

CUSTOMER NAME \_\_\_\_\_  
 CUSTOMER ADDRESS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CUST. NO. \_\_\_\_\_

**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.

**A. Control PROM**

PROM Data Group 1

To program, set Phone No. Selector Switch to "Secondary" and Rotary Switch to Position 2 (Main Phone No.) on No. 690 PROM Programmer.

- 1. **Entry Delay** (Select 0-->9)  X 15 secs = \_\_\_\_\_
- 2. **Exit Delay** (Select 0-->9)  X 15 secs = \_\_\_\_\_
- 3. **Exterior Alarm Sounder/  
Primary Communicator Delay** (Select 0-->9)  X 15 secs = \_\_\_\_\_
- 4. **Alarm Sounder Timeout** (Select 0-->9)  X 4 mins = \_\_\_\_\_
- 5. **AC Power Fail Reaction  
Delay** (Select 0-->9)  X 4 mins = \_\_\_\_\_

6. **Select Zones with Entry/Exit Delay: Check One**

**Number  
of Box  
Checked**

Zn 1 = 1 Zn 2 = 2 Zns 1, 2 = 3 Zn 3 = 4  
 Zns 1, 3 = 5 Zns 2, 3 = 6 Zns 1, 2, 3 = 7 None = 0

7. **Select Fast Response (15 msec) Zones: Check One**

Zn 2 = 1 Zn 3 = 2 Zns 2, 3 = 3 Zn 4 = 4  
 Zns 2, 4 = 5 Zns 3, 4 = 6 Zns 2, 3, 4 = 7 None = 0

8. **Zone 4 Type Selection: Check One**

Night Burglary = 0 Fire = 1 Day/Night Burglary = 2

9. **Zones 5 and 6 Type Selection: Check One**

Zn 5 = Silent Panic (Console Display On), Zn 6 = Burglary: 0

Zn 5 = Silent Panic (Console Display Off), Zn 6 = Burglary: 4

Zn 5 = Silent Panic (Console Display On), Zn 6 = Audible Panic: 2

Zn 5 = Silent Panic (Console Display Off), Zn 6 = Audible Panic: 6

Zn 5 = Audible Panic, Zn 6 = Burglary:

Zn 5 = Audible Panic, Zn 6 = Audible Panic:

10. Alarm Sounder Options: Check One

There are two burglary siren output formats from which to select if the optional No. 4165 Siren Driver is to be used.. Output #1 is a slowly alternating HI/LO sound that is similar to the sound produced by emergency vehicles in some locales. Output #2 is a rapidly alternating HI/LO sound that is more like an electronic bell sound.

The confirmation of arming "ding" is a brief 1/2 second pulse of the exterior alarm sounder to advise the subscriber that the system has set up successfully after they are outside the premises. Primarily for commercial usage, this "Ding" is produced after kissoff (by the central station receiver) if "closing" reporting is programmed or after the exit delay has ended if "closing" reporting is not selected.

The separate A and B designations relate to the selection of the signal polarity of the output on TB1-1. This output presents the system's "arming status" to external controlled devices (e.g. motion detectors, contact identification annunciator). "A" selection yields a 0 Volt output for "Disarmed", a Voltage output for "Armed". "B" selection yields a Voltage output for "Disarmed", 0 Volt output for "Armed."

	A	B	
Burglary Siren Output #1 (Slow Alt. HI/LO), <u>No</u> Confirmation of Arming "Ding":	<input type="text" value="0"/> <input type="text"/>	<input type="text" value="4"/> <input type="text"/>	
Burglary Siren Output #2 (Rapid Alt. HI/LO), <u>No</u> Confirmation of Arming "Ding":	<input type="text" value="1"/> <input type="text"/>	<input type="text" value="5"/> <input type="text"/>	
Burglary Siren Output #1, Confirmation of Arming "Ding":	<input type="text" value="2"/> <input type="text"/>	<input type="text" value="6"/> <input type="text"/>	
Burglary Siren Output #2, Confirmation of Arming "Ding":	<input type="text" value="3"/> <input type="text"/>	<input type="text" value="7"/> <input type="text"/>	<input type="checkbox"/>

11. Duress Digit (Select 0-->9):

12. Not Used

PROM Data Group 2

To program, set Phone No. Selector Switch to "Primary" and Rotary Switch to Position 2 (Main Phone No.) on No. 690 PROM Programmer.

1. Communicator Alarm Code/Channel\* Assigned to Zone 1:
2. Communicator Alarm Code/Channel\* Assigned to Zone 2:
3. Communicator Alarm Code/Channel\* Assigned to Zone 3:
4. Communicator Alarm Code/Channel\* Assigned to Zone 4:
5. Communicator Alarm Code/Channel\* Assigned to Zone 5:

6. Communicator Alarm Code/Channel\* Assigned to Zone 6:

7. Communicator Alarm Code/Channel\* Assigned to Duress Alarm:

8-12. Not Used.

\*NOTE: Select 1-->8 for communicator reports duplicate assignments allowed. Select 0 if communicator report not desired for a zone.

PROM Data Group 3

To program, set Phone No. Selector Switch to "Primary" and Rotary Switch to Position 3 (Subs ID #) on No. 690 PROM Programmer.

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

The following capabilities are individually selected by zone, check as many as desired for each zone:

PROM Data Group 4

To program, set Rotary Switch to Position 6 ("Inverted") on No. 690 PROM Programmer and raise switches for checked boxes.

Communicator Report Selection:  
(check as many as desired)

SWITCHES

1	2	3	4	5	6	7	8
OPEN ---- CLOSE	SHUNTED ZONES	ZONE 4 TROUBLE	AC FAIL ----- LO BATT	CANCEL CODE	NOT USED	NOT USED	NOT USED
					X	X	X

- NOTES: 1. Shunted Burglary Zone Report is transmitted at Armed AWAY time. Shunted 24 Hour Zone Report is transmitted immediately.
2. Cancel Code is transmitted if a burglary alarm is turned off while the alarm sounder is sounding (not applicable to fire and panic alarms)

PROM Data Group 5

To program, set Rotary Switch to Position 7 ("16 Sec Delay") and raise switches for checked boxes.

Secondary 16 second Communicator Report Delay: (check reports for which desired)

SWITCHES

1	2	3	4	5	6	7	8
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 4 TROUBLE	CLOSING REPORT

PROM Data Group 6

To program, set Rotary Switch to Position 8 ("Secondary # Only") and raise switches for checked boxes.

**Communicator Report to Second Telephone Number ONLY:** (Check reports for which desired)

SWITCHES

1	2	3	4	5	6	7	8
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 4 TROUBLE	OPEN/CLOSE AND SHUNTS

PROM Data Group 7

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

**Miscellaneous Communicator Reporting Selection:** (Check as many as desired)

SWITCHES

1	2	3	4	5	6	7	8
ALL REPORTS ON ONE CALL	DURESS ALARM TO 2ND TELCO NO. ONLY	AC FAIL, LOW BATTERY, TEST REPORT TO 2ND TELCO NO. ONLY	LOW BATT REPORT IN NEW ADEMCO HI SPEED FORMAT	NOT USED	NOT USED	DUAL REPORT	ALTERNATE BY PAIRS DIALING
				X	X		

PROM Data Group 8

To program, set Rotary switch to Position 10 ("Restore") and raise switches for checked boxes.

**Central Station Restore Reports:** (check as many as desired)

1	2	3	4	5	6	7	8
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 4 TROUBLE	NOT USED
							X

**NOTE:** This selection is only relevant if Local Restore for Multiple Alarm Sounding has been selected (see PROM Data Group 11)

PROM Data Group 9

To program, set Rotary Switch to Position 11 ("Not Used") and raise switches for checked boxes.

**Permit Forced Arming Shunt**

SWITCHES

1	2	3	4	5	6	7	8
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	NOT USED	NOT USED

PROM Data Group 10

To program, set Rotary Switch to Position 12 ("Not Used") and raise switches for checked boxes.

**Permit Individual Keypad Shunt**

SWITCHES

1	2	3	4	5	6	7	8
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	NOT USED	NOT USED

PROM Data Group 11

To program, set Rotary Switch to Position 13 ("Not Used") and raise switches for checked boxes.

**Local Restore for Sounding of Multiple Alarms in an Armed Period**

SWITCHES

1	2	3	4	5	6	7	8
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	NOT USED	NOT USED

PROM Data Group 12

To program, set Rotary Switch to Position 14 ("Not Used") and raise switches for checked boxes.

**Delay Exterior Alarm Sounding and Central Station Reporting for Period Defined Previously**

SWITCHES

1	2	3	4	5	6	7	8
ZONE 1	ZONE 2	ZONE 3	ZONE 4 (ONLY IF BURG ZONE)	NOT USED	ZONE 6 (ONLY IF BURG ZONE)	NOT USED	NOT USED
				X		X	X

**B. Communication PROM**

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

Primary PABX Access Number\* (Select from 0-->9, Up to 4 digits):   
(ex: 9)

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.

Secondary PABX Access Number\* (Select from 0-->9, Up to 4 digits):

PROM Data Group 3

To program, set Phone No. Selector Switch to "Primary" and Rotary Switch to Position 2 (Main Phone No.) on No. 690 PROM Programmer.

Primary Telco Number\* (Select from 0-->9, Up to 12 digits):

[ex: Out of Area Access digit (1), Area Code, Exchange, Line Number]

PROM Data Group 4

To program, set Phone No. Selector Switch to "Secondary" and Rotary Switch to Position 2 (Main Phone No.) on No. 690 PROM Programmer.

Secondary Telco Number\* (Select from 0-->9, up to 12 digits):

\*NOTE: Trailing blanks are permissible for entries less than the maximum number of digits but leading or intermediate blanks are **NOT** allowed.

PROM Data Group 5

To program, set Phone No. Selector Switch to "Primary" and Rotary Switch to Position 3 (Subs ID#) on No. 690 PROM Programmer.

Primary Subscriber ID\*\* (Select from 0-->9):

PROM Data Group 6

To program, set Phone No. Selector Switch to "Secondary" and Rotary Switch to Position 3 (Subs ID#) on No. 690 Programmer.

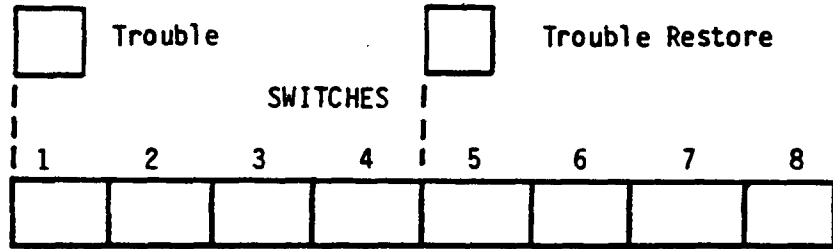
Secondary Subscriber ID\*\* (Select from 0-->9):

\*\*NOTE: All 4 digits must be filled in. The leading digit is **not** transmitted for Ademco Low Speed, SESCOA, and Radionics. Only the last 3 digits are transmitted.

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.

**Ademco Low Speed/SESCO/Radionics Reporting Codes for Trouble and Trouble Restore**  
(Select from 0-->9, B-->F)



Bit Weight

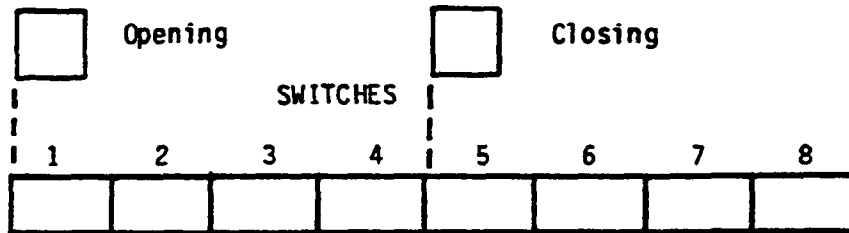
1 2 4 8 1 2 4 8

(ex: 7 = 1 + 2 + 4, B = 1 + 2 + 8, C = 4 + 8, D = 1 + 4 + 8)

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.

**Ademco Low Speed/SESCO/Radionics Reporting Codes for Opening and Closing**  
(Select from 0-->9, B-->F)



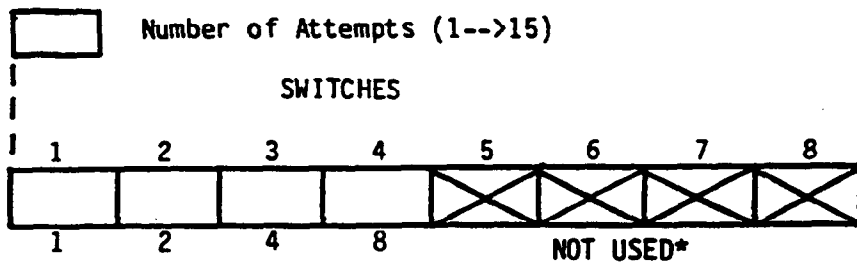
Bit Weight

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.

**Maximum Number of Attempts to Dial** (Select from 1-->15, defaults to 8 if not programmed)



Bit Weight

1 2 4 8 NOT USED\*

**\*NOTE:** Switches 5-8 must be in down position.



PROM Data Group 10

To program, set Rotary Switch to Position 7 ("16 sec Delay") and set switches for checked boxes as indicated.

**Acknowledge Characteristics and Reporting Formats for Communication to PRIMARY Telco Number (check as desired):**

SWITCHES

	1	2	3	4	5	6	7	8
	ACK WAIT	FORMAT SELECTION I	DATA FREQUENCY, FOR LOW SPEED ONLY	DIGIT TIME	FORMAT SELECTION II		CHECK-SUM VERIFICATION ONLY FOR NO. 685 RCVR USERS	LOW SPEED FORMAT SELECTION
BIT SET (RAISE SWITCH)	EXTENDED 60 SECS.	ADEMCO HIGH SPEED TRANSMISSION	ADEMCO	SESCOA	ADEMCO SESCOA	ADEMCO	SINGLE MESSAGE W/CHECK-SUM VERIFICATION	EXTENDED DATA REPORTING
BIT NOT SET (SWITCH DOWN)	STANDARD 30 SECS.	HIGH OR LOW SPEED TRANSMISSION	SESCOA RADIONICS	ADEMCO, RADIONICS SUPERFAST	RADIONICS SUPERFAST	RADIONICS SUPERFAST SESCOA	STANDARD 2 MESSAGE VERIFICATION	STANDARD

PROM Data Group 11

To program, set Rotary Switch to Position 8 ("Secondary # Only") and set switches for checked boxes as indicated.

**Acknowledge Characteristics and Reporting Formats for Communication to SECONDARY Telco Number (check as desired):**

SWITCHES

	1	2	3	4	5	6	7	8
	ACK WAIT	FORMAT SELECTION I	DATA FREQUENCY, FOR LOW SPEED ONLY	DIGIT TIME	FORMAT SELECTION II		CHECK-SUM VERIFICATION ONLY FOR NO. 685 RCVR USERS	LOW SPEED FORMAT SELECTION
BIT SET (RAISE SWITCH)	EXTENDED 60 SECS.	ADEMCO HIGH SPEED TRANSMISSION	ADEMCO	SESCOA	ADEMCO SESCOA	ADEMCO	SINGLE MESSAGE W/CHECK-SUM VERIFICATION	EXTENDED DATA REPORTING
BIT NOT SET (SWITCH DOWN)	STANDARD 30 SECS.	HIGH OR LOW SPEED TRANSMISSION	SESCOA RADIONICS	ADEMCO, RADIONICS SUPERFAST	RADIONICS SUPERFAST	RADIONICS SUPERFAST SESCOA	STANDARD 2 MESSAGE VERIFICATION	STANDARD

PROM Data Group 12

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

Dialing and Reporting Characteristics Selection (Check as desired):

SWITCHES

	1	2	3	4	5	6	7	8
	NOT USED			30 SECOND ANTI-JAM*	DIAL PULSE RATIO	TYPE OF DIALING	EXTENDED DIAL TONE WAIT	NOT USED
BIT SET (RAISE SWITCH)				YES	FOREIGN (67/33)	TOUCH TONE	30 SECS.	
BIT NOT SET (SWITCH DOWN)	✓	✓	✓	NO	U.S./CANADA (60/40)	PULSE DIAL	USE SW.8 SETTING IN GROUP 13	✓

\*Should be enabled on all telco networks which have called party disconnect (hanging up the phone for a period of time will cause disconnect of an incoming call)

PROM Data Group 13

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

Dialing and Reporting Characteristics Selection (Check as desired):

SWITCHES

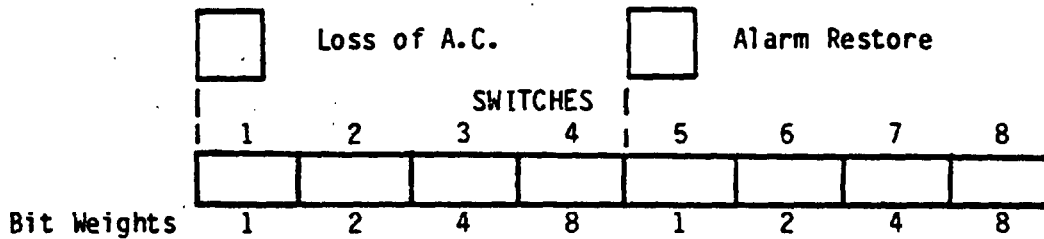
	1	2	3	4	5	6	7	8
	DATA TONE FREQUENCY	INTERDIGIT TIME	2ND SUB-SCRIBER I.D. TO 2ND TELCO NO.	UNLIMITED ATTEMPTS TO REACH C.S.	NOT USED			NORMAL DIAL TONE WAITS*
BIT SET (RAISE SWITCH)	1890Hz FOREIGN	OTHER (840 MSEC)	YES	YES				5 SECS. (PABX)
BIT NOT SET (SWITCH DOWN)	1900Hz U.S. (STANDARD)	U.S. (640 MSEC)	NO	NO, USE NUMBER SET PREVIOUSLY	✓	✓	✓	11 SECS. (TELCO)

\*Only effective if Switch 7 in PROM Data Group 12 was down when that Data Group was programmed.

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.

**Ademco Low Speed/SESCOA/Radionics Reporting Codes for Loss of A.C. and Alarm Restore\*** (Select from 0-->9, B-->F)



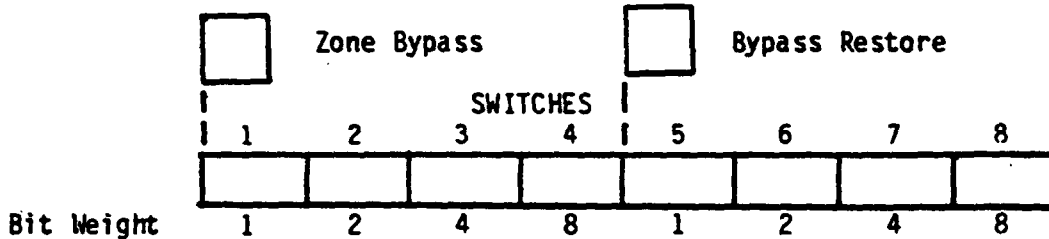
**\*NOTE:** An entry is mandatory for these two codes (e.g. 9) in the indicated formats, even if there is no interest in receiving these reports.

**CAUTION:** Position 12 ("Not Used") on the Rotary Switch is **NOT TO BE USED** in programming the communication PROM.

PROM Data Group 15

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

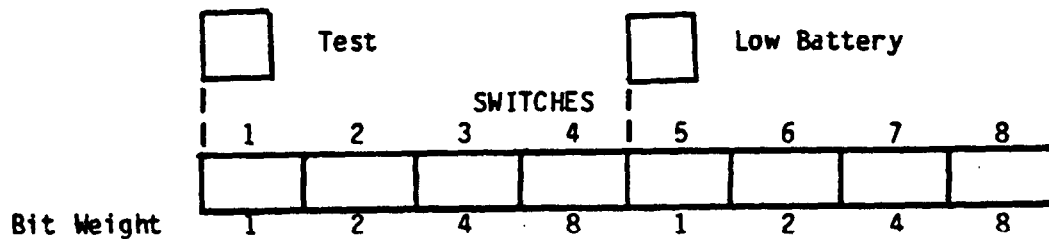
**Ademco Low Speed/SESCOA/Radionics Reporting Codes for Zone Bypass and Bypass Restore** (Select from 0-->9, B-->F)



PROM Data Group 16

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

**Ademco Low Speed/SESCOA/Radionics Reporting Codes for Test and Low Battery** (Select from 0-->9, B-->F)



**NOTE:** An entry is mandatory for these two codes (e.g. 9) in the indicated formats, even if there is no interest in receiving these reports.

Hexadecimal Coding Chart

Code	Bit Weight			
	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 1-->9 for all reporting codes.