



No. 4160-12 Control/Communicator PROGRAMMING WORKSHEET

FOR DETAILED PROGRAMMING INFORMATION, SEE THE INSTALLATION INSTRUCTIONS

A. CONTROL PROM

Data Group 1: (SEC/POS.2)

1. ENTRY DELAY _____ = 15secs X (0-9) ☐
2. EXIT DELAY _____ = 15secs X (0-9) ☐
3. EXIT ALARM SNDR/PRI COMM DELAY _____ = 15secs X (0-9) ☐
4. ALARM SOUNDER TIMEOUT _____ = 4 min X (0-9) ☐
5. AC POWER FAIL REACTION DELAY _____ = 4 min X (0-9) ☐
6. ENTRY/EXIT DELAY ZONES

Zn 1	<table><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></table>	1		2		3		4		Zns 1,3	<table><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>0</td><td></td></tr></table>	5		6		7		0	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
0																			
Zn 2	<table><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></table>	1		2		3		4		Zns 2,3	<table><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>0</td><td></td></tr></table>	5		6		7		0	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
0																			
Zns 1, 2	<table><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></table>	1		2		3		4		Zns 1,2,3	<table><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>0</td><td></td></tr></table>	5		6		7		0	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
0																			
Zn 3	<table><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></table>	1		2		3		4		None	<table><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>0</td><td></td></tr></table>	5		6		7		0	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
0																			

No. of Box Checked ☐

7. FAST RESPONSE (15msec) ZONES

Zn 1	<table><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></table>	1		2		3		4		Zns 2,4	<table><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>0</td><td></td></tr></table>	5		6		7		0	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
0																			
Zn 3	<table><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></table>	1		2		3		4		Zns 3,4	<table><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>0</td><td></td></tr></table>	5		6		7		0	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
0																			
Zns 2,3	<table><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></table>	1		2		3		4		Zns 2,3,4	<table><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>0</td><td></td></tr></table>	5		6		7		0	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
0																			
Zn 4	<table><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></table>	1		2		3		4		None	<table><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>0</td><td></td></tr></table>	5		6		7		0	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
0																			

No. of Box Checked ☐

8. ZONE 4 TYPE SELECTION

Alarm Timeout: YES	NO								
Night Burglary	<table><tr><td>0</td><td></td></tr><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr></table>	0		1		2		3	
0									
1									
2									
3									
Fire	<table><tr><td>4</td><td></td></tr><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr></table>	4		5		6		7	
4									
5									
6									
7									
Day/Night Burglary	<table><tr><td>0</td><td></td></tr><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr></table>	0		1		2		3	
0									
1									
2									
3									

No. of Box Checked ☐

9. ZONES 5&6 TYPE SELECTION

Console	ZONE	ZONE	
Display	5	6	
On	Sil. Panic	Burg.	0
Off	Sil. Panic	Burg.	4
On	Sil. Panic	Aud. Panic	2
Off	Sil. Panic	Aud. Panic	6
On	Aud. Panic	Burg.	1
On	Aud. Panic	Aud. Panic	3
			No. of Box Checked

10. ALARM SOUNDER OPTIONS

A = Armed Output HIGH (TB1-1)
B = Armed Output LOW (TB1-1)

	A	B
Rapid, No Ding	0 ☐	4 ☐
Slow, No Ding	1 ☐	5 ☐
Rapid, Ding	2 ☐	6 ☐
Slow, Ding	3 ☐	7 ☐
	No. of Box Checked	

11. MASTER CODE DOMINANCE

- 1 = Secondary codes usable at any time.
0 = Arming with master code inhibits disarming with secondary codes.

12. NOT USED

Data Group 2: (PRI/POS.2)

COMMUNICATOR ALARM CODE/CHANNEL (1-8, OR 0 IF NONE) ASSIGNED TO:

1. ZONE 1	<table><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>					5. ZONE 5	<table><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>				
2. ZONE 2	<table><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>					6. ZONE 6	<table><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>				
3. ZONE 3	<table><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>					7. DURESS	<table><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>				
4. ZONE 4	<table><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>					8 - 12 NOT USED					

Data Group 3: (PRI/POS.3)

MASTER SECURITY CODE (0-9, Fill in 4 Digits)

--	--	--	--

Data Group 4: (POS.6)

COMMUNICATOR REPORT SELECTION:

[1] OPEN CLOSE	[2] SHUNTED ZONES	[3] ZONE 4 TROUB	[4] AC FAIL LO BAT	[5] CANCEL CODE	[6] NOT USED	[7] NOT USED	[8] NOT USED

Data Group 5: (POS.7)

SECONDARY 16 SECOND COMMUNICATOR REPORT DELAY:

ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 4 TRBL	CLOSE RPT

Data Group 6: (POS.8)

COMMUNICATOR RPT TO SECONDARY No. ONLY:

ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 4 TRBL	OPEN/CLOSE SHUNTS

Data Group 7: (POS.9)

MISCELLANEOUS COMMUNICATOR REPORT SELECTION:

ALL REPORTS IN ONE CALL	DURESS TO 2ND NUMBER ONLY	AC FAIL LO BATT TEST TO 2ND No.	LO BATT IN HIGH SPEED FORMAT	NOT USED	NOT USED	DUAL REPORT	ALTERNATE BY PAIRS DIALING

Data Group 8: (POS.10)

CENTRAL STATION RESTORE REPORTS:

ENTER RECORD FROM RECORD REF. STNG.							
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 4 TRBL	NOT USED

Data Group 9: (POS.11)

PERMIT FORCED ARMING SHUNT:

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

Data Group 10: (POS.12)

PERMIT INDIVIDUAL KEYPAD SHUNT:

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

Data Group 11: (POS.13)

LOCAL RESTORE (MULTIPLE ALARMS):

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

Data Group 12: (POS.14)

DELAY SIREN & COMMUNICATOR AS DESCRIBED IN GR. 1.3:

CLEARLY IDENTIFY COMMUNICATIONS AS DESCRIBED IN CH. 110.							
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	NOT USED	NOT USED

ONLY IF
BURG.

ONLY IF
BURG.

B. COMMUNICATION FROM

Data Group 1: (PRI/POS.1)

Primary PABX No. (0-9; up to 4 digits)

--	--	--	--

Data Group 2: (SEC/POS.1)

Secondary PABX No. (0-9; up to 4 digits)

--	--	--	--

Data Group 3: (PRI/POS.2)

Primary TELCO No. (0-9; up to 12 digits)

--	--	--	--	--	--	--	--	--	--	--	--

Data Group 4: (SEC/POS.2)

Secondary TELCO No. (0-9; up to 12 digits)

--	--	--	--	--	--	--	--	--	--	--	--

Data Group 5: (PRI/POS.3)

Primary Sub ID (0-9; fill in 4 digits)

--	--	--	--

Data Group 6: (SEC/POS.3)

Secondary Sub ID (0-9; fill in 4 digits)

--	--	--	--

Data Group 7: (POS.4)

Ademco Lo/SESC/Rad Report Codes (0-9; B-F HEX)

SW	TROUBLE				TROUBLE RESTORE			
	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)

Ademco Lo/SESC/Rad Report Codes (0-9; B-F HEX)

SW	OPENING				CLOSING			
	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)

Max No. of ATTEMPTS to Dial (1-15)

SW	ATTEMPTS							
	1	2	3	4	5	6	7	8
BIT	1	2	4	8	NOT USED			
WGT								

Data Group 10: (POS.7) Ack Wait, Verification, and Reporting Formats for PRI TELCO No. (Check as required):

1	2	3	4	5	6	7	8
ACK WAIT (SEC)	FORMAT				VERIFY CHK SUM HS/RAD		LO SPD RPT EXT/BFSK
60							
SW UP							
SW DN							
30	(SEE TABLE)				DBL MSG		STD

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

Data Group 11: (POS.8) Ack Wait, Verification, and Reporting Formats for SEC TELCO No. (Check as required):

1	2	3	4	5	6	7	8
ACK WAIT (SEC)	FORMAT				VERIFY CHK SUM HS/RAD		LO SPD RPT EXT/BFSK
60							
SW UP							
SW DN							
30	(SEE TABLE)				DBL MSG		STD

FORMAT	2	3	4	5	6
ADEMCO LOW	↑	↑	↑	↑	↑
SESCOA	↓	↓	↓	↓	↓
RADIONICS	↓	↓	↓	↓	↓
RAD SUP FST	↓	↓	↓	↓	↓
BFSK	↓	↓	↓	↓	↓
ADEMCO HIGH	↑	↑	↑	↑	↑

Data Group 12: (POS.9) Dialing & Reporting Char.

1	2	3	4	5	6	7	8
4 DIGITS	CHK 1.28 SUM SECS.	YES	TOUCH TONE	30 SEC DIAL TONE WAIT			
SW UP							
SW DN				✓			✓
3 DIGITS LS SUB	DBL MSG LS	0.5 HS KO	NO ANTI JAM	PULSE DIAL	USE GR. 13 SW. 6		

Data Group 13: (POS.10) Dialing & Reporting Char.

1	2	3	4	5	6	7	8
YES	YES						5 SEC
SW UP							
SW DN	✓	✓		✓	✓	✓	
				NO 2nd SUB TO 2nd PHs	NO UML TRY		11 Sec DIAL TONE WAIT

Data Group 14: (POS.11)

Ademco Lo/SESC/Rad Report Codes (0-9; B-F HEX)

SW	LOSS OF AC				ALARM RESTORE			
	1	2	3	4	5	6	7	8
BIT	1	2	4	8	1	2	4	8
WGT	(SEE HEX CODING CHART)							

Data Group 15: (POS.12)

Fire Zone Designation for "BFSK" alarm reporting (if Zn 4 selected as a fire zone):

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

Data Group 16: (POS.13)

Ademco Lo/SESC/Rad Report Codes (0-9; B-F HEX)

SW	ZONE BYPASS				BYPASS RESTORE			
	1	2	3	4	5	6	7	8
BIT	1	2	4	8	1	2	4	8
WGT	(SEE HEX CODING CHART)							

Data Group 17: (POS.14)

Ademco Lo/SESC/Rad Report Codes (0-9; B-F HEX)

SW	TEST				LOW BATTERY			
	1	2	3	4	5	6	7	8
BIT	1	2	4	8	1	2	4	8
WGT	(SEE HEX CODING CHART)							