

# **BACnet Protocol Implementation Conformance Statement**

Date: Vendor Name: Product Name: Product Model Number: Software Version: BACnet Protocol Revision:	25-09-2025 FlowCon International FlowCon FN Actuator with BACnet FN.0.2-BUS 2.04 1.22				
<b>Product Description:</b> Electrical modulating actuator with BUS FlowCon GreEQ.	S communication (BACnet or Modbus) for PICV: FlowCon Green and				
BACnet Standardized Device Profile  □ BACnet Operator Workstation (B-OW  □ BACnet Building Controller (B-BC)  □ BACnet Advanced Application Control  □ BACnet Application Specific Controller  □ BACnet Smart Sensor (B-SS)  □ BACnet Smart Actuator (B-SA)	oller (B-AAC)				
List all BACnet Interoperability Build	ing Blocks Supported (Annex K):				
Data Sharing BIBBs: DS-RP-B DS-RPM-B DS-WP-B DS-WPM-B DS-COV-B	Data Sharing - Read Property - B Data Sharing - Read Property Multiple - B Data Sharing - Write Property - B Data Sharing - Write Property Multiple - B Data Sharing - Change Of Value - B				
Device Management BIBBs: DM-DDB-B DM-DOB-B DM-DCC-B DM-TS-B DM-RD-B DM-R-B	Device Management - Dynamic Device Binding - B Device Management - Dynamic Object Binding - B Device Management - Device Communication Control - B Device Management - Time Synchronization - B Device Management - Reinitialize Device - B Device Management - Restart - B				
Segmentation Capability: This device does not support segmentation.					
` ,	se 8) se 8) baud rate(s): (s): 9600, 19200, 38400, 57600 and 115200 ): 9600, 19200, 38400, 57600 and 115200 baud rate(s): max. EIA 232				



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### **Device Address Binding:**

Is static device binding supported? (This is currently necessary certain other devices.)  ☐ Yes ☐ No	for two-wa	ay communication with MS/TP slaves and
Networking Options: This device has no special networking o  ☐ Router, Clause 6 - List all routing configurations  ☐ Annex H, BACnet Tunneling Router over IP  ☐ BACnet Broadcast Management Device (BBMD)		
Does the BBMD support registrations by Foreign Devices?	☐ Yes	□ No
Does the BBMD support network address translation?	☐ Yes	□ No
Character Sets Supported: Indicating support for multiple character sets does not imply that  ☐ UFT-8 ☐ IBM™/Microsoft™ DBCS ☐ ISO 8859-1 ☐ ISO 10646 (UCS-2) ☐ ISO 10646 (UCS-4) ☐ JIS X 0208 ☐ ISO 10646 (UTF-8)	at they can	all be supported simultaneously.



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# **List of Objects**

# Analog Input (AI):

#	Name	Description	R/W	Present-Value Options
2	Analog input P1	Measured input value at port 1	R	Unit depending on selected sensor type (°C, °K or %).
3	Analog input P2	Measured input value at port 2	R	Unit depending on selected sensor type (°C, °K or %).
6	Actual value control signal	Actual flow rate in percent og max. flow setting	R	0 to 100. Unit is %.
7	Actual volume flow rate	Actual flow rate calculated based on valve parameters	R	0 to 65535. Unit is I/hours.
8	Differential temperature	Actual water ΔT calculated based on measured supply and return temperatures	R	-200 to +200. Unit is °K.
16	Actual value of thermal power	Current calculated value of thermal power going through the valve. Calculated value only valid for PICVs	R	0 to 65535. Unit is kW.
18	Energy, 24 hours back	Current time and 24 hours back. Calculated value only valid for PICVs	R	0 to 65535. Unit is kWh.

Analog Value (AV):

#	Name	Description	R/W	Present-Value Options
1	External control signal	External Volume flow rate set point (actuating signal)	R/W	0 to 100 (-10 to 110). Unit is %.
4	Supply temperature	Supply water temperature	R/(W)	-50 to +150. Unit is °C. Write-protected when source is Port 1 or Port 2.
5	Return temperature	Return water temperature	R/(W)	-50 to +150. Unit is °C. Write-protected when source is Port 1 or Port 2.
12	Hydraulic balancing value for cooling	Range between minimum and maximum flow rate of selected valve in cooling mode	R/W	0 to 65535. Unit is I/hours.

Binary Input (BI):

#	Name	Description	R/W	Present-Value Options
3	Actuator is busy	Operating status: Actuator mode	R	0= Normal operation (no message shown) 1= Actuator is not available for control signal
4	Actuator in malfunction	Operating error status: Hardware fault	R	0= Normal operation (no message shown) 1= Hardware fault (Port 1 or Port 2 range exceeded or similar malfunction)
5	Error during valve adaption	Operating error status: Valve calibration error	R	0= Normal operation (no message shown) 1= Error during valve adaption
6	Error: valve blocking	Operating error status: Valve blocking error	R	0= Normal operation (no message shown) 1= Error, valve is blocked
7	Warning: leak detected	Operating error status: Leak detection warning	R	0= No warning 1= Leak detected (ΔT above 8°K when valve is closed for more than 6 hours)

# Multi-State Value (MSV):

#	Name	Description	R/W	Present-Value Options
1	Service command	Service command	R/W	1= Normal operation mode 2= Calibration mode 3= Test run mode 4= Synchronize valve 5= Reset error messages 6= Reset BUS 7= Reset to factory settings



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## Multi-State Value (MSV), continued:

Maiti	plate value (MSV), Colli	illucu.		
2	Sensor type P1	Port 1 sensor type	R/W	$ \begin{array}{lll} \underline{1=\text{OFF}} & 2=\text{Binary input} & 3=\text{ 0-10V input} \\ 4=\text{ KP10} & 5=\text{ Ni1000-DIN} & 6=\text{ Ni1000-LG} \\ 7=\text{ PT1000} & 8=\text{ Potentiometer } 10k\Omega \\ 9=\text{ Potentiometer } 10k\Omega +\text{/-}3k\Omega \\ 10=\text{ Potentiometer } 10k\Omega +\text{/-}5k\Omega \\ \end{array} $
3	Sensor/Output type P2	Port 2 sensor type / output	R/W	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
4	Operating mode	Operating mode	R/W	1= External control signal (set in AV.1) 2= Open ~ 100% 3= Closed ~ 0% 4= Minimum position 5= NOT ACTIVE 6= Maximum position 7= Room temperature 8= Control by thermal power 9= Return water temperature
5	Source of supply and return temperature	Water temperature source, supply and return	R/W	1= BUS (set in AV.4 and AV.5) 2= Port 1 supply, Port 2 return 3= Port 2 supply, Port 1 return 4= Port 1 supply, BUS return 5= Port 2 supply, BUS return 6= BUS supply, Port 1 return 7= BUS supply, Port 2 return
7	Select RS485 baud rate	RS-485 baud rate	R/W	1= Default (38400) 2= 9600
8	Select valve type	Select valve type and control characteristics	R/W	1= Linear (generic) 2= Green.0