadPropertyMultiple-B
• DS-WP-B: Data Sharing-WriteProperty-B
• DM-DDB-B: Device Management-Dynamic Device Binding-B
• DM-DOB-B: Device Management-Dynamic Object Binding-B
• DM-DCC-B: Device Management-Device Communication Control-B
• DM-RD-B: Device Management-Reinitialize Device-B

Segmentation Capability:

☐Able to transmit segmented messages Window Size _____
☐Able to receive segmented messages Window Size _____

Standard Object Types Supported:

Analog Input Objects

☐ Dynamically Creatable
☐ Dynamically Deletable

Optional Properties Supported
- Reliability

Writable Properties
- Out_Of_Service

Conditionally Writable Properties
- Present_Value (when Out_Of_Service = TRUE)

Proprietary Properties
- None

Property Range Restrictions

Object	Units	Range
Sensor Type	no-units	0 to 65535
Days	days	0 to 65535
Inlet Pressure	psi	determined by sensor
Outlet Pressure	psi	determined by sensor
Inlet Temperature	°F	determined by sensor
Outlet Temperature	°F	determined by sensor

Basket Fill Level	percent	0.0 to 100.0

Supported Analog Input Objects:
- AI-0 Sensor Type
- AI-1 Days
- AI-2 Inlet Pressure
- AI-3 Outlet Pressure
- AI-4 Inlet Temperature
- AI-5 Outlet Temperature
- AI-6 Basket Fill Level

Binary Input Objects

☐ Dynamically Creatable
☐ Dynamically Deletable

Optional Properties Supported
- Reliability

Writable Properties
- Out_Of_Service

Conditionally Writable Properties
- Present_Value (when Out_Of_Service = TRUE)

Proprietary Properties
- None

Property Range Restrictions
Present_Value:
- inactive
- active

Supported Binary Input Objects:
- BI-0 Leak Status
- BI-1 Alarm Low Level
- BI-2 Alarm Mid Level
- BI-3 Alarm High Level
- BI-4 Valve Open Status

Binary Value Objects

☐ Dynamically Creatable
☐ Dynamically Deletable

Optional Properties Supported
- None

Writable Properties
- Present_Value
- Out_Of_Service

Proprietary Properties
- None

Property Range Restrictions
Present_Value:
- inactive
- active

Supported Binary Value Objects:
- BV-0 Flush Status

Device Object

☐ Dynamically Creatable
☐ Dynamically Deletable

Optional Properties Supported
- Description
- Max_Master
- Max_Info_Frames

Writable Properties
- None

Proprietary Properties
- None

Property Range Restrictions

Property	Range
Max_Master	0..127
Max_Info_Frames	1..255

Network Port Object

☐ Dynamically Creatable
☐ Dynamically Deletable

Optional Properties Supported
- APDU_Length
- Network_Number
- Network_Number_Quality
- Link_Speed
- Mac_Address
- Max_Master
- Max_Info_Frames

Writable Properties
- Max_Master
- Max_Info_Frames

Proprietary Properties
- None

Property Range Restrictions

Property	Range
Link_Speed	9600, 19200, 38400, 57600, 76800, 115200
Max_Master	0..127
Max_Info_Frames	1..255

BACnet Data Link Layer Options:

☐ ARCNET (ATA 878.1), 2.5 Mb. (Clause 8)
☐ ARCNET (ATA 878.1), EIA-485 (Clause 8), baud rate(s) _____
☐ BACnet IP, (Annex J)
☐ BACnet IP, (Annex J), BACnet Broadcast Management Device (BBMD)
☐ BACnet IP, (Annex J), Network Address Translation (NAT Traversal)
☐ BACnet IPv6, (Annex U)
☐ BACnet IPv6, (Annex U), BACnet Broadcast Management Device (BBMD)
☐ BACnet/ZigBee (Annex O) _____
☐ Ethernet, ISO 8802-3 (Clause 7)
☐ LonTalk, ISO/IEC 14908.1 (Clause 11), medium: _____
■ MS/TP master (Clause 9)
    ■ Master ☐ Slave
    ■ Non-isolated transceiver ☐ Isolated transceiver
    ☐ Local 47K ohms bias resistors ☐ None ■ Other: _10K ohm bias resistors_____
    Transceiver unit loading: ☐ 1 ☐ ½ ☐ ¼ ■ ⅛
    Data rates: ■ 9600 ■ 19200 ■ 38400 ■ 57600 ■ 76800 ■115200
☐ Point-To-Point, EIA 232 (Clause 10), baud rate(s):_____
☐ Point-To-Point, modem, (Clause 10), baud rate(s): _____
☐ BACnet Secure Connect (Annex AB)
    ☐ BACnet Secure Connect Node
    If direct connections are supported:
        Maximum number of simultaneous direct connections initiated: _____
        Maximum number of simultaneous direct connections accepted: _____
    ☐ BACnet Secure Connect Hub Function
        Maximum number of simultaneous hub connections accepted: _____
    ☐ HTTPS Proxy Support
        List the types of HTTPS proxies supported: _____
    ☐ Additional cipher suites supported beyond those required for TLS V1.3
        The additional cipher suites supported using the cipher suite names as of the TLS Cipher Suite Registry at IANA (See RFC 8446):
    _____
    _____
    ☐ Additional Transport Layer Security versions other than V1.3 supported
        The TLS versions other than V1.3 that are supported, including the supported cipher suites for the version beyond those required, using the cipher suite names as defined by the TLS version supported:
    _____
    _____
    ☐ Generates private keys internally, and provides matching certificate signing requests.
    ☐ DNS host name resolution supported (RFC 1123)
    ☐ mDNS host name resolution supported (RFC 6762)
☐ 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

Character Sets Supported:

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

■ ISO 10646 (UTF-8)	☐ IBM™/Microsoft™ DBCS	■ ISO 8859-1
☐ ISO 10646 (UCS-2)	☐ ISO 10646 (UCS-4)	☐ JIS X 0208

Gateway Options:

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

_____
_____
_____

If this product is a communication gateway which presents a network of virtual BACnet devices, a separate PICS shall be provided that describes the functionality of the virtual BACnet devices. That PICS shall describe a superset of the functionality of all types of virtual BACnet devices that can be presented by the gateway.