



**NAPCO®**

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# GEM-PRINT

## Parallel Printer Interface

### INSTALLATION INSTRUCTIONS

WI954A 07/00

#### 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-P3200 (ver. 20 or greater)
- GEM-P9600 (ver. 20 or greater)

When installed on a control panel which has been programmed via PCD3000 V3.34 (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: 1 1/2" x 7" x 4 3/4" (HxWxD)

#### 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, Laser Jet or Ink Jet printers which require a Windows based operating system.**

#### MOUNTING INSTRUCTIONS

GEM-PRINT can be mounted to flat surface with (2) 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 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 min.
  - 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

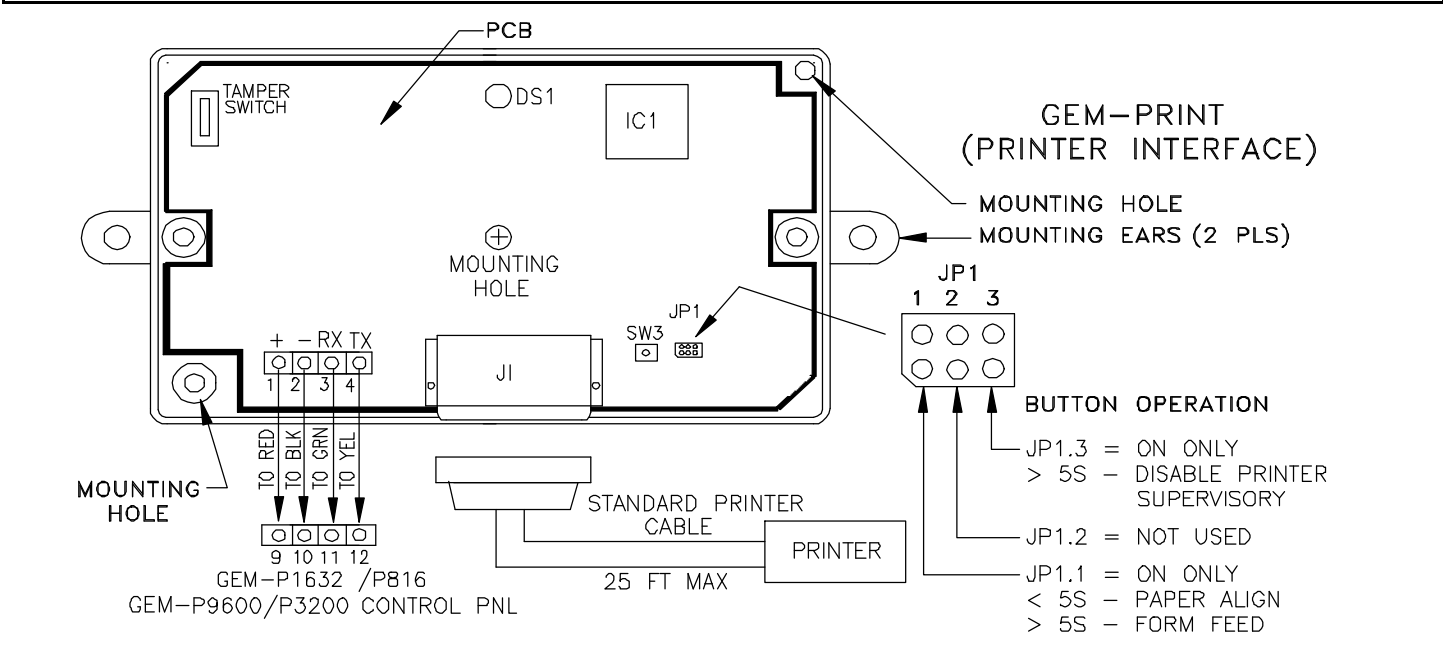
Using PCD3000, version 3.34 or greater:

- 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 will automatically be transferred to the GEM-PRINT and be used in the printing of activity reports.

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

## GEM-PRINT Wiring Diagram



LA1716B

**NAPCO LIMITED WARRANTY**

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for thirty-six months following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

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Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

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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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