MODBUS FEATURE – CLSS GATEWAY

Connected Life Safety Services (CLSS) Gateway Feature for Modbus® Protocol Network Communication

The MODBUS Feature - CLSS Gateway (HON-CGW-MBB) provides a communication link between networks that use the Modbus/TCP communication protocol and the Honeywell® Fire System.



CLSS Gateway with Enclosure

The Modbus Feature -CLSS Gateway communicates with compatible Honeywell fire alarm control panels (FACPs) or panel networks. The Modbus communication protocol is consistent with Modbus Application Protocol Specification V1.1b.

The Modbus 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 Gateway automatically maps all the configured points and provides a user-friendly, comma separated value report that defines the mapping.

For additional information, 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

- Designed to be compatible with standard Modbus/TCP masters
- Supports one-byte Unit IDs
- Supports two Modbus masters
- Web-based software and smartphone app for Modbus Feature configuration and administration
- Meets UL 864, 10th edition requirements
- Logs diagnostic information
- Connects to compatible Honeywell fire alarm control panels (FACPs) or panel networks
- Monitors ten compatible nodes not including the CLSS Gateway node itself
- Provides data such as event type, active/ inactive, enabled/ disabled, acknowledged/ unacknowledged, device type, and system troubles
- Supports reads of up to 100 registers at a time
- Sends standard Modbus exception responses
- Reduces configuration time by auto-discovering and mapping

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MODBUS 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 Modbus Gateway, and to connect it with Modbus clients. The Internet or Intranet IP network connection must meet the following requirements.

- Private or Business LAN
- Static IP address
- Standard 100Base-T connection
- TCP Port 502

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.

STANDARDS AND CODES

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

- UL 864, Tenth Edition*
- CAN/ULC S527-19, Fourth Edition*

*Supplementary Only

APPROVALS

- UL/ULC Listed: S35608
- **CSFM:** 7300-1637:0504
- **FDNY:**
  - COA#000121
  - COA#000122

ORDERING INFORMATION

- **HON-CGW-MBB:** CLSS Gateway with Enclosure.
- **50160636-001:** CLSS Gateway Kit. Includes 30" NUP Cable and Lock and Key Set.
- **MODBUS 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.

Modbus® is a registered trademark of Schneider Electric, licensed to the Modbus Organization, Inc.

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