

Nidec

Drives

SI-BACnet IP



Seamless integration and maximum building comfort

The SI-BACnet IP option module provides enhanced control and maximum efficiency in building automation systems, ensuring accurate and co-ordinated operation to boost occupant comfort.

Benefits of BACnet

BACnet (Building Automation and Control Networks) is an open and standard data communication protocol for building management systems or process controllers, which enables the exchange of data between different networked devices, allowing them to work together seamlessly. BACnet supports a variety of communication methods, including BACnet IP which uses Ethernet VLAN and WAN networks to provide the fastest connection and highest performance levels. It also utilises IP addresses of equipment and enables building automation systems to be accessible remotely for added control and monitoring convenience.

Enhanced and scalable building management performance

The SI-BACnet IP option module provides high speed Ethernet-based communication for our flexible Commander C and Specialist Pump Drive F600 & HVAC Drive H300 families. This offers our customers a scalable range of feature-sets and performance levels to meet all your fan, pump and compressor application needs. As a result, multiple applications controlled by Control Techniques drives throughout a building can be integrated together for simple and convenient centralised control. Our HVAC Drive H300 also provides BACnet MS/TP onboard as standard.

Maximising energy efficiency

Our products leverage BACnet IP's advanced features to enhance energy efficiency, contributing to the sustainable and cost-effective operation of your building management system. Our drive families can control a wide range of induction and permanent magnet motors, with the most efficient meeting IE5 efficiency levels, such as Leroy Somer's Dyneo+. With Control Techniques drives controlling multiple applications within a building using a BACnet IP network, each contributes to overall energy savings providing short ROI payback periods.

Reliability for maximum comfort

The SI-BACnet IP's dual Ethernet ports and plug-and-play integration ensure robust and reliable communications, minimising downtime, and maximising operational continuity. All drives compatible with SI-BACnet IP also benefit from a free 5-year warranty, so you can be reassured of maximum comfort for building occupants with minimal input required from onsite service staff.

Adaptable BACnet solutions

Plan for the future with our scalable BACnet solutions that adapt to the changing needs of your building automation system. Our extensive product portfolio provides all the options you need to grow your network efficiently without affecting performance.

The SI-BACnet IP option module provides you with the capability to:

- Issue control commands to the drive (e.g., Start, Stop, Run)
- Provide a motor speed or torque reference to the drive
- Supply a process actual value or a process setpoint to the PID controller of the drive
- Retrieve status information and actual values from the drive
- Monitor and control analogue and digital I/Os of the drive
- Reset a drive fault
- Interface with our intuitive Connect PC commissioning tool

Key Technical Specifications

Overview	Dual Ethernet port communication option module for BACnet IP protocol
Ordering Code	82400000022600
Compatible Drives	• Commander C200, C300, C300 PM • Pump Drive F600 • HVAC Drive H300
Supported Features	• Data sharing: Read, Write, Read Multiple, Write Multiple • Alarm access – Change of Value • Remote device management with password protection • Time synchronisation
Compliance	BACnet protocol version 1 revision 19

Approved Nidec Drives Distributor:

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