



333 Bayview Avenue
Amityville, New York 11701
For Sales and Repairs, (800) 645-9445
For Technical Service, (800) 645-9440
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SECURITY INDUSTRY ASSOCIATION CP-01 STANDARD PROGRAMMING ADDENDUM

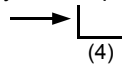
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For GEM-P801 control panels with firmware version 3 or greater, this addendum specifies the new programming locations that are required for compliance with the Security Industry Association (SIA) False Alarm Reduction Standard CP-01. These GEM-P801 control panels are factory programmed with the features required by the CP-01 standard, and this CP-01 program can be reloaded into the panel by defaulting the panel. The address locations are as follows:

[32] Receiver Format

Note: For CP-01 compatibility, set for point ID [6] format.

[0]	Disabled
[1]	Ademco Slow
[2]	Radionics Slow
[3]	Silent Knight Fast
[4]	Universal High Speed
[5]	Reserved
[6]	Ademco Point ID
[7]	Pager



[96] Dealer Options 1

Default
 ON Zn 4 LED ON = SIA CP-01 Features

The following is a detailed explanation of each address location:

TEST MODE

This is a dealer option, only used to test the system after installation. To enter Test Mode, enter 4-digit Dealer Code, press .

- Initiating test mode causes bell test and "Start Test Mode Report" (FD or Point ID 607) to Central Station.**
- Red LED and Green LED slowly flash, indicating "SIA Test Mode".
- All faulted zones are memorized and displayed.
- All zones set to Auto Reset.
- No arming or alarm reporting to Central Station allowed during test mode.
- Time-out in 20 minutes, or press [RESET] to exit.
- Five minutes prior to 20 minute time-out, Red and Green LEDs flash slower.
- Sends "End Test Mode Report" to Central Station when the mode is exited or timed-out (FE or Point ID 607).**
- If 24-hour zone is faulted at end of test, a Zone Trouble for that zone is generated.
- If backup reporting is selected, Telco T1 will be used for "Start Test Mode", Telco T2 will be used for "End Test Mode".

**Address [45-1] Communicator Enabled must be set for "Start Test Mode" and "End Test Mode" to report.

[07] Burg (Steady) Output

Enables the Bell Output on a zone trip for each zone selected. The Bell Output will remain ON for the length of time programmed for *Burg (Steady) Output* [07] or it will remain ON until turned off by entering a valid Arm/Disarm Code; 0 means output will stay ON until turned off.

System Times

[10] Exit Delay

The delay time which permits exit through an *Exit/Entry Zone* [00] after the system is armed, allows a user to leave the premises without setting off an immediate alarm. *Exit Delay* may be programmed for up to 255 seconds (4¼ minutes); a value of 0 will default to 45 seconds for CP-01 and 15 seconds for non CP-01. SIA CP-01 Required Default = 60 seconds.

[46] Communicator Features 2

Default
 OFF Zn 1 LED ON = Enable Call Waiting Disable

[67] Telephone Number 1

Default
 ON Zn 1 LED ON = Send Cancel Report

[70] SIA CP-01 Features

Default
 ON Zn1 ON=Exit Restart Enabled
 ON Zn2 ON=Convert Away to Stay if no Exit

[79] Abort Delay By Zone Mask

Default
 ON Zone 1
 ON Zone 2
 ON Zone 3
 ON Zone 4
 ON Zone 5
 ON Zone 6
 ON Zone 7
 ON Zone 8

[80] Swinger Shutdown

Default
 ON Zone 1
 ON Zone 2
 ON Zone 3
 ON Zone 4
 ON Zone 5
 ON Zone 6
 ON Zone 7
 ON Zone 8

[89] Cross Zoning

Default
 OFF Zone 1
 OFF Zone 2
 OFF Zone 3
 OFF Zone 4
 OFF Zone 5
 OFF Zone 6
 OFF Zone 7
 OFF Zone 8

Swinger Shutdown must NOT be disabled in SIA CP-01 installations.

[11] Entry Delay

Delay time permits entry through *Exit/Entry Zone(s)* after the system is armed without setting off an immediate alarm. *Entry Delay* allows the user time to enter and disarm the system. Upon entering, the keypad sounder will sound a steady tone (Entry Sound) to remind the user to disarm the system. *Entry Delay Time* [11] may be programmed from 30 to 255 seconds (4¼ minutes); a value of 0 defaults to 30 seconds. *Entry Delay* may be canceled by pressing and holding **[STAY]** before or after arming. SIA CP-01 Required Default = 30 seconds.

[21] Keypad Features 2

(2) **Exit/Entry with Urgency** - select to give an audible indication of Exit and Entry times. During the last 10 seconds of entry and exit time, the keypad sounds a distinct sound to indicate you must either leave the premises or the panel must be disarmed.

[32] Receiver Format

Select the receiver format to be used to report for Telephone Number 1: Program a 0 to disable reporting to Telco 1. **Note:** For CP-01 compatibility, set for point ID [6] format.

[0] Disabled	[4] Universal High Speed
[1] Ademco Slow	[5] Reserved
[2] Radionics Slow	[6] Point ID
[3] Silent Knight Fast	[7] Pager

[34] Zone Report, Telco 1

Select zone(s) required to send an alarm report to Telephone Number 1.

[45] Communicator Features 1

(1) **Communicator Enabled** - Program to enable the communicator.

[46] Communicator Features 2

(1) **Enable Call Waiting Disable** - Default is *disabled*. If this feature is enabled, the first attempt will dial "*70" prior to the telephone number (disabling the call waiting tone during the alarm transmission). If the first call does not get through, subsequent attempts will dial as programmed.

[67] Telephone Number 1

(1) **Send Cancel Report** - Default is *enabled*. When enabled, will allow a 5 minute window during which a Cancel Report (Contact ID code 406-00X) will be transmitted should the system be disarmed during this time. This 5 minute cancel window starts at the end of the abort timeout if the abort feature is enabled; otherwise the 5 minute timeout starts immediately upon the alarm. Only non 24-hour zones start the Abort delay and Cancel report timers.

[70] SIA CP-01 / Misc. Features

(1) **Exit Restart Enabled** - Default is *enabled*. When enabled, exit delay will be restarted if an egress door is opened, closed then re-opened. This will occur only once per arming period.

(2) **Convert Away to Stay if No Exit** - Default is *enabled*. The system arms in the Stay mode if the exit delay expires and no exit has been made.

(3) **Bell Chirp on All Arming and Closing Ringback** - Default is *disabled*. If enabled, the bell will chirp 8 seconds after arming and it will chirp a second time after the Central Station has acknowledged the receipt of the closing report.

[79] Abort Delay By Zone Mask

All 8 Zones enabled by default.

[80] Swinger Shutdown (by zone)

All 8 Zones enabled by default. Each Swinger Shutdown bit must be disabled individually. This feature only allows one trip per arming period when [96-4] is enabled, otherwise will perform 3 trips. The panel must be disarmed then rearmed for a burglary zone to generate an alarm again. **Note:** Must not be disabled in SIA CP-01 installations. See page 24 for more information.

[89] Cross Zoning (by zone)

All 8 Zones disabled by default. Each Cross Zoning (Zone ANDing) bit must be enabled individually. Requires two zones in mask to trip within 90 seconds of each other before an alarm transmission sequence (alarm report) is sent to Central Station. **Note:** If Swinger Shutdown [80] is enabled, only 1 trip per Group per arming period will occur.

(4) **SIA CP-01 Features.** Enabled by default. When enabled, the following features take effect:

1. The minimum allowed programmable exit time is 45 seconds.
2. "Report and Enunciate Exit Error"/ (Exit Error is door open at end of exit delay) sends "CF" code for pulse formats and 374 Point ID.
3. "Report Recent Close". If an alarm occurs within 2 minutes at the end of exit delay, Panel reports "FC" code for pulse formats and 459 Point ID.
4. The minimum allowed Entry time is 30 seconds.
5. Enter Urgency Annunciation is changed from steady sounder to steady with pulsing off. This ensures that the mini-sounder on alarm (steady sounder) sounds different from enter urgency.
6. "Silence Entry Sounder on First Button Press". During Entry delay, pressing any digit on the keypad stops the entry sounder for 10 seconds.

Swinger Shutdown and CP-01

Swinger Shutdown is a common term used in the burglary alarm industry. It is a feature of an alarm panel that prevents multiple false alarms from being generated from faulty detectors (or wiring) by limiting the number of alarms a zone may report during a single arming period. NAPCO has a programmable by zone feature named Swinger Shutdown that we have made available on our panels for many years. The SIA False Alarm Reduction standard CP-01, to which the panel now complies, requires "swinger shutdown" on all non-fire zones. Unfortunately, our programmable feature allows three trips per arming period, which is unacceptable in CP-01 installations. To reduce confusion, the following explains both **Swinger Shutdown (NAPCO Programming Feature)** and **Swinger Shutdown (CP-01 Requirement)**.

Swinger Shutdown [22-3] (NAPCO Programming Option Bit): Programming the option "Swinger Shutdown" [22-3] and not programming "Enable CP-01 Features" [96-4] will allow a maximum three alarms per arming period for all non-fire zones not programmed "24 hour".

Swinger Shutdown [80-1,2,3,4,5,6,7,8] (CP-01 Requirement/ Programmable zone mask): To meet the CP-01 standard, all non-fire zones must be programmed for the by zone feature "Swinger Shutdown" [80] and "Enable CP-01 Features" [96-4]. This will allow only one trip per arming period. The panel factory program and panel default program both enable this feature.

SIA CP-01 Quick Reference Chart

Address	Description
[10] (enter 60)	Exit Time 60 Seconds
[11] (enter 30)	Entry Time 30 Seconds
[23-4]	Chirp Bell On Remote (Keyfob) Arm Enabled
[46-1] not on	Disable Call Waiting
[67-1]	Send Cancel Report
[69-4] not on	Fire Alarm Verification
[70-1]	Exit Restart Enabled
[70-2]	Convert Away To Stay If No Exit
[79-1,2,3,4,5,6,7,8]	Abort Delay By Zone Mask
[80-1,2,3,4,5,6,7,8]	"Swinger Shutdown" (Disable Auto Reset)
[89-1,2,3,4,5,7,8] not on	Cross Zoning
[96-4]	CP-01 Features
(Download Only)	Abort Delay Time Default To 30 Seconds
(Download Only)	Abort Enunciation After Disarm
(Download Only)	Cancel Enunciation After Disarm
(Download Only)	Cross Zone Audible Alarm On First Trip

- The following optional accessories support the SIA False Alarm Reduction (FAR) classification, and may be used if desired: GEM-RECV-XP8, GEM-KFOB.
- Programming at Installation may be subordinate to other UL requirements for the intended application.
- Un-vacated premises: When the system/partition is armed with AWAY button, the system will arm STAY if no exit. There must be a minimum of one Exit/Entry Follower with or without Home/Away with Delay Zones on the partition.
- Cross zoning is not recommended for Line security Installations nor is it to be implemented on exit / entry zones.
- There is a Communication Delay of 30 seconds in this control panel. It can be removed, or it can be increased up to 45 seconds at the option of the end user by consulting with the Installer.
- Do not duplicate any reporting codes. This applies for all communication formats other than SIA sending automatic programmed reporting codes.
- In UL installations, Entry Delay time plus Abort Delay time (total combined times) cannot exceed 60 seconds.
- Exit Time Restart must be disabled for UL Line Security/Encryption applications.

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