# GEMC-NL-MOD
## Network Communication Module
## DATA SHEET

WI1912  09/10

## GENERAL DESCRIPTION

The NAPCO NetLink™ GEMC-NL-MOD allows the reporting of alarms over a TCP/IP based (Intranet or Internet) network.  Alarm reporting, previously performed via Telco only, can now be performed over both a TCP/IP network and/or Telco, or via the TCP/IP network as a backup.  The GEMC-NL-MOD is housed in a separate plastic enclosure, and is connected to the Local Download receptacle for the Gemini C-Series control panels.

The GEMC-NL-MOD is supported by PCD-Windows Quickloader download software version 6.0 or greater.  For the panels listed above, the Quickloader software will support downloading through the Internet or an intranet, as well as the uploading of logs and other data.

The GEMC-NL-MOD includes high performance transient protection inside its enclosure.  In addition, the GEMC-NL-MOD requires a software package to allow its configuration before use (the NL-MODCONFIG) to enable communications to the Central Station Receiver (NL-RCV-RMPCUL) to allow the receipt of alarms, status and supervisory data.  See WI1754 for more information.

The GEMC-NL-MOD also includes four (4) user-definable inputs, allowing it to be used as an Internet-reporting device on any Fire Alarm Control Panel or Commercial Burglary Alarm.

## SPECIFICATIONS

### Electrical Ratings

**Input Power:**  Nominal 12VDC, 85mA.

**Note:**   12V power must be supplied from GEMC-Series motherboard **AUX PWR** terminals.  Available panel 12V combined auxiliary current is reduced by 85mA.

**Output Power:**  PGM-style open collector (negative trigger) with a maximum sink current of 50mA.  Wire only to power-limited circuits less than 14VDC.

## MAXIMUM WIRE LENGTH

The GEMC-NL-MOD must be mounted inside the NAPCO Gemini GEMC-Series control panel enclosure.  For Fire Alarm control panels, the GEMC-NL-MOD must be installed inside a separate UL 864 Listed enclosure.  In addition, no more than 20 feet of conduit can be used if connected to a fire alarm control panel.  **NOTE:** For a UL Supplemental Listing, the wire length (GEMC-NL-MOD to control panel) must be no more than 20 feet and the panel shall reside in the same room as the GEMC-NL-MOD with no intervening walls or barriers.  **NOTE:** For best results when making RJ-45 cable assemblies, it is recommended to use an *AMP* Brand Professional crimping tool (part # 3-231652-0), and to always match the type of cable used (stranded or solid) with the correct type of RJ-45 plug.

## SYSTEM REQUIREMENTS

**System Hardware**:
- Compatible Gemini C-Series Control Panel.
- W1077 harness (see wiring diagram).
- Access to the local area network.

**NL-MODCONFIG Software**:
- Windows® XP Professional or Windows® 2000. (Windows® XP Home Edition is **not** supported).

**NL-RCV-RMPCUL Rack-Mount Receiver or NL-CSRCV Software** (software not for UL installations):
- See WI1491 for the NL-RCV-RMPCUL installation and programming instructions.

## PHYSICAL

**Dimensions:**  1½" x 7" x 4¾" (H x W x D)

## AGENCY LISTINGS

UL365:  Police Station Alarm Units

UL609:  Local Burglar Alarm Units and Systems

UL864 9th Edition:  Commercial Fire

UL985:  Household Fire Warning System Units

UL1023:  Household Burglar Alarm System Units

UL1610:  Central Station Burglar Alarm Units

NFPA 72 National Fire Alarm Code

Security Industry Association (SIA) False Alarm Reduction Standard CP-01

CSFM:  California State Fire Marshall (Pending)

FM Approval:  (Pending)

NYCFD:  NYC Fire Department (Pending)

## ORDERING INFORMATION

**GEMC-NL-MOD:**  Internet Reporting Module, suitable for Commercial Fire and/or Burg applications.