BACNET-GW-3

BACnet Gateway

NOTIFIER®

by Honeywell

Network Systems

General

The BACNET-GW-3 provides an interface between NOTIFIER's fire panel network **NOTI•FIRE•NET™** (either the standard or the high-speed version) 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.
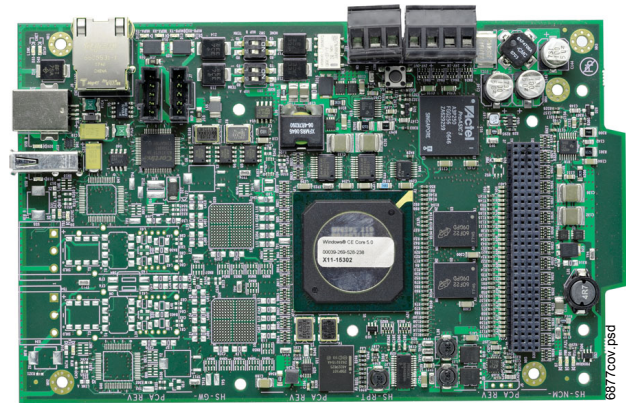
The BACNET-GW-3 can be connected to a stand-alone ONYX® panel with an available network port, or it can be connected to **NOTI•FIRE•NET** via the network port on any network control module. Connected to **NOTI•FIRE•NET**, each BACNET-GW-3 can support a maximum of 14 other nodes or 15,000 objects. Multiple BACNET-GW-3s can be used to interface with larger networks.

Features

- Compatible with ONYX Series panels: NFS2-3030, NFS2-640, NFS-320, NFS-3030, NFS-640.
- Compatible with **NOTI•FIRE•NET** devices: NFS2-3030, NFS2-640, NFS-320, NCA-2, DVC, and ONYXWorks™; NFS-3030, NFS-640, NCA, and AFP1010/AM2020; NCS..
- The BACNET-GW-3 can monitor up to 14 **NOTI•FIRE•NET** nodes with a maximum combined object count of 15,000 (object count includes all detectors, monitor modules, notification appliance circuits, etc.).
- Multiple BACNET-GW-3s can be used for large networks (more than 15 nodes total).
- PC programmable using the BACNET-GW-3 Configuration Tool, an offline programming utility used to configure the BACNET-GW-3. The Configuration Tool is used on a compatible computer that is using Windows® XP OS.
- The NOTIFIER BACNET-GW-3 can behave as a foreign device when communicating with a third-party BBMD (BACnet Broadcast Management Devices).
- Compatible with standard and high-speed **NOTI•FIRE•NET**

Specifications

- Complies with: **UL 864 9th Edition**; and **CAN/ULC-S559-04, 1st Edition** Standard for Control Units for Fire Alarm Systems.
- Complies with **NFPA 72** National Fire Alarm Code.
- Conforms to **BACnet Standard** Annex J for IP and Support Device Objects, Binary Output Objects, Life Safety Points/Zones, and Multi-State Inputs.
- **Power supply**: 24 VDC @450mA nominal and supervised battery backup.
- **Operating temperature**: 32°F to 120°F (0°C to 49°C).

Connections

- The BACNET-GW-3 is connected to **NOTI•FIRE•NET** via the network port on the network control module to the Gateway.
- BACNET-GW-3 is connected to the BACnet front end via a standard RJ45 Ethernet connector (CN2).
- The BACNET-GW-3 assembly installs in one row of a CAB-3 or CAB-4 Series cabinet using a CHS-4 or CHS-4L chassis. The PNET-1 surge suppressor is connected to the BACnet Ethernet via a RJ45 Ethernet connector.

Agency Listings and Approvals

The listings and approvals below apply to the BACNET-GW-3. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** file S635.
- **ULC Listed:** file S635.

Product Line Information

The **BACNET-GW-3** (ordered as such) includes everything required to set up an interface to an existing NOTIFIER system or network with the exception of a chassis and the Network Control Module (NCM). It includes:

- PC board for the BACNET-GW-3.
- Software on CD-ROM (Configuration Tool).
- RJ45 to RJ45 Standard Ethernet Network Cable (PN 75585).
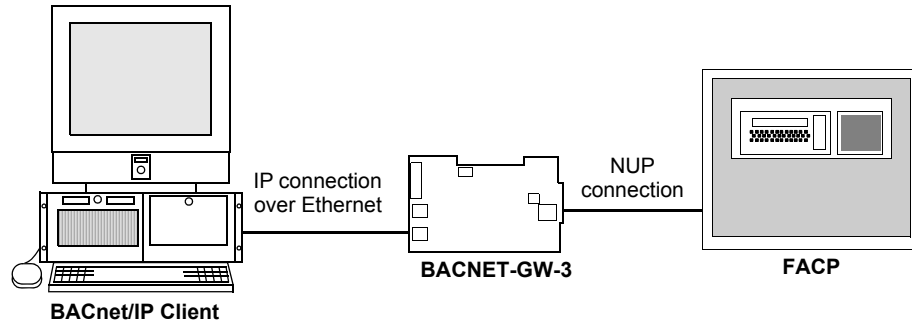- NUP to NUP cable (PN 75556).

Additional required components (from other vendors):

- IBM-compatible **PC** with Windows XP.
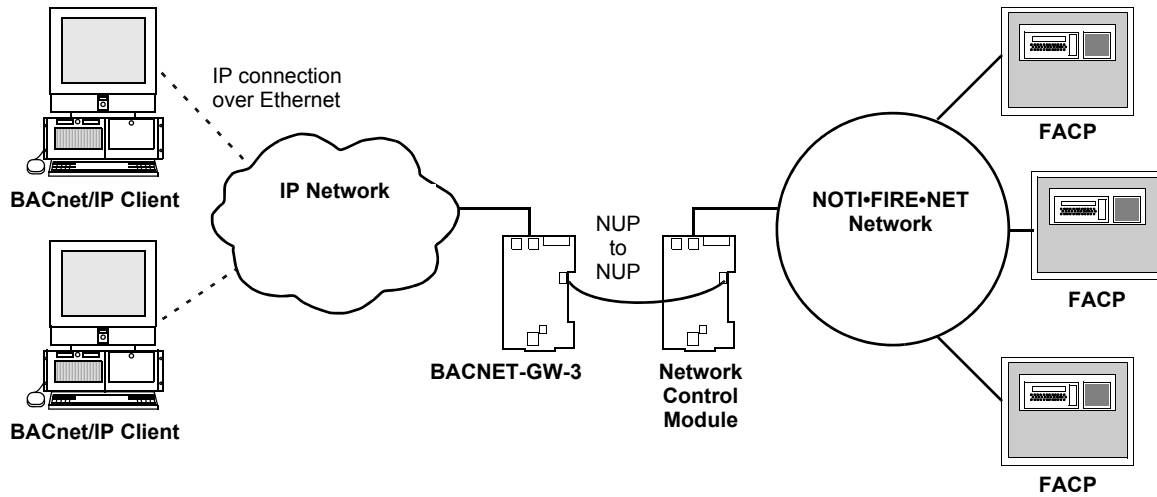- Standard Ethernet **network cable** with RJ45 connectors.

PIC Statement/BACnet Information

The BACNET-GW-3 *PIC Statement* is available at **www.notifier.com**. Select products and then network systems. For information on the BACnet protocol, see **www.bacnet.org**.

System Architecture

Single-Panel Diagram

Single NFN Network Diagram

ISO 9001
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QUALITY SYSTEMS

This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

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