



BACnet CONTROL

BACNET CONTROL FOR COMMERCIAL HEATING SYSTEMS

Steffes commercial furnaces are available with a BACnet Control option. The Steffes BACnet Control is a device used to interface Steffes commercial heating systems with building automation and control networks. It allows the building automation system to maintain tight, precise, and flexible control of the heating system(s) without the need for other controls such as thermostats, outdoor temperature sensors, and/or peak control devices.

The Steffes BACnet Control displays as a Delta room controller on the building automation system and communicates through a MODbus gateway to the Steffes heating system. Each Steffes heating system requires one BACnet Controller which handles read-only and write-only analog value (AV) objects.



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BENEFITS

The BACnet Control can be easily integrated into most building automation systems, providing building managers with full control and visibility of the heating system's operations.

The BACnet Control provides:

- Real time system monitoring
- Full thermostat control
- Monitoring of heat storage levels in the brick and all system temperatures
- Remote configuration, testing and adjustment
- Service requirement alerts

FEATURES

- Fully integrated communication with heating system
 - Outdoor temperature information
 - Core temperature readings
 - MA command
 - Charge rate settings
 - Discharge rate settings
- High speed load management with 1% granularity
- Enables off-site diagnostics of heating system
- Fault detection and diagnostics
- LED indicators for device status, NET & Ethernet ports
- Trend logging for performance feedback, preventative maintenance, and equipment troubleshooting (software dependent)

SPECIFICATIONS

- Steffes BACnet Control Power: 24 VAC
- Delta Controller Power: 24 VDC
- Device Addressing: Software Addressed
- Real-time clock
- Supercapacitor power backup for RTC and CPU
- 2 Ethernet (10/100-Base T)
- NFC for device address and baud rate configuration
- Provides operating feedback to system operator, including, but not limited to:
 - BACnet/IP
 - BACnet over Ethernet
 - BACnet/SC (requires V4.11 firmware)
 - BACnet MSTP (Master/Slave Token Pass)

SYSTEM REQUIREMENTS

- Steffes Heating system in which the processor control board is programmed with software version 2.03 or greater.
- Requires one Steffes BACnet Interface per Steffes Heating System.
- When using the BACnet control system it is not recommended to use the Steffes Power Line Carrier, as both systems provide peak and automatic charge control information.



ORDERING INFORMATION

ITEM #	Application	Steffes Heating Systems
1301006	Control BACnet	9100 Series

Limited Three Year Manufacturer's Warranty