

Insight[®] BACnet Client and Server Options

Description

BACnet[®] is a data communication protocol for building automation and control networks supported by numerous component manufacturers and facility systems providers. Developed by ASHRAE[®] (Association of Heating, Refrigeration, and Air Conditioning Engineers), an international organization of the facilities industry, BACnet was designed to provide a standard for communications between control offerings.

- Option for Insight[®] Revision 3.7 or later, Advance or Base.
- Client capabilities: Insight software can monitor, command, trend, schedule, set time synchronization, back up databases, and receive alarm information for BACnet/IP devices.
- Server capabilities: Insight software will route APOGEE[®] point information to BACnet devices for monitoring, commanding, and alarming.
- Ethernet is used as the communication media.

Applications

The BACnet Client Option and Server Option for Insight Revision 3.7 provides for monitoring and commanding of BACnet supportive devices and objects providing the ability to:

- Merge control of multiple BACnet systems and devices through a single Insight workstation.
- Expand the existing system with APOGEE devices and third-party BACnet devices without replacing the existing system.

Operator Interface

The BACnet Client Option enables the Insight operator to monitor and command BACnet objects from Insight graphics and Point Commander. BACnet schedules and calendars may be created and edited. BACnet time synchronization is supported. BACnet devices may have their databases backed up and restored. BACnet alarms will appear in the alarm application. BACnet objects may be used in trends. BACnet device network status will appear on the system profile and the BACnet browser. Functionality will depend on the capabilities of the BACnet devices communicating with the Insight software.

The BACnet Server Option allows third-party BACnet systems to view, command, and receive alarms for APOGEE points through Insight software. The functionality at the third-party workstation is dependent upon the third-party system.

Software

BACnet client and server functionality require the following software:

- Insight Revision 3.7 or later
- BACnet Client Option and Server Option

Specifications

Objects:	Analog Input, Analog Output, Analog Value, Binary Input, Binary Output, Binary Value, Calendar, Command, Event Enrollment, File, Multistate Input, Multistate Output, Device, Notification Class, Schedule, Trend Log.
Functionality:	Monitoring, commanding, alarming, scheduling, trending, time synchronization, database backup and restore.
Datalink:	Ethernet, BACnet/IP.

Ordering Information

Description	Product Number
BACnet Client for Insight Software Revision 3.7 or Later	571-188
BACnet Server for Insight Software Revision 3.7 or Later	571-189

For more information, visit www.sbt.siemens.com.

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