BACNET FEATURE – CLSS GATEWAY

Connected Life Safety Services (CLSS) Gateway Feature for BACnet™ Protocol Network Communication

The BACnet Feature - CLSS Gateway (HON-CGW-MBB) provides a communication link between networks that use the BACnet/IP communication protocol and Fire Alarm Control Panels (FACPs) on a NOTI•FIRE•NET™ (NFN) network.



CLSS Gateway with Enclosure

The CLSS BACnet Feature provides an interface between the (NFN) fire panel network and a network using the BACnet/IP communication protocol. BACnet protocol is an American National Standard (ANSI/ASHRAE 135-2012).

With the CLSS BACnet Feature, devices on fire alarm control panels are represented as BACnet objects to the BACnet client.

Connected to the NFN, the CLSS BACnet Feature can support up to 16 NFN nodes with a maximum combined object count of 15,000 (object count includes all detectors, monitor modules, notification appliance circuits, etc.). Multiple CLSS Gateways can be used to interface with larger networks.

The CLSS BACnet Feature is designed to require very little configuration; no separate configuration utility is required. In most applications, you only need to enter the TCP/IP network settings and the nodes to be monitored. The CLSS BACnet Feature automatically maps all the configured points.

For additional information on the CLSS Gateway, refer to the HON-CGW-MBB datasheet (HON-62034), user manual (LS10248-000HW-E), or UL listing document (LS10248-051HW-E).

HONEYWELL CONNECTED LIFE SAFETY SERVICES (CLSS)

Honeywell CLSS is an innovative, all-in-one cloud platform that enables systems integrators and facilities managers to deliver an enhanced fire safety service, while maximizing the performance efficiencies offered by Honeywell's trusted detection and alarm systems. The CLSS platform enables users to:

- Get a “bird’s eye” view of all accounts
- Obtain real-time information on event generation, enabling diagnosis before dispatch
- Conduct tests and inspections using a mobile app (available in select markets)
- Provide end users with multi-site asset information and event alerts

FEATURES AND BENEFITS

- Monitors up to 16 NFN nodes (not including the CLSS Gateway node itself) with 15,000 maximum combined object count
- Multiple CLSS Gateways can be used for large networks.
- Provides a built-in configuration tool for simple browser configuration.
- Behaves as a foreign device when communicating with a third-party BACnet Broadcast Management Device (BBMD)
- Designed to be compatible with standard BACnet clients/devices
- Web-based software and smartphone app for CLSS BACnet Feature configuration and administration
- Meets UL 864, 10th edition requirements
- Compatible with standard and high-speed NFN
- Reduces configuration time by auto-discovering and mapping

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CLSS BACNET FEATURE TECHNICAL SPECIFICATIONS

SPECIFICATIONS

Refer to the specifications for the HON-CGW-MBB on datasheet HON-62034.

SYSTEM ARCHITECTURE & REQUIREMENTS

An Internet or Intranet IP network connection is required to configure the BACnet Feature, and to connect it with BACnet clients. The Internet or Intranet IP network connection must meet the following requirements:

- Private or Business LAN
- Static IP address
- Standard 100Base-T connection
- BACnet Standard Ports

REQUIRED EQUIPMENT

- HON-CGW-MBB CLSS Gateway
- Network Communication Module (NCM)
- NFN Network - Version 5.0 or above

NETWORK COMPONENTS

- RJ45 to RJ45 standard Ethernet network cable-customer's Internet or intranet connection to the CLSS Gateway
- NFN network version 5.0 or above (sold separately)
- One of the following:
  - High Speed Network Communication Module: HS-NCMW/ SF/MF board-used to facilitate network communication between the CLSS Gateway and a High Speed NFN network or Network Communication Module
  - NCM-W/F board-used to facilitate network communication between the CLSS Gateway and an NFN network

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the products specified in this document. In some cases, certain products or applications may not be listed by certain approval agencies, or listing may be in process. Contact Honeywell for latest listing/approval status.

For listings and approvals for the HON-CGW-MBB, refer to datasheet HON-62034.

STANDARDS AND CODES

The CLSS BACnet Feature is designed to comply with the following standards:

- UL 864, Tenth Edition*
- CAN/ULC S527-19, Fourth Edition**
- BACnet Standard Annex J for IP and Support Device Objects, Binary Output Objects, Life Safety Points/ Zones, and Multi-State Inputs

* Supplementary Only
**Ancillary Only

APPROVALS

- UL/ULC Listed: S35608
- ETL Listed: 104270338NYM-001
- CSFM: 7300-1637:0504
- FDNY: COA# 000121, COA# 000122

PIC STATEMENT

Contact Honeywell for the BACnet Protocol Implementation Conformance (PIC) statement.

ORDERING INFORMATION

- **HON-CGW-MBB:** CLSS Gateway with Enclosure
- **50160636-001:** CLSS Gateway Kit (includes 30" NUP cable and NOTIFIER lock and key set)
- **32351718-001:** 10' NUP Cable
- **BACNET Feature** can be purchased through the CLSS portal

CUSTOMER SUPPLIED EQUIPMENT

- Windows 10 Professional
- Google Chrome™ Browser
- JAVA® version higher than version 6

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Google Chrome™ is a trademark of Google LLC.

JAVA® is a registered trademark of Oracle America, Inc.

BACnet™ is a trademark of ASHRAE.

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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