

FEATURES

- ✓ Compatible with FireSense/Notifier 2800 & 3030 Panels
- ✓ Can monitor up to fourteen NOTI•FIRE•NET™ panels with a maximum combined object count of 15,000
- ✓ Multiple BACnet Gateways can be used for large networks
- ✓ PC programmable using the BACnet Gateway Serial Configuration Tool
- ✓ The FireSense BACnet Gateway can behave as a foreign device when communicating with a third-party BBMD (BACnet Broadcast Management Devices)



PRODUCT DESCRIPTION

The BACnet Gateway provides an interface between FireSense fire panel network NOTI•FIRE•NET™ (version 4.0 and higher) and a network using the BACnet/IP communication protocol.

BACnet protocol is an American National Standard (ANSI/ASHRAE 135-1995). With the Gateway interface, devices on NOTI•FIRE•NET™ fire alarm control panels are represented as BACnet objects to the BACnet client. The user subscribes to Event Notification objects per FACP, and the BACnet device receives events from objects on the FACP as a result of this subscription.

The BACnet Gateway can be connected to a stand-alone FireSense 2800 or 3030 Panel with an available network port, or it can be connected to NOTI•FIRE•NET™ via the network port on any NCMW/-F. Connected to NOTI•FIRE•NET™, each BACnet Gateway can support 15 nodes max. or 15,000 objects (object count includes all detectors, monitor modules, notification appliance circuits, etc). Multiple BACnet Gateways can be used to interface with larger (more than 15 nodes) networks.

The BACnet Gateway is PC programmable using the BACnet Gateway Serial Configuration Tool, an offline programming utility used to configure the BACnet Gateway. The Serial Configuration Tool is used on a compatible computer that is using Windows® 2000, 98, NT version 4.0, or later OS; and has an available (non-dedicated) serial port for communicating with the BACnet Gateway.

TECHNICAL SPECIFICATIONS

Conforms to BACnet Standard Annex J for IP and Support Device Objects, Binary Output Objects, Life Safety Points/Zones, Multi-State Inputs.

Power Supply	24Vdc to 5Vdc
Input Voltage Range	19Vdc to 29Vdc. Input current is 360mA @ 24Vdc
Output Current	1.2A @ 5Vdc
Operating Temperature	0°C to 49°C

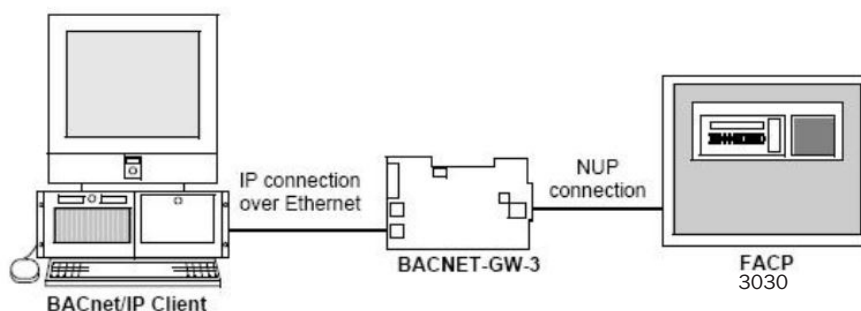
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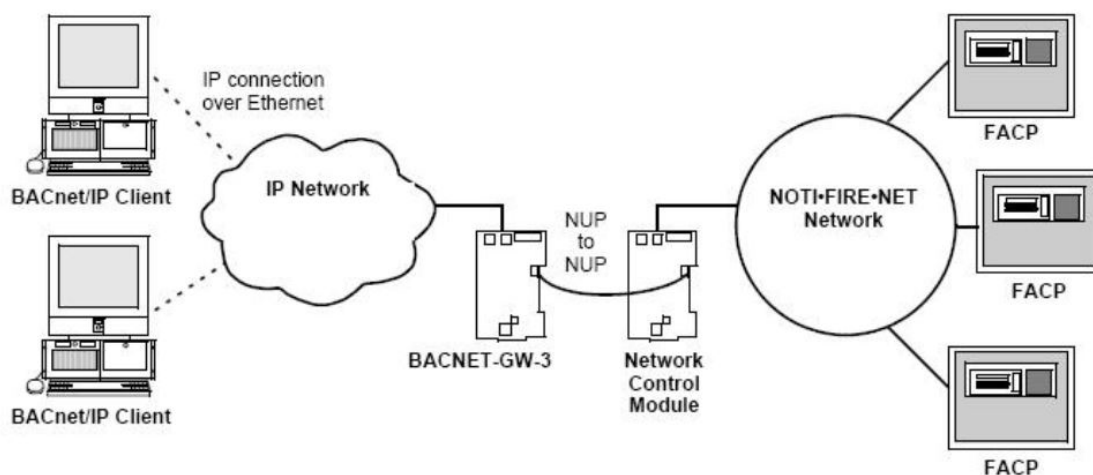
CONNECTION INFORMATION

- ✓ The BACnet Gateway is connected to NOTI•FIRE•NET™ via the network port on the NCM-W/-F to the EIA-232 serial port on the Gateway (uses the network to DB9 cable, P/N 75582).
- ✓ BACnet Gateway is connected to the BACnet front end via a standard RJ45 Ethernet connector (CN2).
- ✓ The BACnet Gateway assembly installs in one row of a CAB-3 or CAB-4 Series cabinet using a CHS-4 or CHS-4L Chassis. The BACnet Gateway, power supply, and PNET-1 surge suppressor are installed on a BACnet Gateway/Power
- ✓ Supply Mounting Plate (P/N 18541), which takes up two module positions. The PNET-1 surge suppressor is connected to the BACnet Ethernet via a RJ45 Ethernet connector.

SYSTEM ARCHITECTURE EXAMPLE



Single-Panel Diagram



Single NFN Network Diagram