

## FEATURES:

- 1 to 255 Addressable points
- 1 to 255 Conventional Zones
- 1 to 125 Commercial Wireless Devices
- 1 to 255 Zones of Combination Technology
- Full English Language Keypad
- Dual Line Digital Communicator (SIA & Point ID)
- Internet Communications
- 195 individual User Codes
- 4 NAC Circuits (7 Amp)
- Fully Isolated Fire & Security Bus Communications
- Up to 15 Remote Annunciator
- Backup, Split & Dual reporting capabilities
- "Error check" feature assist in proper programming

## DESCRIPTION:

NAPCO's Firewolf C-Series are state-of-the-art micro-computer-based combination Commercial Fire, Commercial Burglary, Residential Fire and/or Residential burglary alarm control panels of modular design. The GEMC-255 will support up to 255 zones with optional zone expansion modules, wireless receiver modules, Fire and Burg SLC modules and/or GEMC-BK1 keypads (with integral zone expander).

Each C-Series control panel includes an integral dual telephone line digital communicator, with two RJ-45 jacks for each supervised telephone line (with programmable delay), two RJ-25 jacks for local downloading, home automation (not permitted in UL installations) and NL-MOD integration; four 2A NAC circuits, relay output, trouble sounder output, active low E7 and E8 outputs, keyswitch input, remote bus and aux. power output and tamper input, two SLC module connectors, and an input for battery harness. **Note:** Only two NAC circuit terminals (NAC A and NAC D with optional 12V or 24V) are available on the GEMC-96 and GEMC-32. Keypads feature a liquid-crystal display for messages. In normal use, the LCD shows zone identification, system status messages and 4 distinct status icons. Conventional LED's and a sounder are also provided for annunciation. Data may be quickly and easily downloaded to the control panel using a PC-compatible computer with NAPCO's PCD-Windows Quickloader Download software and a PCI2000 computer interface. Or, the panel may be programmed using the keypad in its secondary mode of operation. In keypad programming modes (there are two: Dealer and User), the LCD shows memory address, data values, programming prompts, and the alphanumeric characters required for entering up to 195 user codes and custom zone descriptions.

# Fire Alarm Control Panels



## AGENCY LISTINGS

### For the Firewolf GEMC-System

- 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
- UL294: Access Control Systems
- NFPA 72 National Fire Alarm Code
- Security Industry Association (SIA) False Alarm Reduction Standard CP-01
- CSFM: California State Fire Marshall (Fire Systems Only)
- NYCFD: NYC Fire Department (Fire Systems Only)

## SPECIFICATIONS

### GEMC-255MB, GEMC-128MB, GEMC-96MB and GEMC-32MB and C-Series Motherboards

#### ELECTRICAL RATINGS

##### Motherboard Power Supply (GEMC-PS24V7A and GEMC-PS24V4A)

**Input Power:** 120AC 60Hz, 3A; maximum 15A dedicated branch circuit

##### Motherboard (GEMC-255MB, GEMC-128MB, GEMC-96MB and GEMC-32MB)

**Input Power:** 24VDC, maximum 7A.

## ORDERING INFORMATION

### GEMC-FW-255KT

FIREWOLF 255 Zone Capacity Motherboard Commercial

Addressable Alarm Panel Kit, includes:

- Large 14x25 Mercantile Grade - Surface or Semi-flush - Red Enclosure
- GEMC-PS24V7A-R 7A, 24V Power Supply (4 NAC circuits)
- GEMC-FW-SLC 128 Point Addressable Fire SLC Module (1 included in kit)
- GEMC-FK1 Red LCD Fire Keypad

### GEMC-FW-128KT

FIREWOLF 128 Zone Capacity Motherboard Commercial

Addressable Alarm Panel Kit, includes:

- Large 14x25 Mercantile Grade - Surface or Semi-flush - Red Enclosure
- GEMC-PS24V7A-R 7A, 24V Power Supply (4 NAC circuits)
- GEMC-FW-SLC 128 Point Addressable Fire SLC Module, (1 included in kit)
- GEMC-FK1 Red LCD Fire Keypad

### GEMC-FW-32KT

FIREWOLF 32 Zone Capacity Motherboard Commercial

Addressable Alarm Panel Kit, includes:

- Small 14x16 Mercantile Grade - Surface or Semi-flush - Red Enclosure
- GEMC-PS24V4A-R 4A, 24V Power Supply (2 NAC circuits)

- GEMC-FW-SLC 32 Point Addressable Fire SLC Module (1 included in kit)
- GEMC-FK1 Red LCD Fire Keypad

### GEMC-FW32CONVKT

FIREWOLF 32 Zone Capacity Motherboard Commercial

Conventional Fire Alarm Panel Kit includes:

- Small 14x16 Mercantile Grade - Surface or Semi-flush - Red Enclosure
- GEMC-PS24V4A-R 4A, 24V Power Supply (2 NAC circuits)
- GEMC-F8ZCPIM Conventional (8) Zone 2-wire Fire Input module (1 included in kit; for additional conventional zones please add GEMC-EZM8 modules)
- GEMC-FK1 Red LCD Fire Keypad

### Additional Options also available:

*Conventional zones, Commercial wireless or addressable points can be added to any Fire FIREWOLF panel*

- GEMC-EZM8 Eight (8) hard wired zone expansion module (Burg or Fire)
- GEMC-RECV Commercial Burg or Fire Addressable wireless Receiver (255 point capacity; 4 max.)
- GEMC-FW-FSLC 127 Point Analog Addressable module (2 max. per FACP)
- GEMC-RM3008 Eight (8) Form "C" relay outputs (programmable for Burg or Fire output functions)
- GEMC-F8ZCPIM Eight (8) Conventional Fire Zone module (1 mounts on main motherboard)



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## WARNING

INCORRECT CONNECTION MAY RESULT IN IMPROPER OPERATION OR DAMAGE TO THE SYSTEM.

### NOTES:

1. CONNECT ONLY TO POWER LIMITED CIRCUITS.
2. NAC'S A, B & C: 2A MAXIMUM CURRENT REGULATED NOTIFICATION APPLIANCE CIRCUIT.
3. NAC D: 2A MAX CURRENT, ADJUSTABLE TO 24V OR 12V NOTIFICATION APPLIANCE CIRCUIT.
4. AUX PWR: 650mA MAXIMUM, 12V REGULATED OUTPUT. REM PWR: 750mA MAXIMUM, 12V REGULATED OUTPUT.
5. FIRE AUX RELAY, 650mA MAXIMUM, 12V REGULATED OUTPUT, OR WHEN DRY; 2A, 30V MAXIMUM.
6. REPLACE BATTERY FUSE F500 WITH UL LISTED 12.5A, 250V FUSE (NAPCO PART NO. FS126)
7. ALL WIRING IS POWER LIMITED EXCEPT FOR BATTERY LEADS BELOW TOP SHELF.
8. CAUTION: DISCONNECT POWER BEFORE SERVICING POWER SUPPLY.
9. MAXIMUM 2A CHARGING CURRENT. USE ONLY 7AH 7.5AH, 8AH BATTERIES.
10. GREEN "PWR ON" LED INDICATES UNIT IS POWERED BY AC AND/OR BATTERY.
11. REPLACE BATTERIES EVERY 4 YEARS OR EARLIER IF REQUIRED.

THIS UNIT INCLUDES AN ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM ALARM SIGNAL FROM THE INDICATED CIRCUITS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. NO OTHER SMOKE DETECTORS SHALL BE CONNECTED TO THESE CIRCUITS UNLESS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

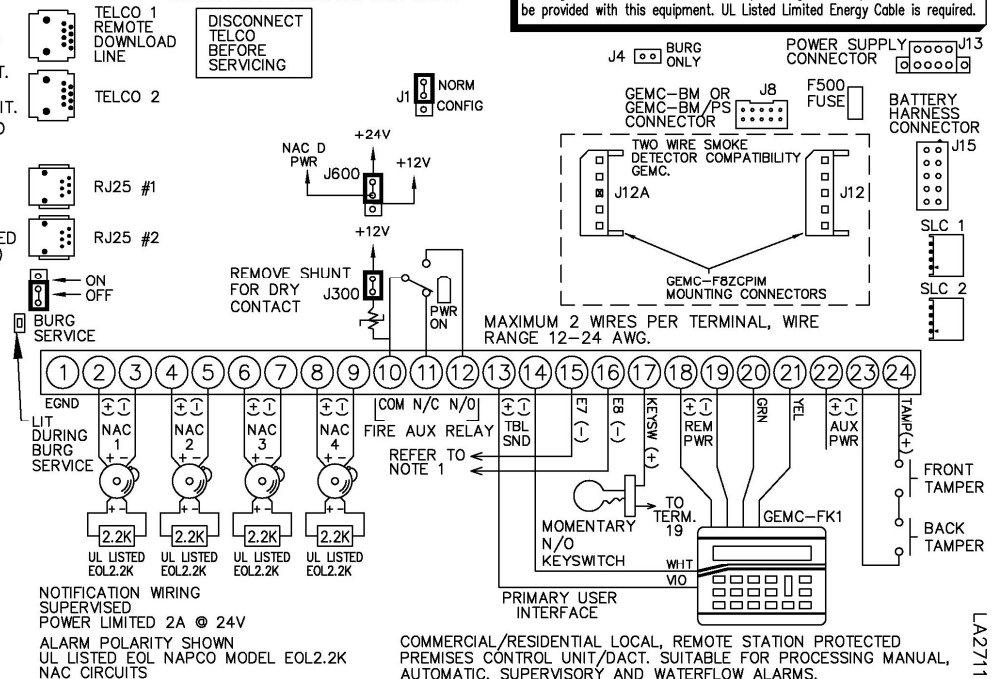
CIRCUIT ZONES	CONTROL UNIT DELAY-SEC	SMOKE DETECTORS
MODEL	DELAY-SEC.	

THE DELAY (POWER UP) (STARTUP) TIME MARKED ON THE INSTALLATION WIRING DIAGRAM OF THE SMOKE DETECTOR OR ON THE INSTALLED SMOKE DETECTOR(S) IS TO BE USED.

## WIRING DIAGRAM

GEMC-255MB, GEMC-128MB,  
GEMC-96MB & GEMC-32MB

INDOOR DRY LOCATION USE ONLY.



REFER TO INSTALLATION INSTRUCTIONS W1653

This equipment should be installed in accordance with Chapter 2 of the National Fire Alarm Code, ANSI/NFPA 72-1996 (National Fire Protection Association Batterymarch Park, Quincy, MA 02269), and local codes. Information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment. UL Listed Limited Energy Cable is required.