



NAPCO[®]

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GEM-PRINT

Parallel Printer Interface

INSTALLATION INSTRUCTIONS

WI954D 6/05

GENERAL DESCRIPTION

The GEM-PRINT Parallel Printer Interface is a bus mounted device which allows the Gemini series control panels to be connected to a parallel printer for the purpose of recording system activity. GEM-PRINT is compatible with following control panels:

- GEM-P816 (ver. 9A or greater)
- GEM-P1632 (ver. 9A or greater)
- GEM-P1664 (ver. 1 or greater)
- GEM-P3200 (ver. 20 or greater)
- GEM-P9600 (ver. 20 or greater)
- GEM-X255 (GEM-PRINT version Δ2 or greater)

When installed on a control panel which has been programmed via PCD-Windows v.5.0 (or greater), the GEM-PRINT will create reports using the same custom User, Area and Zone descriptions which have been entered into the downloader (see PROGRAMMING). The GEM-PRINT provides signal and ground isolation between the control panel and the printer and will protect the control panel from shorts, transients and surges which may emanate from the printer or the associated cabling.

SPECIFICATIONS

Input Power: 89 mA (max.) @13.8 VDC (supplied by control panel connections). **Note:** Reduce available panel combined auxiliary current by 89 mA.

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

MAXIMUM WIRE LENGTH

The GEM-PRINT may be mounted on the control panel bus up to 1000 feet from the control panel. The Parallel Printer must be mounted with 20 feet of the GEM-PRINT module.

NOTE: For UL approved installations, the wire length (GEM-PRINT to printer) must be no more than 20 feet and the printer shall reside in the same room as the GEM-PRINT with no intervening walls or barriers.

SYSTEM REQUIREMENTS

The following system hardware is required:

- Compatible Gemini Control Panel
- Standard PC Printer Cable (DB25 to 36 pin Centronics)
- Parallel Printer - Dot Matrix printer preferred.
- **NOT compatible with "Win Printers" or Laser Jet / Ink Jet printers requiring a Windows-based operating system.**

MOUNTING INSTRUCTIONS

Mount the GEM-PRINT to flat surface with two 1-inch number 8 screws in mounting ears on either side of case.

CONNECTION

- Connect the GEM-PRINT terminals 1-4 to the control panel bus as per the wiring diagram.

- Connect the Parallel Printer to the GEM-PRINT using Standard PC Printer Cable (DB25 to 36 pin *Centronics*).

OPERATION

The GEM-PRINT is fully automatic except for paper changes. Push Button SW3 (inside box) for paper alignment and Form Feed functions. JP1 must have shunt connector across Pin 1 (See table below). Programmable Printer Supervisory: The Control Panel can supervise the printer and cause an E27-00 Printer Supervisory System Trouble under the following conditions:

- The Printer fails to respond to a print request
- An idle Printer fails to respond to a poll within 30 minutes
- The Printer is out of paper

NOTE: To disable Printer Supervisory, see chart below.

| JP1 and SW3 Button Operation | | |
|------------------------------|------------------|-----------------------------|
| Short JP1 Pin # | Press Button SW3 | Operation |
| 1 | 5 Seconds | Form Feed |
| 1 | Momentary | Paper Align |
| 2 | Not Used | Not Used |
| 3 | 5 Seconds | Disable Printer Supervisory |

PROGRAMMING

Using **PCD3000**, version 3.34b or greater; for use with the GEM-P816/1632 v.9A and GEM-P3200/9600 v.20 panels only:

- Enable GEM-PRINT in By-Feature Programming Menu >> A) System Configuration Screen.
- Enter Zone Descriptions in Account Operations Menu: Descriptions >> Zones
- Enter Area Descriptions in Account Operations Menu >> Descriptions >> Areas
- Enter User Descriptions in By-Feature Programming Menu >> L) User/System Codes.
- In the Local or Remote Communications Menu, select: Download >> Dealer Program & Descriptions.

The User, Zone and Area descriptions are automatically transferred to the GEM-PRINT and are used when printing of activity reports.

NOTE: The GEM-PRINT is UL-listed for supplemental use only. The printer used in conjunction with the GEM-PRINT must also bear the UL mark.

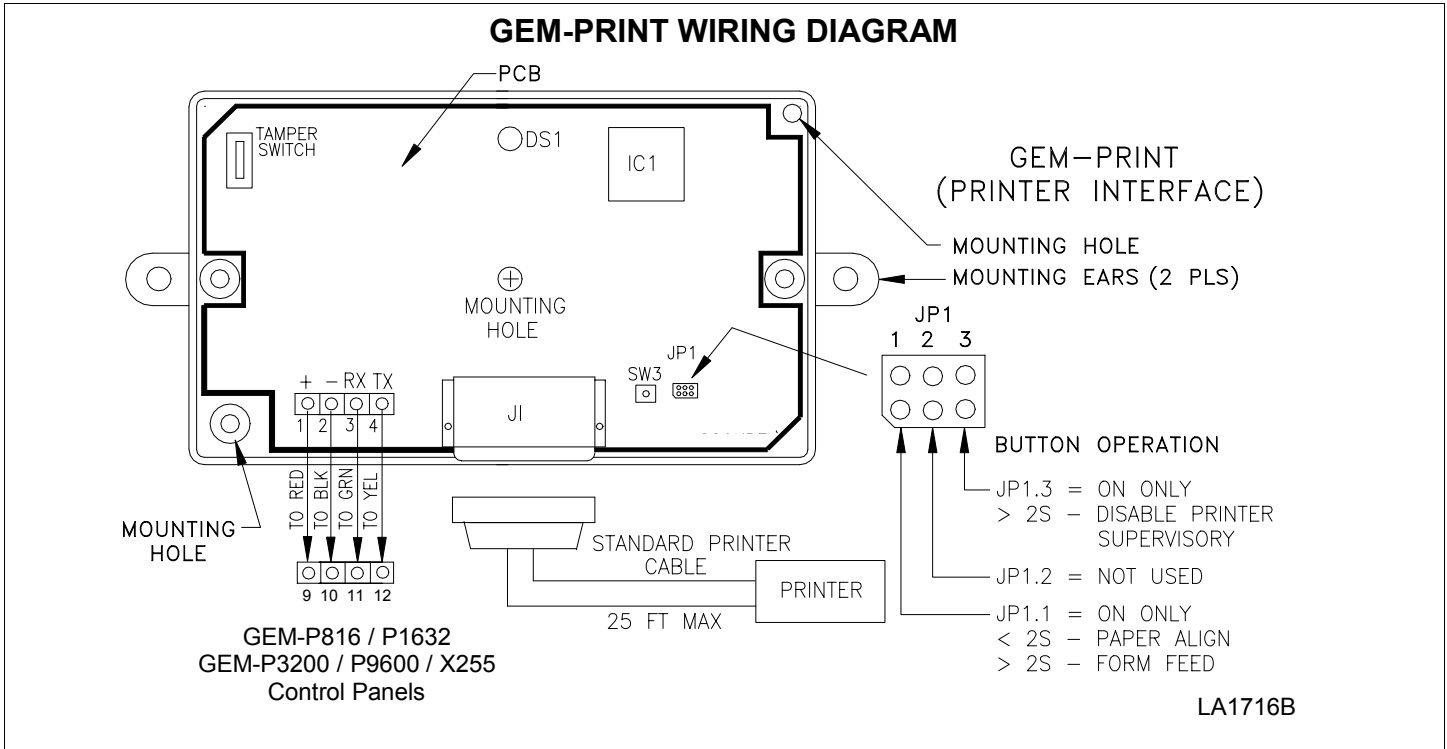
Using **PCD-Windows**, version 5.0 or greater; for use with all version control panels listed in "GENERAL DESCRIPTION" above:

- Enable GEM-PRINT in the **System Assignment** Screen, **System Options** tab;
- Configure GEM-PRINT in the **System Assignment** Screen, **GEM-PRINT Formatting** tab;

- Enter zone descriptions in the **Zone Assignment** screen;
- Enter area descriptions in the **Area Assignment** screen, **Area Descriptions** tab;
- Enter user descriptions in the **User Assignment** screen, **User/System Codes** tab;
- Enter local or remote downloading by holding the Shift

key on the keyboard and selecting the appropriate method of communications. Upon selecting **Download to Panel**, select the following:

- **Dealer**
- **Descriptions**
- **Configuration**
- **Languages/Messages.**



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NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following: criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

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