24V Addressable & Conventional Fire

Addressable / Conventional 96-Point Burglary System

Award-Winning Combination Burglary/ Access & Fire 32, 128 & 255 Points

Universal NAC Extender

Regulated Auxiliary Power Supplies

Introducing the all new

Napco Commercial Platform:

The most powerful, feature-rich platform for 24V commercial fire, burglary or combination burglary/fire, supporting up to 255 zones using all-new fire and burglary devices in hardwire, wireless, conventional & addressable technologies

Firewolf 24V Commercial Intelligent Addressable Fire Panel, NFPA72-compliant, up to 96 outputs, 4 onboard NACs (6.5A total), expandable to 24, built in Sync/ Strobe/Horn Module (System Sensor & Wheelock) and dual line DACT plus optional TCP/IP reporting. Features remote Smoke Obscuration Reporting. Nearly a mile., max. wire run – any wire type –ideal for retrofits. Also supports legacy and conventional (12V) devices, too and more of them per loop! Powerful battery capacity up to 32Ah total.

Gemini-C Commercial Addressable/ Conventional 96-Point Burglary System Supports full line of new GEMC Commercial-rated conventional, addressable or wireless devices simultaneously on from 8 to 96 zones, with partitioning.

AWARD WINNING SYSTEM JUDGED TO BE THE BEST IN FIRE/LIFE SAFETY BY SIA 2011

GEM-C Combination Burglary/Access/ Fire System; UL 864, 9th Edition - Isolated commercial Burg./Access and Fire buses and option for separate burg/access battery backups-- easy calcs., ideal for AHJs. No costly extra Bus Isolator or Loop Isolator modules required! Integrates with GeminiAccess ACM Module. Uses familiar Quickloader Up/downloading and Gemini style keypads in burglary or fire models.

✔ More zones – 255, 128 or 32 points
✔ More power – 7 amps
✔ More NAC's – Up to 4 on board
✔ Built in strobe/horn synch
✔ More standby power
✔ 32 Amp hour battery capacity
✔ Regulated 24V output

NAC Extender provides nearly 7A and 4 onboard NACs with up to 2A ea; up to 16Ah total battery capacity. Easily distributes synched bell and strobe outputs with built in module. Monitors AC, battery trouble, tamper and ground fault on Napco bus or provides *universal* FACP support.

Regulated Auxiliary Power Supplies Commercial burglary or fire, 12V regulated 2A models (fire shown); or 1.75A version with plug-in transformer. Backward compatible with all Gemini Panels. Alarm panel supervised power option. Ideal for simultaneous powering of CCTV cameras.

Firewolf Advanced Analog Addressable Commercial Fire Devices support auto-drift compensation and maintenance alert function

Gemini-C Addressable Commercial Burglary Devices permit longest loop length, upto 10,000 feet; no repeaters necessary!

Gemini-C New UL Commercial Wireless Line with supervised tamper & automatic, continuously supervised signal strength (requires no manual test activation).

Gemini-C Burglary & Firewolf Menu-Driven Custom Alpha Keypads Familiar Napco ez-programming. Keypads mount anywhere on the bus. Burg model with integral 4-zone EZM.

Compliances - NFPA 72, UL Commercial Fire, UL864 9th Ed., SIA CP01, UL985. UL household & commercial burg.: UL1610, UL609, UL365, UL1023. NYC FD; CSFM (fire).

Napco Commercial™ Platform GEMC System Components: 24V Fire, Burglary or Combination Burg./Fire Systems

SYSTEM

- Main Control board supports up to (2) Addressable SLCs (Signaling Line Circuit controllers).
- Fire Addressable SLC Loop Controller
- Burg Addressable SLC Loop Controller
- Fire 4-wire bus for keypads and conventional devices
- Burglary Control Module
  - Provides Isolated Burg 4-wire bus for keypads and conventional devices
  - Provides independent Burg battery connection and charger
  - Provides 12V power
  - Independent Burg Bell output
- Power Supply includes either 4A or 7A @ 24V
- Integrates with NAPCO ACM – Access Control Modules
- RS-232 Printer Module for optional onsite parallel printer
- Supports a maximum of 15 Keypads, mounted anywhere on the bus, fire GEMC-FK1 or burg. GEMC-BK1. (7 fire keypads, max. Or, as few as 1 fire keypad required on fire system or equipment savings.)
- Addressable SLC Loop Isolator (optional use - for some fire applications requiring increased circuit integrity)
- Dual Phone Line built in
  - 2 Onboard Serial Ports - One for internet reporting; One for high-speed local downloading
- TCP/IP Internet reporting module
- Regulated Auxiliary Power Supplies - Commercial Burglary or fire, 12V regulated 2A or 1.75A version with plug in transformer
- Choice of two panel enclosures - Between the studs enclosure, recess or surface mount. Larger version, with reversible door, supports up to 32Ah at 24V. Dimensions: 24" x 14.25" x 5.2" (H x W x D) without cover. Removable battery shelves, accomodate pairs of 7Ah, 7.5Ah and 8Ah batts. etc. Smaller Enclosure – supports 16Ah at 24V. Dimensions: 16" x 14.25" x 5.2" (H x W x D) without cover. (16Ah battery backup capacity).

INPUTS

Up to 255 Zones. Points/Zones can come from any of the following initiating devices (in up to 8 partitionable areas):

- Addressable SLC Loop (Burg or Fire) – supports up to (2) 126 point loops
- Commercial RF Receiver –
- Supports Commercial Wireless Fire devices
  - Wireless Smoke Detector
  - Wireless Heat Detector
- Supports Commercial Wireless Burglary devices
  - Wireless PIR Sensor
  - Wireless Dual Technology Sensor
  - Wireless Glass break Sensor
  - Wireless 2-Point Window/Door Transmitter
- Conventional 1- to 4-zone EZM Expansion modules on the 4-wire burg or fire bus or SLC loops
- Conventional 2-wire or 4-wire smoke detector input module
- Addressable SLC Fire Devices Supported:
  - Analog Smoke Detector
    - Heat Detector
    - Duct Detector
    - Pull Station
    - Conventional Zone Module
    - Short Circuit Isolator
- Addressable SLC Burg Devices Supported:
  - 1 Zone Burg Input Module
  - 4 Zone Burg Input modules
  - PIR Motion Sensor
  - Dual Tech Microwave/PIR Sensor

OUTPUTS

Up to 96 outputs

- Four on board Class B or 2 Class A NAC circuits, 2 amps each, total 6.5 amps at 24V
- Built in Wheelock and System Sensor NAC sync/strobe/horn protocol allows initial silence of audible appliances while maintaining visual notification, without the use of additional modules.
- Addressable SLC Fire Devices: Supervised relay, unsupervised relay
- Addressable SLC Burg Devices: unsupervised relay
- Burg/Fire 4-wire bus devices: 8 zone form C relay (GEMC-RM3008), 8 open collector output (GEMC-OUT8)

Napco Commercial Platform Systems Simultaneously support *all-new* UL commercial Firewolf fire and Gemini burglary devices in hardwire, wireless and addressable technologies

Napco Commercial Platform Advantages

- **Easy Wire Compatibility** -SLC controller supports shielded, unshielded, twisted and untwisted wire - ideal for retrofits
- **Longer SLC loop lengths, support more device load each, too** (see below for distance at maximum device load in alarm/standby each)
  - 10,000ft. #14AWG • 6,200ft #16AWG • 4,000 ft. #18AWG
- **Support for Legacy and Existing Notification Appliances** - One NAC output configurable for 12V for easy retrofit compatibility
  - UL Regulated NAC outputs
- **Automatic drift compensation for system's analog smoke detectors**
- Separate 7A NAC Extender – (4) NAC's, may be installed anywhere on the 4-wire bus. Provides universal FACP support.
- Keypads mount anywhere on the bus and have flash-able firmware – for updates via Quickloader
- **Smoke Obsuration Report** -Quickloader device sensitivity report allows the printout of a report for the AHJ listing the current status of all analog smoke detectors in the system including the programmed obscuration level for each device and the actual sensitivity reading for each device. Report is generated in 3 ways- either remotely (uploaded) or locally through notebook PC or use optional onsite printer.
- Isolated backup battery circuits for Burglary and Fire for EZ backup calculation and AHJ compliance; allows dealer to accommodate separate backup times for burg and fire. This allows burg system to drop out after burg battery depletion, while fire system is maintained and extremely stable for extended period.
- **Full line of UL Commercial Devices for more flexibility & labor-savings Example, Use Gemini Commercial Wireless 2-input module (GEMC-WL-WD2) to convert any UL listed device into a UL wireless device, ideal for sprinkler supervisories or for use with pull stations** (mounts on top of wall/conduit or in deep sngle-gang box (plastic).

Firewolf Fire-Only 24V Intelligent Addressable Fire Configuration, NFPA72

- Main Control board - supports (1) Addressable Fire SLC controller
- Fire 4-wire bus for keypads and conventional devices
- Power Supply 7A and 4A
- RS-232 Printer Module
- Fire Keypad with Gemini-style Menu-functionality
- Dual Phone Line built in; Synch module built in (System Sensor & Wheelock protocols)

Firewolf 32-Point Conventional Kit for Sprinkler/Waterflow
(See ordering info.)

NAC Extender - Powerful flexibility

- Nearly 7Amps power
- 4 onboard NACs with up to 2A ea., expandable for up to 24 per system
- Up to 16Ah total battery capacity
- Regulated 24V Aux. power
- Distributes synched bell and strobe outputs with built-in module
- Monitors AC, battery trouble, tamper and ground fault on Napco bus *-or-* provides *universal* FACP support.

Gemini-C Burglary-Only Configuration, Commercial Conventional/Addressable 96-Zone System

- Supports full line of new GEMC Commercial-rated addressable, conventional or wireless devices simultaneously
- 8 to 96 fully-configurable zones, with up to 7 partitions
- Familiar Napco Quickloader up/downloading and keypad operation
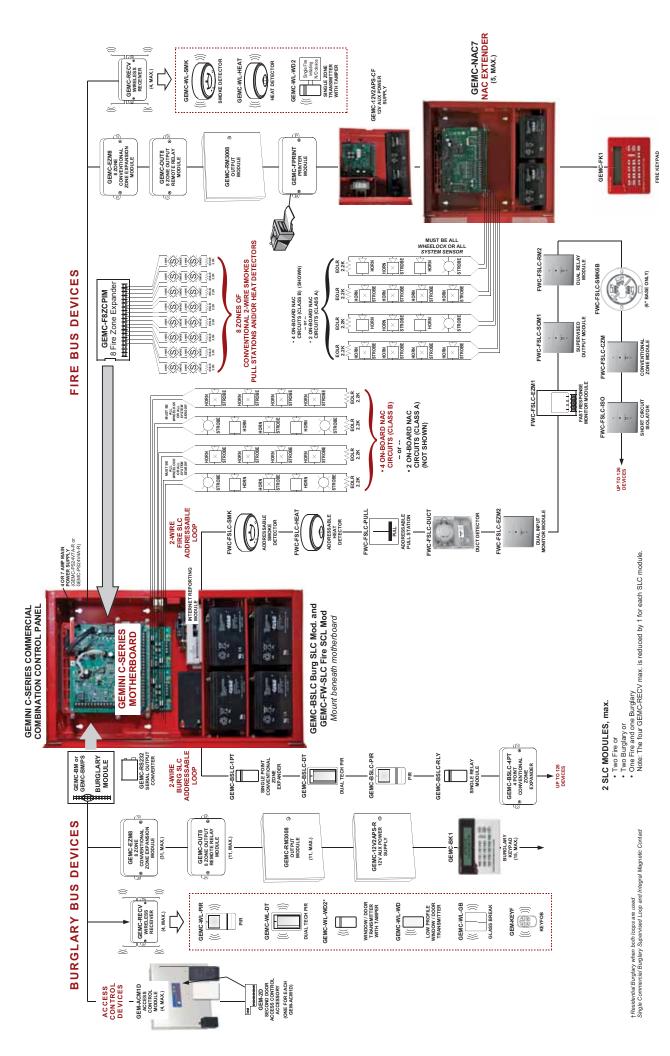- Dual line DACT on board

Compliances

NFPA 72, UL Commercial Fire, UL864 9th Ed., SIA CP01, UL985. UL household & commercial burg.: UL1610, UL609, UL365, UL1023. NYC FD; CSFM (fire).

NAPCO | COMMERCIAL

GEMC & FIREWOLF SYSTEM COMPONENTS

Platform supports commercial analog, addressable, wireless or conventional fire or burglary devices.

FIRE BUS DEVICES

GEMC-RECV WIRELESS RECEIVER (4, MAX.)

GEMC-WL-SMK — SMOKE DETECTOR
GEMC-WL-HEAT — HEAT DETECTOR
GEMC-WL-WD2 — SINGLE ZONE TRANSMITTER WITH TAMPER
Single Fire Initiating N/O device

GEMC-EZM8 8 ZONE CONVENTIONAL ZONE EXPANSION MODULE

GEMC-OUT8 8 ZONE OUTPUT RELAY MODULE

GEMC-RM3008 OUTPUT MODULE

GEMC-FPRINT PRINTER MODULE

GEMC-12V2APS-CF 12V AUX POWER SUPPLY

GEMC-NAC7 NAC EXTENDER (5, MAX.)

GEMC-FK1 FIRE KEYPAD

GEMC-F8ZCPIM 8 Fire Zone Expander

8 ZONES OF CONVENTIONAL 2-WIRE SMOKES PULL STATIONS AND/OR HEAT DETECTORS

EOLR 2.2K

MUST BE ALL WHEELOCK OR ALL SYSTEM SENSOR

- 4 ON-BOARD NAC CIRCUITS (CLASS B) (SHOWN)
— or —
- 2 ON-BOARD NAC CIRCUITS (CLASS A)

HORN STROBE EOLR 2.2K

FWC-FSLC-RM2 DUAL RELAY MODULE
FWC-FSLC-SOM1 SUPERVISED OUTPUT MODULE
FWC-FSLC-SMK6B (6" BASE ONLY)
FWC-FSLC-EZM1
FWC-FSLC-CZM CONVENTIONAL ZONE MODULE
FAST RESPONSE MONITOR MODULE
FWC-FSLC-ISO SHORT CIRCUIT ISOLATOR

UP TO 126 DEVICES

2-WIRE FIRE SLC ADDRESSABLE LOOP

MUST BE ALL WHEELOCK OR ALL SYSTEM SENSOR

HORN STROBE EOLR 2.2K

- 4 ON-BOARD NAC CIRCUITS (CLASS B)
— or —
- 2 ON-BOARD NAC CIRCUITS (CLASS A) (NOT SHOWN)

FWC-FSLC-SMK ADDRESSABLE SMOKE DETECTOR
FWC-FSLC-HEAT ADDRESSABLE HEAT DETECTOR
FWC-FSLC-PULL PULL ADDRESSABLE PULL STATION
FWC-FSLC-DUCT DUCT DETECTOR
FWC-FSLC-EZM2 DUAL INPUT MONITOR MODULE

4 OR 7 AMP MAIN POWER SUPPLY (GEMC-PS2AV7A-R or GEMC-PS2AV4A-R)

INTERNET REPORTING MODULE

GEMINI C-SERIES COMMERCIAL COMBINATION CONTROL PANEL

GEMINI C-SERIES MOTHERBOARD

GEMC-BSLC Burg SLC Mod. and GEMC-FW-SLC Fire SCL Mod
Mount beneath motherboard

2-WIRE BURG SLC ADDRESSABLE LOOP

GEMC-BM or GEMC-BM/PS BURGLARY MODULE

GEMC-RS232 SERIAL OUTPUT CONVERTER

GEMC-BSLC-1PT SINGLE POINT CONVENTIONAL EXPANDER
GEMC-BSLC-DT DUAL TECH PIR
GEMC-BSLC-PIR PIR
GEMC-BSLC-RLY SINGLE RELAY MODULE
GEMC-BSLC-4PT 4 POINT CONVENTIONAL EXPANDER

UP TO 126 DEVICES

2 SLC MODULES, max.
- Two Fire or
- Two Burglary or
- One Fire and one Burglary
Note: The four GEMC-RECV max. is reduced by 1 for each SLC module.

BURGLARY BUS DEVICES

GEMC-EZM8 8 ZONE CONVENTIONAL ZONE EXPANSION MODULE (31, MAX.)

GEMC-OUT8 8 ZONE OUTPUT RELAY MODULE (11, MAX.)

GEMC-RM3008 OUTPUT MODULE (11, MAX.)

GEMC-12V2APS-R 12V AUX POWER SUPPLY

GEMC-BK1 BURGLARY KEYPAD (15, MAX.)

GEMC-RECV WIRELESS RECEIVER (4, MAX.)

GEMC-WL-PIR PIR
GEMC-WL-DT DUAL TECH PIR
GEMC-WL-WD2* WINDOW / DOOR TRANSMITTER WITH TAMPER
GEMC-WL-WD LOW PROFILE WINDOW / DOOR TRANSMITTER
GEMC-WL-GB GLASS BREAK
GEM-KEYF KEYFOB

ACCESS CONTROL DEVICES

GEM-ACM1 D ACCESS CONTROL MODULE (4, MAX.)
GEM-2D SECOND DOOR ACCESS CONTROL ACCESSORY (ONE FOR EACH GEM-ACM1D)

†Residential Burglary when both loops are used
Single Commercial Burglary Supervised Loop and Integral Magnetic Contact

NAPCO COMMERCIAL GEMINI-C & FIREWOLF SERIES SYSTEM ORDERING INFORMATION

Napco Commercial Combo. Burglary/Fire Kits

GEMC-COMBO255KT
255 Point GEM-C Commercial Combo. Fire/Burg System Kit
- 24V Panel, 255 Points via commercial addressable, wireless or conventional fire or burg. devices, 4 on board NACs, 8 partitions (No Loop Isolator/Extender required)
- 7 Amp, 24V Power Supply
- Burg. Module, with power supply with built in bus isolator for complete separation of fire and burg power and battery standby operation
- Built in horn/strobe synch. module on each NAC
- Built in dual line communicator; dual onboard serial ports
- Quickloader up/downloading including remote smoke obscuration reporting
- Locking, Large Red Enclosure, 16 x 25" reversible door, with 14.25" x 25" base. Houses up to 32Ah battery backup.
- Menu-driven LCD Fire Keypad mounts anywhere on bus (Also, full keyswitch support)

GEMC-COMBO128KT
128 Point GEM-C Commercial Combo. Fire/Burg System Kit
As above, but with
- 24V Panel, 128 Points via commercial addressable, wireless or conventional fire or burg. devices, 4 on board NACs, 8 partitions (No Loop Isolator/Extender required)

GEMC-COMBO32KT
32 Point GEM-C Commercial Combo. Fire/Burg System Kit
Similar to above, but with
- 24V Panel, 32 Points via commercial addressable, wireless or conventional fire or burg. devices, 2 on board NACs, 8 partitions (No Loop Isolator/Extender required)

Napco Commercial Fire Kits

GEMC-FW-255KT
255 Point GEM-C Firewolf™ 24V Commercial Fire System Kit
- 24V Panel, 255 Points via commercial addressable, wireless or conventional fire devices, 4 on board NACs providing up to 6.5A notification power
- 7 Amp, 24V Power Supply
- Built in horn/strobe synch. module on each NAC
- Built in dual line communicator; dual onboard serial ports
- Quickloader up/downloading including remote smoke obscuration reporting
- Locking, Large Red Enclosure, 16 x 25" reversible door, with 14.25" x 25" base. Houses up to 32Ah battery backup.
- Menu-driven LCD Fire Keypad mounts anywhere on bus. (Also, full keyswitch support)

GEMC-FW-128KT
128 Point GEM-C Firewolf™ 24V Commercial Fire System Kit
As above, but with
- 24V Panel, 128 Points via commercial addressable, wireless or conventional fire devices, 4 on board NACs providing up to 6.5A notification power

GEMC-FW-32KT
32 Point GEM-C Firewolf™ 24V Commercial Fire System Kit
Similar to above, but with
- 24V Panel, 32 Points via commercial addressable, wireless or conventional fire devices, 2 on board NACs providing up to 4A notification power
- Locking, Medium Red Enclosure, 16 x 17" door, with 14.25" x 16" base. Houses up to 16Ah battery backup.

GEMC-FW32CONVKT
32pt GEMC Conventional Commercial Fire System Kit, ideal for sprinkler/waterflow apps. *24V Panel, 32 Points via commercial addressable, wireless or conventional fire devices, 4 on board NACs providing up to 6.5A notification power*
- Locking, Medium Red Enclosure, 16 x 17" door, with 14.25" x 16" base. Houses up to 16Ah battery backup.
- 4 Amp, 24V Power Supply
- Conventional 8-zone 2-wire fire input module, for conventional 2-wire smokes or any conventional fire detection device (GEMC-F8ZCPIM)
- Built in horn/strobe synch. module on each NAC
- Built in dual line communicator; dual onboard serial ports
- Quickloader up/downloading including remote smoke obscuration reporting (for addressable detectors)
- Menu-driven LCD Fire Keypad mounts anywhere on bus (GEMC-FK1)

Napco Commercial Burglary Kit

GEMC-BURG96KT
96pt GEMC Addressable Commercial Burglary System Kit *24V Panel, 96 Points via commercial addressable, wireless or conventional burg. devices, 7 partitions*
- Locking, Medium White Enclosure, 16 x 17" door, with 14.25" x 16" base. Houses up to 16Ah battery backup.
- 4 Amp, 24V Power Supply
- Addressable SLC Burg Module, supports up to 96 addressable SLC burg devices (GEMC-BSLC)
- Built in dual line communicator; dual onboard serial ports
- Quickloader up/downloading
- Menu-driven LCD Burglary Keypad with built-in 4 zone EZM, mounts anywhere on bus (GEMC-BK1)

Commercial Fire & Burglary Accessories and Options

GEMC-BM/PS	**Burg Module with 12V power supply** provides isolated 4-wire burg bus for burg keypads and devices, plus 12V power output for aux. devices. Independent Burg. Bell output. Complete separation of fire and burg power, plus indep. burg. battery connection and charger for indep. burg. standby operation in power failure.
GEMC-BM	**Burg Module**, isolated 4-wire burg bus for burg keypads and devices, plus 12V power output for aux devices. Indep. Burg bell output.
GEMC-FW-SLC	**Addressable SLC Fire Module**, supports up to 128 addressable SLC fire devices. Up to 2 connect to GEM-C panel.
GEMC-BSLC	**Addressable SLC Burg Module**, supports up to 128 addressable SLC burg devices. Up to 2 connect to GEM-C panel.
GEMC-F8ZCPIM	**Conventional 8-zone 2-wire fire input module**. Plugs into GEM-C panel, for conventional 2-wire smokes or any conventional fire detection device.

Burglary Peripherals

GEMC-BK1	**LCD Burglary Keypad** for Combo. System, with 4-zone EZM built in (Requires GEMC-BM or BM/PS Module.)
GEMC-BSLC-4PT	Addressable **SLC 4 point input** expansion module
GEMC-BSLC-1PT	Addressable **SLC 1 point input** expansion module
GEMC-BSLC-DT	Addressable **SLC Commercial Dual Tech** Microwave/PIR, 40 x 40'
GEMC-BSLC-PIR	Addressable **SLC Commercial PIR**, 50 x 50'
GEMC-BSLC-RLY	Addressable **SLC Commercial 1 point output** module
GEMC-WL-PIR	**Gemini Commercial Wireless PIR**, 50 x 50'
GEMC-WL-GB	**Gemini Commercial Wireless Glassbreak**, Acoustic 25'
GEMC-WL-DT	**Gemini Commercial Wireless Dual Tech** Microwave/PIR, 40 x 40'

Fire Peripherals

GEMC-FK1	**LCD Fire Red Keypad**
GEMC-WL-SMK	**Gemini Commercial Wireless Smoke**, Photoelectric
GEMC-WL-HEAT	**Gemini Commercial Wireless Heat**, 135° F

Common Peripherals – For Commercial Fire and/or Burglary Systems

GEMC-WL-WD	Gemini Comml Wireless slim profile **1-input wireless module**
GEMC-WL-WD2	Gemini Comml Wireless **2-input module converts any UL listed device into a UL wireless device** (ex., pull stations or sprinkler supervisories.)
GEMC-REVC	Gemini Commercial Wireless **255 point RF Receiver** (up to 4 per system, max.)
GEMC-EZM8	**8-point expansion** module
GEMC- FPRINT	Parallel **printer module**
GEMC-RM3008	**8 Form C Relay Output** Module
GEMC-NL-MOD	**Internet Reporting** Module
GEMC-RS232	**RS232 Adapter** for serial output from GEMC Panel
GEMC-OUT8	**PGM Output Module**, 8 open collector PGM outputs
GEMC-KOTAMPERKT	**Merchantile Tamper Kit**, for large panel enclosures, supervised. *(Not necessary if housing is recess-mounted.)*

Firewolf Addressable Peripherals

FWC-FSLC-SMK	Addressable **Analog SLC Smoke**, photoelectric, head**
FWC-FSLC-HEAT	Addressable **Analog SLC Heat**, 135°F, head**
FWC-FSLC-DUCT	Addressable **SLC Duct** smoke detector, photoelectric
FWC-FSLC-DUCTRA	**Remote Indicator Plate** with LED indicator & key reset.
FWC-FSLC-EZM2	Addressable **SLC 2-zone conventional expansion** module. Uses one address on SLC loop, but yields 2 indepent contact monitoring circuits, for pull stations, water flow and other dry contact alarm initiating devices.
FWC-FSLC-EZM1	Addressable **SLC 1-input conventional** module, similar to usage above.
FWC-FSLC-CZM	Addressable **SLC single module**, for montoring of dry contacts, ie., pull stations and conv. smokes
FWC-FSLC-RM2	Addressable **SLC 2-output module** (requires 1 SLC address)
FWC-FSLC-ISO	Addressable **SLC Short Circuit Module**. (Optional use, for certain apps. only; meets Class A, Style 7 loop reqts.)
FWC-FSLC-SOM1	Addressable **SLC Fire supervised output module**. Application examples: elevator recall, HVAC shutdown, add'l NAC output with power supply
FWC-FSLC-PULL	Addressable **SLC Fire Pull Station**
FWC-FSLC-PULLK	Addressable **SLC Pull Station, key reset**
FWC-FSLC-PROG2	**Tool for address-programming** SLC devices
FWC-FSLC-SMK6B	** **Smoke/Heat 6" Base**, required for FWC-FSLC- SMK and –HEAT devices

Options

GEMC-12V2APS-CF	**12VDC Power Supply for Fire Bus**, remote supervised. Direct 120VAC connection, supports 2ea. 12V, 7Ah standby batteries.
GEMC-12V2APS-R	**12VDC Power Supply for Burg. Bus**, remote supervised. Powered by supplied 16.5V, 50VA plug-in transformer, supports 2ea. 12V, 7AH standby batteries.
GEMC-NAC6	**Remote 4-output NAC Extender**, for 6.5A ttl, or 2A, max. on any 1 output. Red 14 x 16" can, connects to 120VAC, supports 32Ah standby batts. Supervised, fire bus connection. System Sensor and Wheelock NAC synch. (5 per system, for 20 add'l NAC circuits total.)
GEM-ACM1D	**Access Control Module** (with power supply, provision for back up battery, in enclosure, plug-in transformer), 1 door kit
GEM-2D	**Access Add-on 2 door plug–in PCB** for expansion of door capacity in above.

NAPCO SECURITY TECHNOLOGIES, INC.
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New GEMC Features and Accessories
Supported by Version 83A6 (V83A6) & Quickloader V6.03 or greater

The following is a summary of new Gemini Commercial Platform features and accessories supported by GEMC firmware version 83A6 that have been approved by UL and are now available. These improvements are the direct result of requests from customers and AHJ's across the country.

New GEMC Features:

Horn/Strobe Simultaneous Silence

Added the programmable option to silence STROBES AND HORNS of Smart NAC appliances together with one push of the SILENCE button, which allows compliance with NFPA 2007 and 2010. This is a global feature and applies to all SMART NAC circuits, including those on the NAC Extender, GEMC-NAC7S. Enable using Direct Address Program Mode at address 7952 option 5 or program using PCD-Windows QuickLoader in the NAC Output Assignment / NAC Output-Options tab.

Keypad 1 Always Unlocked for User Functions

When enabled, Fire Keypad #1 remains unlocked continually, allowing ALL User functions to be executed on Fire Keypad #1. These "User functions" include Fire system tasks such as acknowledging, resetting and silencing alarms, but do not include control panel programming changes. Enable using Direct Address Program Mode at address 7952 option 7 or program using PCD-Windows QuickLoader in the Keypad Assignment screen, Keypad Features tab.

Single Button Supplemental Reset

Added the ability to press and HOLD the "0" key to reset the SUPPLEMENTAL OUTPUT relays - this allows for a one button push to reset these outputs, which has been requested by AHJ's who want single button presses to control key features. Silence and Reset are already single button but normal resetting of Supplemental Relays requires the user to enter the User Menu and scroll down to the "Reset Supplemental Relay" selection and then press a button. The GEMC-FK1 keypad firmware version 1C has been modified to allow a hold down of a "0" to be execute the same command as the menu selection of "reset supplemental Relay". This feature is not programmable; it is available anytime the keypad is unlocked.

All Keypads Unlocked for Silence, Reset & Supplemental

When enabled, the SILENCE and RESET keys and the Supplemental Relay Reset key function (pressing and holding the zero keypad key) are continually enabled all Fire keypads. Enable using Direct Address Program Mode at address 7952 option 8 or program using PCD-Windows QuickLoader in the Keypad Assignment screen, Keypad Features tab.

Coded Cadence 4 Cycles only

When enabled, the number of repeated coded cadence alarm patterns is limited to 4 cycles (imitating coded boxes that only had enough spring capacity to turn the coded wheel 4 times). Enable using the

keypad Direct Address Program Mode at address 5327 option 1 or program using PCD-Windows QuickLoader in the NAC/Output Assignment screen, NAC/Output Options tab.

Unattended Download Mode

When enabled, allows unattended downloading from a computer for Fire Alarm installations using PCD-Windows QuickLoader software. This feature is enabled ONLY by (keypad) Direct Address Program Mode by an authorized Dealer, regardless of the Remote Downloading Rules (located in WI1673 Volume 1) and CANNOT be overridden by QuickLoader. This feature is disabled by default, and will not trigger an "Error Check Required" (E28) trouble message when enabled. Enable using Direct Address Program Mode by pressing "1" at address 8163. To inform the Dealer if this option was enabled via the keypad, PCD-Windows QuickLoader (in the Keypad Assignment screen, Keypad Features tab) contains a nonfunctional "Unattended Download Mode" checkbox that is checked when enabled and grayed-out when disabled.

Disable Panel Error Check Required Mode

Allows the dealer to choose to require a QuickLoader error check be performed after programming the control panel. Enable using Direct Address Program Mode at address 5326 option 6 (enter a "1") or program using PCD Windows QuickLoader in the Keypad Assignment screen, Keypad Features tab. For more information, see the Fire Glossary located in WI1653 volume 2.

New GEMC Accessories:

GEMC-KEYSWKIT Keyswitch Kit Option

To be used in cases where it is required that a keyswitch be used to unlock the fire keypad. The GEMC-KEYSWKIT consists of an easy-to-install keypad / keyswitch mounting box that allows codeless locking and unlocking of the Napco GEM-FK1 Fire alarm keypad. The GEMC-KEYSWKIT is designed to be mounted to a one, two or three-gang electrical box, or to a hollow wall using mounting hardware appropriate for the mounting surface. The keyswitch is wired into one of two existing GEMC-FK1 keypad inputs; when the key is inserted and rotated, the keyswitch closes, triggering a keypad command to the control panel to unlock that keypad.

This feature may be configured to allow either a maintained or momentary keyswitch closure to unlock the keypad for a 15 minute period OR a maintained keyswitch closure which will unlock the keypad when opened will lock the keypad when closed

GEMC-LOCK-CAT30 Key-Alike Option

To be used in cases where it is required that the same key used to reset the pull stations also be used to unlock the control panel enclosure. Simply replace the standard enclosure lock with the GEMC-LOCK-CAT30 to "key alike" the pull station and enclosure lock. Note - the GEMC-KEYSWKIT, above is also keyed to CAT 30, allowing one key to unlock the keypad, reset the pull stations and open the GEMC control panel enclosure.

FN-CTM City Tie Module Option

The FN-CTM is a City Tie Module used to connect the GEMC Fire Alarm Control Panel to a Local Energy type City Tie Monitoring circuit. The FN-CTM City Tie Module circuit provides the power necessary to trip the Master Box Trip Coil when the Fire Alarm Control Panel goes into alarm.

The City Tie Circuit is capable of providing 1A for 0.5 seconds to operate the Master Box Trip Coil. The wiring is supervised to the Master Box by placing the EOL resistor device on the terminals of the FN-CTM City Tie Module.