PANEL UPDATE

May 1, 1998–Folsom, California

The SYS236E 6-zone control panel from C&K Systems is now available! This new control panel has the same features as the original SYS236, with the addition of the following–**FEATURE ENHANCEMENTS:**

- **PAGER FORMAT AS RECEIVER FORMAT**–allows reports to be sent to a numerical pager; This enables the user to monitor system activity without the report being sent to the central station, or in addition to reporting to the central station (installer selectable).

- **TEMPORAL CODE 3**–a bell pulse cadence that is being added to new UL standards (mandatory now in California for CSFM approval, and in August, 1998 mandatory for the entire U.S.); This cadence draws attention to a fire situation by sounding a unique alarm tone in a sequence only used for fire.

- **DURESS FEATURE**–allows the user to send a duress code to the central station from the keypad; Used when a user is forced to disarm the system, a silent alarm is sent to the central station to alert operators to a duress situation at the installation.

- **KEY SWITCH ARMING AS ZONE OPTION** (Zone 6 only)–allows the user to arm or disarm the security system with a key instead of by entering the code at the keypad; This can be used by wheelchair-bound people who cannot reach the keypad, or by people who don't have a user code or don't want to use one.

For information on how to program the panel to take advantage of the new 236E features, refer to the attached 236E CHECKLIST. Look for these new panels coming your way this month!

C&K's Americas Product Team

C&K SYSTEMS

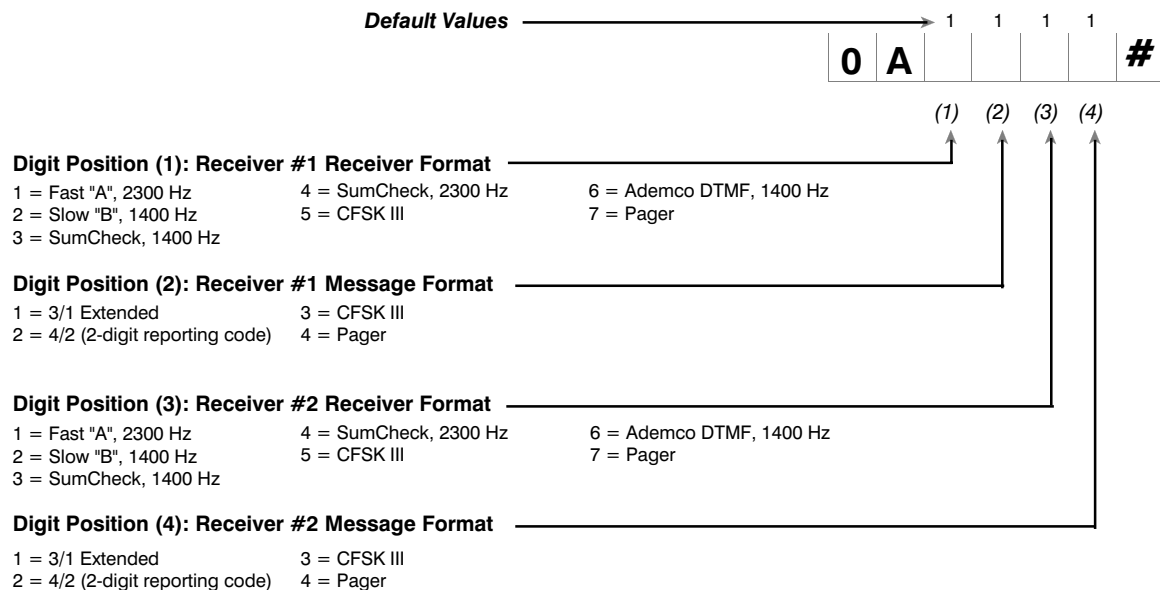**236E CHECKLIST** *(vertical left margin)*

FEATURE: <u>PAGER FORMAT AS RECEIVER FORMAT</u>

This feature sends an account number and event code to the pager and can be set up to report openings/closings/alarms to just the pager, or split between the pager and central station.

STEP 1: Set Communications Format (CL 0A) to Pager (7) for Receiver Formats and to Pager (4) for Message Format.

STEP 2: If Opening and Closing Reports are to be sent to the User, Set User Opening/Closing Report to Enable for User # (CL 07)

STEP 3: If Opening and Closing Reports are to be sent to the User, Set Opening/Closing Reports (CL 16), Digit Position (1): Opening/Closing Receiver Select to the desired receiver mode (Digit positions 2 and 3 must be enabled (not 0).
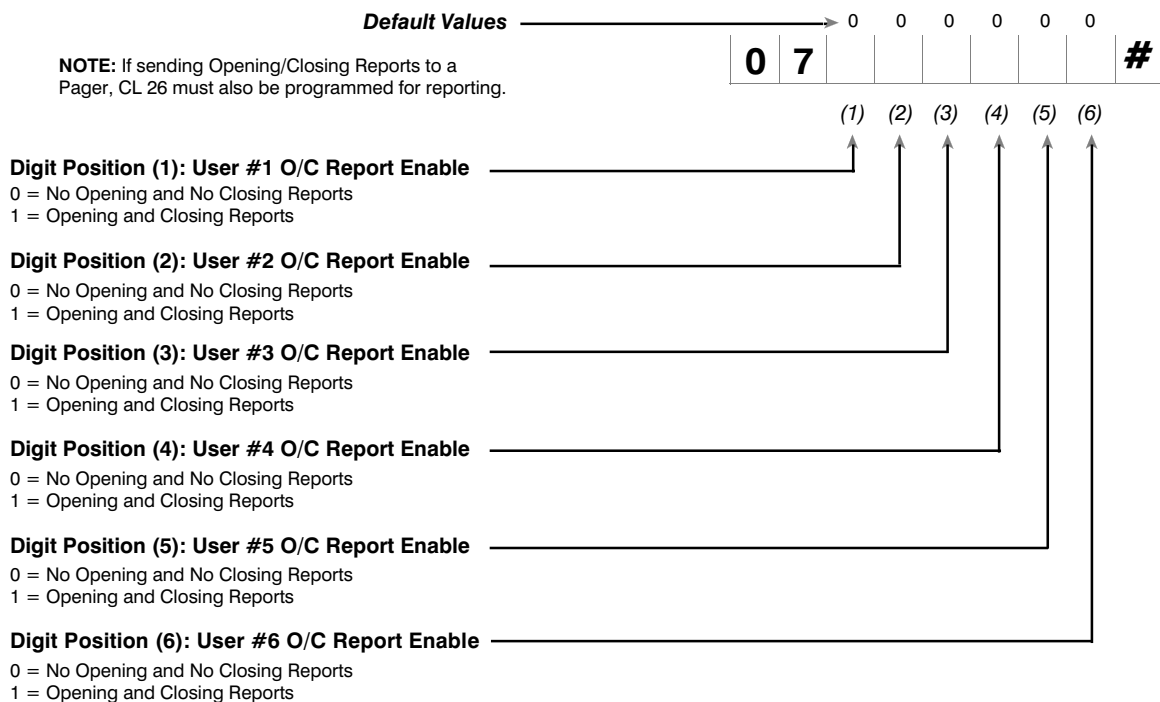

STEP 1: *Taken from System 236E Installation Instructions, 5-051-504-00 Rev. A—PAGE 10*

Command Location 0A: Communications Format

Default Values ⟶ 1 1 1 1

| 0 | A | | | | | # |

(1) (2) (3) (4)

Digit Position (1): Receiver #1 Receiver Format

1 = Fast "A", 2300 Hz	4 = SumCheck, 2300 Hz	6 = Ademco DTMF, 1400 Hz
2 = Slow "B", 1400 Hz	5 = CFSK III	7 = Pager
3 = SumCheck, 1400 Hz		

Digit Position (2): Receiver #1 Message Format

| 1 = 3/1 Extended | 3 = CFSK III |
| 2 = 4/2 (2-digit reporting code) | 4 = Pager |

Digit Position (3): Receiver #2 Receiver Format

1 = Fast "A", 2300 Hz	4 = SumCheck, 2300 Hz	6 = Ademco DTMF, 1400 Hz
2 = Slow "B", 1400 Hz	5 = CFSK III	7 = Pager
3 = SumCheck, 1400 Hz		

Digit Position (4): Receiver #2 Message Format

| 1 = 3/1 Extended | 3 = CFSK III |
| 2 = 4/2 (2-digit reporting code) | 4 = Pager |

STEP 2: *Taken from System 236E Installation Instructions, 5-051-504-00 Rev. A—PAGE 8*

Command Location 07: User Opening/Closing Report Enable

Default Values ⟶ 0 0 0 0 0 0

NOTE: If sending Opening/Closing Reports to a Pager, CL 26 must also be programmed for reporting.

| 0 | 7 | | | | | | | # |

(1) (2) (3) (4) (5) (6)

Digit Position (1): User #1 O/C Report Enable

0 = No Opening and No Closing Reports
1 = Opening and Closing Reports

Digit Position (2): User #2 O/C Report Enable

0 = No Opening and No Closing Reports
1 = Opening and Closing Reports

Digit Position (3): User #3 O/C Report Enable

0 = No Opening and No Closing Reports
1 = Opening and Closing Reports

Digit Position (4): User #4 O/C Report Enable

0 = No Opening and No Closing Reports
1 = Opening and Closing Reports

Digit Position (5): User #5 O/C Report Enable

0 = No Opening and No Closing Reports
1 = Opening and Closing Reports

Digit Position (6): User #6 O/C Report Enable

0 = No Opening and No Closing Reports
1 = Opening and Closing Reports

FEATURE: <u>PAGER FORMAT AS RECEIVER FORMAT</u>, Cont'd.

STEP 3: *Taken from System 236E Installation Instructions, 5-051-504-00 Rev. A—PAGE 13*

Command Location 16: Opening/Closing Reports

Default Values ⟶ 1 B C 0 0

1	6						#
		(1)	*(2)*	*(3)*	*(4)*	*(5)*	

Digit Position (1): Opening/Closing Receiver Select
0 = Receiver 1 with Receiver 2 as back-up   2 = Receiver 2 only
1 = Receiver 1 only   3 = Receiver 1 and Receiver 2 (Dual Reporting)

Digit Position (2): Opening Report Code

Valid entries are 1 - F. Programming a "0" in Position (2) disables opening reports.
This is a 1-digit reporting code. For 2-digit reporting formats, the User ID Number
will be automatically added as an extension.

Digit Position (3): Closing Report Code

Valid entries are 1 - F. Programming a "0" in Position (2) disables opening reports.
This is a 1-digit reporting code. For 2-digit reporting formats, the User ID Number
will be automatically added as an extension.

Digit Position (4 - 5): Duress Report Code

Valid entries are 1 - F.
Program "00" in these digits to disable Duress reporting.

NOTE: When Duress is enabled, this report will use the
same Report Routing as programmed for "Panic". See CL 19,
Digit (3).

CHECKLIST 236E *(vertical sidebar text)*

FEATURE: TEMPORAL CODE 3

This feature is is found in the loop audible type in command locations 1D through 22.
NOTE: The values for digit position (5) Loop Audible Type have changed. Please make note of these changes: A value of 1 gives you temporal code 3, a value of 2 gives you pulse, a value of 3 gives you steady, a value of 4 gives you chirp, a value of 5 gives you silent with no LED and a value of 6 gives you silent with LED.

STEP 1:   Set Loop Control (CL 1D-22), Loop Audible Type (Digit Position 5) to 3 Pulse Temporal (1).

STEP 1: *Taken from System 236E Installation Instructions, 5-051-504-00 Rev. A—PAGE 17*

Command Locations 1D - 22: Loop Control

1D = Loop 1	20 = Loop 4
1E = Loop 2	21 = Loop 5
1F = Loop 3	22 = Loop 6

Default Values *(Loop 1 defaults shown)* ⟶ 1 1 1 2 2 0

1 D [ ][ ][ ][ ][ ][ ] **#**

(1) (2) (3) (4) (5) (6)

Digit Position (1): Loop Response Time

0 = 10 milliseconds
1 = 500 milliseconds

Digit Position (2): Loop Receiver Select

0 = Receiver 1 with Receiver 2 as back-up   2 = Receiver 2 only
1 = Receiver 1 only   3 = Receiver 1 and Receiver 2 (Dual Reporting)

Digit Position (3): Loop Restore Type

0 = No restoral   2 = Return to normal, bell silences
1 = Return to normal   3 = Return to normal, system disarmed

Digit Position (4): Loop Arming Type

0 = Instant	3 = Long Delay
1 = Interior	4 = 24 hours (always armed)
2 = Delay	5 = Keyswitch Arming (maintained)**

** Only available on Loop 6. Digit Position (1) must be programmed for 500 mSec with this option. Keyswitch Arming reports as User #7.

Digit Position (5): Loop Audible Type

1 = 3 Pulse Temporal	4 = Chirp
2 = Pulsing	5 = Silent with no LED
3 = Steady	6 = Silent with LED

Digit Position (6): Loop Circuit Type

0 = EOL: alarm on open or short
1 = Supervised: trouble on open; alarm on short; follows bell time
2 = Supervised, bell latched: trouble on open; alarm on short; bell latched

NOTE: A Loop programmed as type 1 or 2 will report any open as a Trouble condition, regardless of panel armed status.
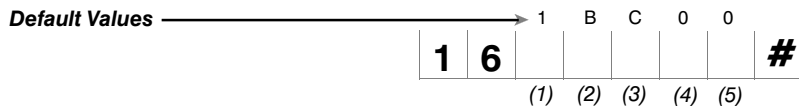
236E CHECKLIST

FEATURE: DURESS FEATURE

This feature is accomplished with an addition of two spaces for a duress reporting code to command location 16. The actual 4-digit duress user code is programmed into a new command location 28.

STEP 1: Set Opening/Closing Reports (CL 16), Duress Report Code (Digit Position 4 - 5) to indicate duress.

STEP 2: Set Duress Code (CL 28) for the user.

STEP 1: *Taken from System 236E Installation Instructions, 5-051-504-00 Rev. A—PAGE 13*

Command Location 16: Opening/Closing Reports

Default Values → 1 B C 0 0

| 1 | 6 | | | | | | # |

       (1) (2) (3) (4) (5)

Digit Position (1): Opening/Closing Receiver Select
0 = Receiver 1 with Receiver 2 as back-up   2 = Receiver 2 only
1 = Receiver 1 only   3 = Receiver 1 and Receiver 2 (Dual Reporting)

Digit Position (2): Opening Report Code
Valid entries are 1 - F. Programming a "0" in Position (2) disables opening reports. This is a 1-digit reporting code. For 2-digit reporting formats, the User ID Number will be automatically added as an extension.

Digit Position (3): Closing Report Code
Valid entries are 1 - F. Programming a "0" in Position (2) disables opening reports. This is a 1-digit reporting code. For 2-digit reporting formats, the User ID Number will be automatically added as an extension.

Digit Position (4 - 5): Duress Report Code
Valid entries are 1 - F.
Program "00" in these digits to disable Duress reporting.

NOTE: When Duress is enabled, this report will use the same Report Routing as programmed for "Panic". See CL 19, Digit (3).

STEP 2: *Taken from System 236E Installation Instructions, 5-051-504-00 Rev. A—PAGE 20*

Command Location 28: Duress Code

Default Values → 0 0 0 0

| 2 | 8 | | | | # |

       (1) (2) (3) (4)
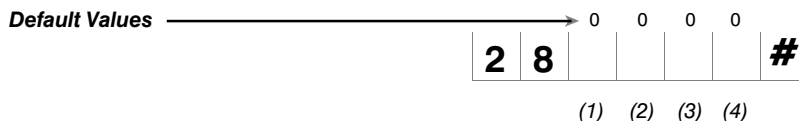
Digit Position (1 - 4): Duress Code
This 4-digit code is active only if the system is armed. Entering the Duress Code will disarm the system while sending a Duress Report to the Central Station. Duress Reports are sent as User #8. Report Routing will be the same as that specified for Panic Reports (CL 19 Digit Position 3).
NOTE: The Duress Code is installer programmable only.

FEATURE: <u>KEY SWITCH ARMING AS ZONE OPTION</u>

Zone 6 can now be turned into a key switch arming zone. It will accept a momentary or maintained trigger. Command location 22 which is loop control for zone 6, has an additional option of 5 which turns the zone into a key switch arm zone. It is also recommended that the loop response on this zone be set to 500ms.

STEP 1: Set Loop Control (CL 22), Digit Position (1) Loop Response Time to "1" 500 milliseconds.
STEP 2: Set Loop Control (CL 22), Digit Position (4) Loop Arming Type to "5" Keyswitch Arming (maintained).

STEP 1 & STEP 2: *Taken from System 236E Installation Instructions, 5-051-504-00 Rev. A—PAGE 17*

Command Locations 1D - 22: Loop Control

1D = Loop 1	20 = Loop 4
1E = Loop 2	21 = Loop 5
1F = Loop 3	22 = Loop 6

Default Values (Loop 1 defaults shown) → 1 1 1 2 2 0

| 1 | D | | | | | | | # |

Digit Position (1): Loop Response Time → (1) (2) (3) (4) (5) (6)

0 = 10 milliseconds
1 = 500 milliseconds

Digit Position (2): Loop Receiver Select

0 = Receiver 1 with Receiver 2 as back-up   2 = Receiver 2 only
1 = Receiver 1 only   3 = Receiver 1 and Receiver 2 (Dual Reporting)

Digit Position (3): Loop Restore Type

0 = No restoral   2 = Return to normal, bell silences
1 = Return to normal   3 = Return to normal, system disarmed

Digit Position (4): Loop Arming Type

0 = Instant   3 = Long Delay
1 = Interior   4 = 24 hours (always armed)
2 = Delay   5 = Keyswitch Arming
(maintained)**

** NOTE: Only available on Loop 6. Digit Position (1) must be programmed for 500 mSec with this option. Keyswitch Arming reports as User #7.

Digit Position (5): Loop Audible Type

1 = 3 Pulse Temporal   4 = Chirp
2 = Pulsing   5 = Silent with no LED
3 = Steady   6 = Silent with LED

Digit Position (6): Loop Circuit Type

0 = EOL: alarm on open or short
1 = Supervised: trouble on open; alarm on short; follows bell time
2 = Supervised, bell latched: trouble on open; alarm on short; bell latched

NOTE: A Loop programmed as type 1 or 2 will report any open as a Trouble condition, regardless of panel armed status.

CHECKLIST 236E