

NovoCon® Fact Sheet

NovoCon® Digital Controls with true pressure independence

Connectivity and data integration for an optimized hydronic system.

NovoCon® Digital Controls are smart devices that provide precise control and communication with the Building Management System (BMS). Remotely access insightful feedback about the system, and use data to continuously optimize HVAC system performance.

Simplify energy management tracking and efficiency improvements with NovoCon® Digital Controls.



COMMUNICATION

- Provides real-time performance data
- Bus actuator with multiple data points
- BACnet, MS/TP or Modbus RTU
- Built-in I/O device (analog input/output)





EASY SETUP & COMMISSIONING

- Direct access to digital control
- No piping restrictions
- Retrieve and analyze system data anytime

SYSTEM STABILITY

- Integrated pressure regulator providing flow control independence to system pressure fluctuations
- Precise valve control through engineered globe valve design
- Meet and maintain steady room temperature requirements
- Improved heat exchange to meet designed ΔT
- Balanced comfort

NovoCon® Digital Controls

Control input	Digital			
Unique design	4-in-1: Actuator, bus communication device, flow indicator, and data logger			
Typical applications	Hot / cold water coils Variable air volume units (VAV) Sensible-cooling terminal units Fan coil units Air handling units (AHU)			
Model	NovoCon® S	NovoCon® M	NovoCon® L	NovoCon® XL
				
For AB-QM™ Pressure Independent Balancing Control Valves	½" to 1¼"	1 ½" to 2	5" to 6"	8" to 10"
Control signals	BACnet; Modbus; 0-10V; 4-20mA	BACnet MS/TP, Mod- bus RTU, Analogue (VDC,mA)	BACnet MS/TP, Mod- bus RTU, Analogue (VDC,mA)	BACnet MS/TP, Mod- bus RTU, Analogue (VDC,mA)
Power supply	24V AC/DC	24 ±25% AC/DC	24; +10 ... -15%; AC/ DC	24; +10 ... -15%; AC/ DC
Feedback signal	BACnet; Modbus			
Configurable Objects	More than 100 configurable BACnet objects			
Selectable Speed (Open to close)	3, 6, 12, 24 Constant Time			
Position Accuracy	± 0.05mm	± 0.2mm	± 1.0mm	1.8mm
Electrical Connections	Plug-in cable options available (order separately)	Terminal Block	Terminal Block	Terminal Block

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