ADEMCO

No. 4150 Control/Communicator
PROGRAMMING WORKSHEET

FOR DETAILED AND ALTERNATIVE PROGRAMMING INFORMATION, SEE THE INSTALLATION INSTRUCTIONS

PROGRAMMING A No. 691 PROM WITH
A No. 690 PROM PROGRAMMER

Data Group 1 (PRI/POS.1)

PABX Access No. (0-9; up to 3 digits)
LEAVE UNUSED BOXES BLANK AT RIGHT

25 sec Dial Tone Wait instead of 7 sec?
(1 = Y; 0 = N)

15 sec. Burg. Reporting Delay instead of Instant?
(2 = Y; 0 = N)

Audible Panic Zone Response instead of Silent?
(4 = Y; 0 = N)

Suppress Trouble Reporting when arming w/ zone
bypassed. (8 = Y; 0 = N)

TOTAL:

If total greater than 9, key PABX Access No. and, in this location, key
a 2 if total is 10; 3 if total is 11; 4 if 12; 5 if 13; 6 if 14; or 7 if 15 on a first
pass. Then, on a second pass, repeat the PABX Access No. and in this
location key an 8.

For fewer than 3 PABX digits, see procedure in the instructions.

Data Group 2 (SEC/POS. 1)
Master Security Code (0 - 9; fill in 4 digits)

Data Group 3 (PRI/POS. 2)
Primary Telco No. (0 - 9; up to 12 digits)

LEAVE UNUSED BOXES BLANK AT RIGHT

Data Group 4 (SEC/POS. 2)
Secondary Telco No. (0 - 9; up to 12 digits)

SEE NOTE 2 UNDER DATA GROUP 6

LEAVE UNUSED BOXES BLANK AT RIGHT

Data Group 5 (PRI/POS. 3)
Primary Subscriber ID (0 - 9; 3 or 4 digits)

SEE NOTE 1 UNDER DATA GROUP 6

Data Group 6 (PRI/POS. 3)
Secondary Subscriber ID (0 - 9; 3 or 4 digits)

NOTES:

1. Leave the 4th box blank if only 3 digits are to be reported.
2. To report all messages to a single receiver, Secondary Telco no.
   and Sub ID should be the same as primary ones. Also, leave PROM
   locations for PRI/SEC No. only options unprogrammed.

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Data Group 7 (POS.4)
Report Codes (0 - 9; B - F HEX)

	CLOSING		DURESS/PANIC (ZONE 2)
SW 1	2 3 4	5	6 7 8

BIT 1   2   4   8   1   2   4   8
WGT   (SEE HEX CODING CHART)

Data Group 8 (POS.5)
Report Codes (0 - 9; B - F HEX)

	OPENING		FIRE (ZONE 1)
SW 1	2 3 4	5	6 7 8

BIT 1   2   4   8   1   2   4   8
WGT   (SEE HEX CODING CHART)

Data Group 9 (POS.6)

	ALARM SOUNDER TIMEOUT (0 -15 min)	CANCEL REPORT CODE (0-9; B-F HEX)
SW 1	2 3 4	5 6 7 8

BIT 1   2   4   8   1   2   4   8
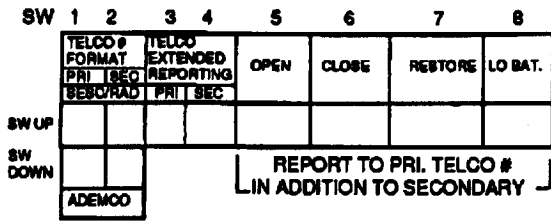WGT   (SEE HEX CODING CHART)

Data Group 10 (POS.7)

ENTRY DELAY TIME
0 - 15 (TIMES 8 SEC)

SW 1 2 3 4   5   6   7   8

EXIT DELAY (INCREMENTS OF 8 SEC)	FIRE (ZONE 1)	DURESS PANIC (ZONE 2)	PERIM # 2 BURG (ZONE 3)	ENTRY/ EXIT BURG (ZONE 4)

1 2 4 8   REPORT TO SEC. TELCO #
BIT WGT ⌐ IN ADDITION TO PRIMARY ⌐
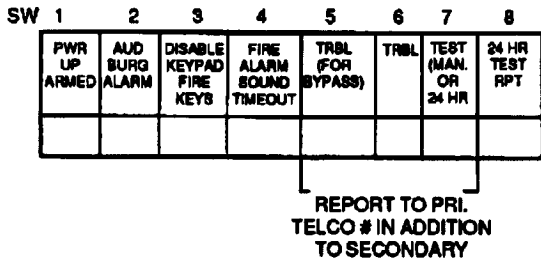
Data Group 11 (POS.8)

ENTRY DELAY TIME
0 - 15 (TIMES 8 SEC)

SW 1 2 3 4   5   6   7   8

ENTRY DELAY (INCREMENTS OF 8 SEC)	PERIM # 1 BURG (ZONE 5)	INT BURG (ZONE 6)	KEYPAD EMGY KEYS (ZONE 7)	CANCEL

1 2 4 8   REPORT TO SEC. TELCO #
BIT WGT ⌐ IN ADDITION TO PRIMARY ⌐

Data Group 12 (POS.9)

SW	1	2	3	4	5	6	7	8
	TELCO # FORMAT PRI | SEC SESC/RAD		TELCO EXTENDED REPORTING PRI | SEC		OPEN	CLOSE	RESTORE	LO BAT.
SW UP								
SW DOWN		ADEMCO						

REPORT TO PRI. TELCO # IN ADDITION TO SECONDARY

Data Group 13 (POS.10)

SW	1	2	3	4	5	6	7	8
	PWR UP ARMED	AUD BURG ALARM	DISABLE KEYPAD FIRE KEYS	FIRE ALARM SOUND TIMEOUT	TRBL (FOR BYPASS)	TRBL	TEST (MAN. OR 24 HR	24 HR TEST RPT

REPORT TO PRI. TELCO # IN ADDITION TO SECONDARY

Data Group 14 (POS.11)
Report Codes (0-9; B-F HEX)

TROUBLE/ ZONE BYPASS — PERIM. #1 BURGLARY (ZONE 5)

SW	1	2	3	4	5	6	7	8
BIT WGT	1	2	4	8	1	2	4	8

(SEE HEX CODING CHART)
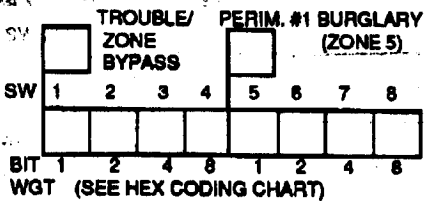
Data Group 15 (POS.12)
Report Codes (0-9; B-F HEX)

TEST — INTERIOR BURGLARY (ZONE 6)

SW	1	2	3	4	5	6	7	8
BIT WGT	1	2	4	8	1	2	4	8

(SEE HEX CODING CHART)
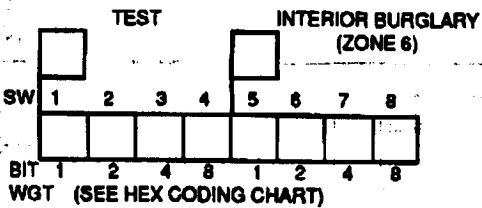
Data Group 16 (POS.13)
Report Codes (0-9; B-F HEX)

RESTORE — PERIM #2 BURGLARY (ZONE 3)

SW	1	2	3	4	5	6	7	8
BIT WGT	1	2	4	8	1	2	4	8

(SEE HEX CODING CHART)
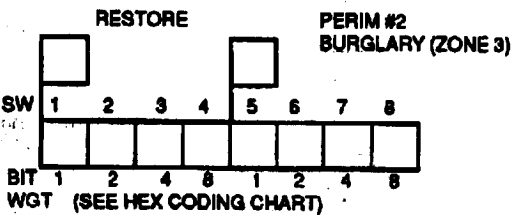
Data Group 17 (POS.14)
Report Codes (0-9; B-F HEX)

LOW BATTERY — ENTRY/EXIT BURGLARY (ZONE 4)

SW	1	2	3	4	5	6	7	8
BIT WGT	1	2	4	8	1	2	4	8

(SEE HEX CODING CHART)
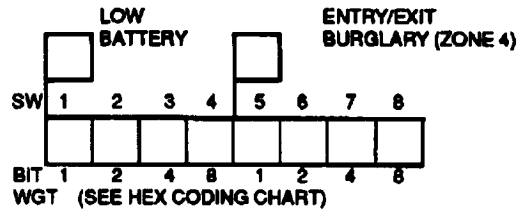
HEX CODING CHART

CODE	BIT WEIGHT 1 2 4 8	CODE	BIT WEIGHT 1 2 4 8
0(10)		8	
1		9	
2		B (11)	
3		C (12)	
4		D (13)	
5		E (14)	
6		F (15)	
7			

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NOTE: Program the numbers that you write into the boxes except for double
          boxes where you program the number preprinted in a box next to the
          box you check.

PROM Data Group 1

To program, set Phone No. Selector Switch to "Primary" and Rotary Switch to
Position 1 ("Access #") on No. 690 PROM Programmer.

PABX Access Code (Select from 0 --> 9): ☐ ☐ ☐ ☐

Delay Option: Check one

Normal Burglary reporting is instantaneous upon tripping of the alarm. It
is possible, however, to optionally select a 15 second delay in the reporting
of the burglary alarm to the Central Alarm Monitoring Service so as to give
the user an opportunity to turn off the system subsequent to a false alarm
prior to alerting the Central Alarm Monitoring Service. All closing reports
are automatically delayed by 15 seconds. All trouble reports are automatically
delayed by 60 seconds.

The standard external Telco dial tone wait period to initiate a telephone connection
is 7 seconds. It is possible, however, to optionally select an extended dial
tone wait period of 25 seconds for slowly responding Telco systems.

No Delayed Burglary Report, 7 Second Dial Tone Wait: [∅][ ]

No Delayed Burglary Report, 25 Second Dial Tone Wait*: [1][ ]

Delayed Burglary Report, 7 Second Dial Tone Wait*:   [2][ ]

Delayed Burglary Report, 25 Second Dial Tone Wait*: [3][ ]

*Note: Follow the procedure given below if it is desired to program less
          than three PABX digits AND it is desired to program one of these
          digits (The symbol ∅ means leave unprogrammed). Press down on the
          PROM PROGRAMMER's "VIEW" button (labeled "*") and release it when
          a buzzing sound is heard. Again, press down on the VIEW button,
          but this time release it only after the display has flashed three
          times. The programmer is now ready to accept the digit to be programmed
          (i.e.: 1, 2, or 3).

PROM Data Group 2

To program, set Phone No. Selector Switch to "Secondary" and Rotary Switch
to Position 1 ("Access #") on No. 690 PROM Programmer.

Master Security Code (Select from 0 --> 9 digit set, repeating digits permitted).

          ☐ ☐ ☐ ☐

PROM Data Group 3

To program, set Phone No. Selector Switch to "Primary" and Rotary Switch to Position 2 ("Main #").

Primary Telco Number (Select from 0 --> 9):

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

PROM Data Group 4

To program, set Phone No. Selector Switch to "Secondary" and Rotary Switch to Position 2 ("Main #").

Secondary Telco Number (Select from 0 --> 9):

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

PROM Data Group 5

To program, set Phone No. Selector Switch to "Primary" and Rotary Switch to Position 3 ("Subs ID#").

Primary Subscriber I.D. (Select from 0 --> 9):* ☐ ☐ ☐ ☐ *1 (see below)

PROM Data Group 6

To program, set Phone No. Selector Switch to "Secondary" and Rotary Switch to Position 3 ("Subs ID#").

Secondary Subscriber I.D. (Select from 0 --> 9):* ☐ ☐ ☐ ☐ *1 (see below)

PROM Data Group 7

To program, set Rotary Switch to Position 4 ("Not Used") and raise switches for checked boxes representing bits set within the hexadecimal code.

Reporting Codes for Closing and Duress/Panic (Select from 0 --> 9, B --> F):

	Closing				Duress/Panic		
☐				☐			

SWITCHES

1	2	3	4	5	6	7	8

Bit Weight 1   2   4   8   1   2   4   8
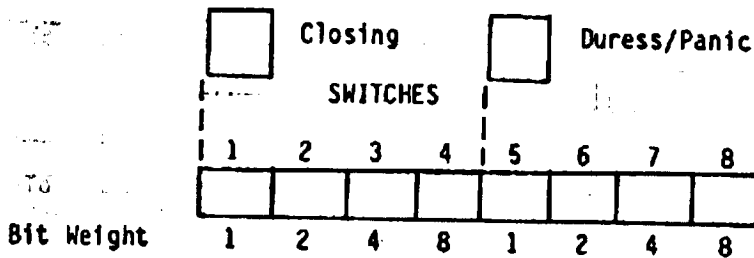
(ex: 7 = 1+2+4, 8 = 1+2+8, C = 4+8, D = 1+4+8, see page 21)

NOTES:

*1. Leave 4th digit blank if only 3 subscriber I.D. digits are to be reported in the communicator message.

2. Central station reporting of trouble, burglary alarms, fire and panic alarms, etc... can be disabled if the corresponding reporting code is left blank (i.e. unprogrammed).

3. If it is desired to have the communicator report all messages to a single receiver, the secondary telco number and subscriber I.D. should be programmed the same as the primary telco number

and subscriber I.D. The PROM locations for primary number only and secondary number only reporting options should be left unprogrammed.

PROM Data Group 8

To program, set Rotary Switch to Position 5 ("Sys Options") and raise switches for checked boxes representing bits set within the hexadecimal code.

Reporting Codes for Opening and Fire (Select from 0 --> 9, B --> F):

	Opening				Fire		
		SWITCHES					

1	2	3	4	5	6	7	8

Bit Weight: 1　2　4　8　1　2　4　8
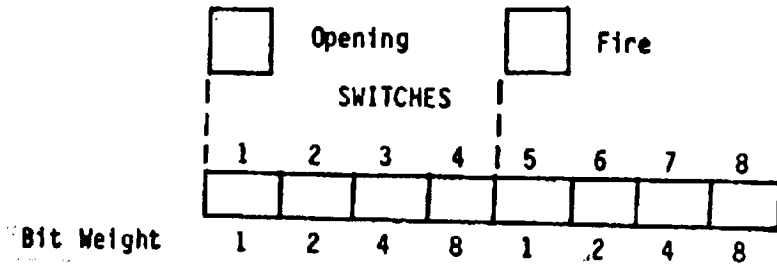
PROM Data Group 9

To program, set Rotary Switch to Position 6 ("Inverted") and raise switches for checked boxes representing bits set within the hexadecimal code.
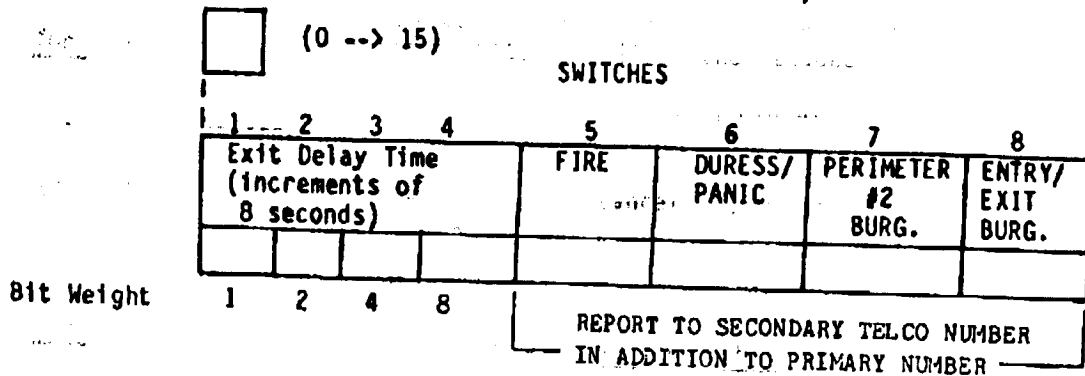
Alarm Sounder Timeout (Select from 0 --> 15 minutes) **and Reporting Code for Cancel** (Select from 0 --> 9, B --> F):

	Alarm Sounder Timeout				Cancel		
		SWITCHES					

1	2	3	4	5	6	7	8

Bit Weight: 1　2　4　8　1　2　4　8
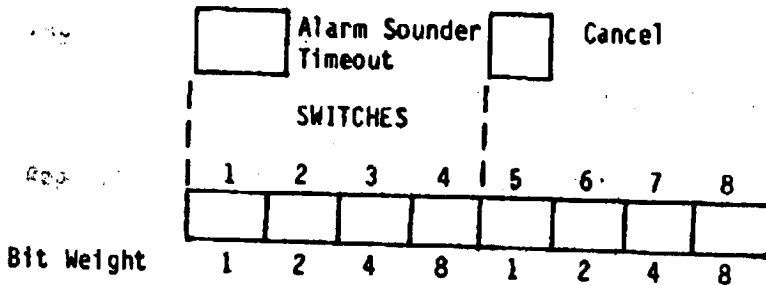
PROM Data Group 10

To program, set Rotary Switch to Position 7 ("16 sec Delay") and raise switches for checked boxes representing bits set within the hexadecimal code for switches 1 --> 4 and set other switches for checked boxes as indicated.

Exit Delay Time: (Select 0 --> 15 x 8 secs) **and Communicator Report to Second Telephone Number ALSO:** (Check reports for which desired)

	(0 --> 15)		
		SWITCHES	

1	2	3	4	5	6	7	8
Exit Delay Time (increments of 8 seconds)				FIRE	DURESS/ PANIC	PERIMETER #2 BURG.	ENTRY/ EXIT BURG.

Bit Weight: 1　2　4　8

└── REPORT TO SECONDARY TELCO NUMBER IN ADDITION TO PRIMARY NUMBER ──┘

PROM Data Group 11

To program, set Rotary Switch to Position 8 ("Secondary # Only") and raise switches for checked boxes representing bits set within the hexadecimal code for switches 1 --> 4 and set other switches for checked boxes as indicated.

Entry Delay Time: (Select 0 --> 15 x 8 secs) **and Communicator Report to Second Telephone Number ALSO:** (Check reports for which desired)

```
┌─────┐  (0 --> 15)
│     │                    SWITCHES
└─────┘
    1    2    3    4       5        6        7        8
```

Entry Delay Time (increments of 8 seconds)				NOT USED	PERIM. #1 BURG.	INTER. BURG.	CANCEL
				████			

Bit Weight   1   2   4   8

REPORT TO SECONDARY TELCO NUMBER IN ADDITION TO PRIMARY NUMBER

PROM Data Group 12

To program, set Rotary Switch to Position 9 ("Open/Close") and set switches for checked boxes.

Reporting Characteristics and Formats and Communicator Report to Primary Telephone Number ALSO (Check as desired):

SWITCHES

	1	2	3	4	5	6	7	8
	PRIMARY TELCO NUMBER FORMAT	SECONDARY TELCO NUMBER FORMAT	EXTENDED REPORTING	EXTENDED REPORTING	OPEN	CLOSE	RESTORE	LOW BATTERY
	SESCOA RADIONICS	SESCOA RADIONICS	PRIMARY TELCO NUMBER	SECONDARY TELCO NUMBER				
BIT SET (RAISE SWITCH)								
BIT NOT SET (SWITCH DOWN)	ADEMCO	ADEMCO						

REPORT TO PRIMARY TELCO NUMBER IN ADDITION TO SECONDARY NUMBER

PROM Data Group 13

To program, set Rotary Switch to Position 10 ("Restore") and set switches for checked boxes as indicated.

Miscellaneous Audible Options and Communicator Report to Primary Telephone Number ALSO (Check as desired):

SWITCHES

1	2	3	4	5	6	7	8
NOT USED	AUDIBLE BURGLARY ALARM	AUDIBLE PANIC ALARM	FIRE ALARM SOUNDING TIMEOUT	NOT USED	TROUBLE	TEST (MANUAL OR 24 HOUR)	24 HOUR TEST REPORT ENABLE
■				■			

REPORT TO PRIMARY TELCO NUMBER
IN ADDITION TO SECONDARY NUMBER

PROM Data Group 14

To program, set Rotary Switch to Position 11 ("Not Used") and raise switches for checked boxes representing bits set within the hexadecimal code.

Reporting Codes for Fire Trouble and Perimeter #1 Burglary (Select from 0 --> 9, B --> F)

☐ Fire Trouble   ☐ Perimeter #1 Burglary

SWITCHES

NOT USED

1	2	3	4	5	6	7	8

Bit Weight   1   2   4   8   1   2   4   8

PROM Data Group 15

To program, set Rotary Switch to Position 12 ("Not Used") and raise switches for checked boxes representing bits set within the hexadecimal code.

Reporting Codes for Test and Interior Burglary (Select from 0 --> 9, B --> F)
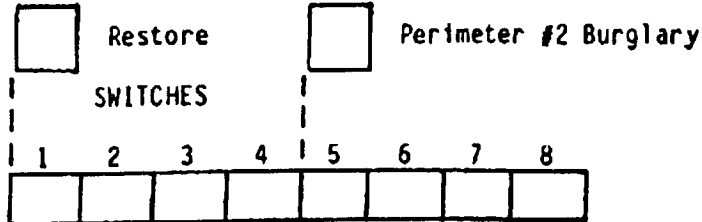
☐ Test   ☐ Interior Burglary

SWITCHES

1	2	3	4	5	6	7	8

Bit Weight   1   2   4   8   1   2   4   8

PROM Data Group 16

To program, set Rotary Switch to Position 13 ("Not Used") and raise switches for checked boxes representing bits set within the hexadecimal code.

Reporting Codes for Restore and Perimeter #2 Burglary (Select from 0 --> 9, B --> F)

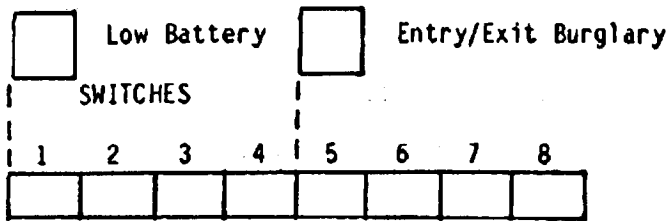| ☐ Restore				☐ Perimeter #2 Burglary			
SWITCHES							
1	2	3	4	5	6	7	8

Bit Weight   1   2   4   8   1   2   4   8

PROM Data Group 17

To program, set Rotary Switch to Position 14 ("Not Used") and raise switches for checked boxes representing bits set within the hexadecimal code.

Reporting Codes for Low Battery and Entry/Exit Burglary (Select from 0 --> 9, B --> F)

☐ Low Battery				☐ Entry/Exit Burglary			
SWITCHES							
1	2	3	4	5	6	7	8

Bit Weight   1   2   4   8   1   2   4   8

Hexadecimal Coding Chart

	Bit Weight			
Code	1	2	4	8
0(10)		✓		✓
1	✓			
2		✓		
3	✓	✓		
4			✓	
5	✓		✓	
6		✓	✓	
7	✓	✓	✓	

	Bit Weight			
	1	2	4	8
8				✓
9	✓			✓
B(11)	✓	✓		✓
C(12)			✓	✓
D(13)	✓		✓	✓
E(14)		✓	✓	✓
F(15)	✓	✓	✓	✓

CAUTION: Throughout these reporting selections, the ability to select full Hexadecimal reporting codes is indicated. Make sure that the receiver, into which your signals are being reported, is capable of accommodating such reporting. For example, the Ademco No. 660/673 is only capable of accepting 0 --> 9 for all reporting codes.