



NAPCO SECURITY TECHNOLOGIES, INC.

333 Bayview Avenue, Amityville, New York, U.S.A. 11701

800-645-9445 (631) 842-9400 FAX (631) 842-9137

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.