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GEMC-FPRINT
Parallel Printer Interface
DATA SHEET

WI1898 09/10

GENERAL DESCRIPTION

The GEMC-FPRINT Parallel Printer Interface is a Fire bus-connected device that allows the Gemini C-Series control panels to be connected to a parallel printer for the purpose of recording system activity. When installed on a Gemini C-Series control panel that has been programmed via PCD-Windows v.6.0 (or greater), the GEMC-FPRINT will create reports using the same custom User, Area and Zone descriptions which have been entered into the downloader software (see PROGRAMMING). The GEMC-FPRINT provides signal and ground isolation between the control panel and the printer and protects the control panel from shorts, transients and surges that may emanate from the printer or the associated cabling.

SPECIFICATIONS

Electrical Ratings
Input Power: 12VDC nominal; 90mA maximum.
Output Power: N/A.

MAXIMUM WIRE LENGTH

The GEMC-FPRINT may be mounted on the control panel fire bus up to 500 feet (with #22AWG wire) or 1000 feet (with #18AWG wire) from the control panel. The Parallel Printer must be mounted with 20 feet (6.1m) of the GEMC-FPRINT module and shall reside in the same room as the GEMC-FPRINT with no intervening walls or barriers.

SYSTEM REQUIREMENTS

The following system hardware is required:
- Gemini C-Series 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.

PHYSICAL

Dimensions (HxWxD): $3\frac{5}{8}$" x 7" x $1\frac{5}{8}$"

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 Marshal (Pending)
FM Approval: (Pending)
NYCFD: NYC Fire Department (Pending)

ORDERING INFORMATION

GEMC-FPRINT: Printer Module, supports parallel printer, suitable for Commercial Fire and/or Burg applications.

GEMC-FPRINT WIRING DIAGRAM

ELECTRICAL RATINGS
INPUT POWER: 12VDC NOMINAL;
90mA MAXIMUM.

INDOOR / DRY
LOCATION USE
ONLY

STANDARD PRINTER CABLE
20 feet (6.1m) maximum
PRINTER

TO RED / TO BLK / TO GRN / TO YEL
18 19 20 21
GEMINI C-SERIES
CONTROL PANELS

NOTES:
1. ONE WIRE PER TERMINAL ONLY.
2. WIRE RANGE 18-22 AWG.

SEE WI1708

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 Supervision