No. 4180-12/4180EC Control/Communicator
PROGRAMMING WORKSHEET

FOR DETAILED PROGRAMMING INFORMATION, SEE THE INSTALLATION INSTRUCTIONS

A. CONTROL PROM

Data Group 1 (SEC/POS.2)

1. ENTRY DELAY __ = 15 secs X (0-9) ☐
2. EXIT DELAY __ = 15 secs X (0-9) ☐
3. EXT ALRM SNDR/PRI COMM DELAY __ = 15 secs X (0-9) ☐
4. ALRM SNDR TIMEOUT __ = 4min X (0-9) ☐
5. AC PWR FAIL REACTION DELAY__ = 4 min X (0-9) ☐
6. PWR-UP MODE SELECTION (1 = DISARMED; 0 = ARMED) ___

   INHIBIT MSTR SEC CODE? (2 = YES; 0 = NO) ___

   ANSWERS ARMED & NO = 8 DISARMED OR YES = 0 ___

   TOTAL: ☐
7. "TROUBLE" TO 2ND PHONE ONLY? (1 = Y; 0 = N) ___

   OPEN/CLOSE & BYPASS TO 2ND PHONE ONLY? (2 = Y; 0 = N) ___

   16 SEC DELAY REPORTING CLOSINGS? (4 = Y; 0 = N) ___

   ALL ABOVE ANSWERS "NO"? (8 = ALL NO; 0 = NOT ALL NO) ___

   TOTAL: ☐
8. INHIBIT EXT SNDR IF TELCO FAULTS? (1 = Y; 0 = N) ___

   CONFIRM OF ARMING DING? (2 = Y; 0 = N) ___

   ARMING STATUS OUTPUT HIGH? (4 = Y; 0 = N) ___

   ALL ABOVE ANSWERS "NO"? (8 = ALL NO; 0 = NOT ALL NO) ___

   TOTAL: ☐
9. ALL REPORTS TO ONE NUMBER/CALL? (1 = Y; 0 = N) ___

   DURESS TO 2ND NUMBER ONLY? (2 = Y; 0 = N) ___

   AC LOSS; TEST; LO BATT TO 2ND NUMBER ONLY? (4 = Y; 0 = N) ___

   ALL ABOVE ANSWERS "NO"? (8 = ALL NO; 0 = NOT ALL NO) ___

   TOTAL: ☐
10. ENABLE OPEN/CLOSE REPORTING? (1 = Y; 0 = N) ___

    ENABLE BYPASS REPORTING? (2 = Y; 0 = N) ___

    ENABLE TROUBLE REPORTING? (4 = Y; 0 = N) ___

    ALL ABOVE ANSWERS "NO"? (8 = ALL NO; 0 = NOT ALL NO) ___

    TOTAL: ☐
11. ENABLE ALARM RELAY DURING BURG? (1 = Y; 0 = N) ___

    ENABLE EXT SIREN DURING BURG? (2 = Y; 0 = N) ___

    EXT SOUNDERS TO REMAIN ON AFTER TIMEOUT FOR FIRE? (4 = Y; 0 = N) ___

    ALL ABOVE ANSWERS "NO"? (8 = ALL NO; 0 = NOT ALL NO) ___

    TOTAL: ☐
12. ZONE RESTORE ENABLE (ZONES 1-4) (SEE ZONE COMB. TABLE AT END OF FORM)

    ☐ OR ☐ 1ST + PASS ☐ 2ND PASS

Data Group 2 (PRI/POS.2)

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

1. ZONE 1 ☐ 5 .ZONE 5 ☐
2. ZONE 2 ☐ 6. ZONE 6 ☐
3. ZONE 3 ☐ 7. ZONE 7 ☐
4. ZONE 4 ☐ 8. ZONE 8 ☐

9. ENABLE LOW BAT. REPORTING IN ADEMCO HI SPEED OR RADIONICS "BFSK" FORMAT ? (1 = Y; 0 = N) ___

   ENABLE DUAL REPORT? (2 = Y; 0 = N) ___

   ENABLE ALTERNATE BY PAIRS RPT? (4 = Y; 0 = N) ___

   ALL ABOVE ANSWERS NO? (8 = ALL NO; 0 = NOT ALL NO) ___

   TOTAL: ☐
10. ENABLE AC POWER FAIL & LOW BATT RPT? (1 = Y; 0 = N) ___

    ENBL ALM SOUNDING AFTER AC LOSS? (4 = Y; 0 = N) ___

    ALL ABOVE ANSWERS NO? (8 = ALL NO; 0 = NOT ALL NO) ___

    TOTAL: ☐
11. ENBL ALM RELAY DURING FIRE? (1 = Y; 0 = N) ___

    ENBL. EXT. SIREN DURING FIRE? (2 = Y; 0 = N) ___

    LATCH ALM RLY AFTER TIMEOUT UNTIL NEXT DISARMED? (4 = Y; 0 = N) ___

    ALL ABOVE ANSWERS NO? (8 = ALL NO; 0 = NOT ALL NO) ___

    TOTAL: ☐
12. ZONE RESTORE ENABLE (ZONES 5-8) (SEE ZONE COMB TABLE AT END OF FORM)

    ☐ OR ☐ 1ST + PASS ☐ 2ND PASS

Data Group 3: (PRI/POS.3)

MASTER SECURITY CODE (0-9; FILL IN 4 DIGITS)

☐☐☐☐

Data Group 4 (SEC/POS.3)

1. CONSOLE "FIRE" KEYS ASS'D TO ZONE (1-8; OR 0 TO DISABLE) ☐
2. CONSOLE "POLICE" KEYS ASS'D TO ZONE (1-8; OR 0 TO DISABLE) ☐
3. CONSOLE "EMERG" KEYS ASS'D TO ZONE (1-8; OR 0 TO DISABLE) ☐
4. FAST RESPONSE ENBL (ZONES 5-8) (SEE ZONE COMB TABLE AT END OF FORM)

☐ OR ☐ 1ST + PASS ☐ 2ND PASS

Data Group 5: (POS. 5)

TRBL ON OPEN SELECT

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 6: (POS. 4)

24 HOUR ZONE SELECT

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 7: (POS. 13)

FIRE ZONE SELECT

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 8: (POS.14)

ENTRY/ EXIT ZONE SELECT

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 9: (POS. 11)

CHIME ENABLE

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 10: (POS. 12)

EXTERIOR ALRM SNDR/ PRIMARY COMMUNICATOR DELAY ENABLE

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 11: (POS. 6)

INTERIOR ZONE SELECT

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 12: (POS. 7)

BYPASS ENABLE

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 13: (POS. 8)

16 SEC DIALR DLY ENABLE

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 14: (POS. 9)

DIALER CALL 2ND # ONLY

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 15: (POS. 10)

COMM RSTR RPT ENBL

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group 16: (SEC./POS 1)

(SEE ZONE COMB. TABLE AT END OF FORM)

1. "LITES ON" ENABLE (ZONES 1 - 4)

☐ OR ☐ 1ST + PASS ☐ 2ND PASS

2. EXT SNDR INHIBIT ON ALARM (ZONES 1-4)

☐ OR ☐ 1ST + PASS ☐ 2ND PASS

3. CONSOLE SOUNDER /DISPLAY INHIBIT ON ALARM (ZONES 1-4)

☐ OR ☐ 1ST + PASS ☐ 2ND PASS

4. TRBL ON SHORT ENABLE (ZONES 1-4)

☐ OR ☐ 1ST + PASS ☐ 2ND PASS

Data Group 17: (PRI/POS.1)

(SEE ZONE COMB. TABLE AT END OF FORM)

1. "LITES ON" ENABLE (ZONES 5-8)

☐ OR ☐ 1ST + PASS ☐ 2ND PASS

2. EXT SNDR INHIBIT ON ALARM (ZONES 5-8)

☐ OR ☐ 1ST + PASS ☐ 2ND PASS

3. CONSOLE SNDR/DISPLAY INHIBIT ON ALARM (ZONES 5-8)

☐ OR ☐ 1ST + PASS ☐ 2ND PASS

4.TRBL ON SHORT ENABLE (ZONES 5-8)

☐ OR ☐ 1ST + PASS ☐ 2ND PASS

B. COMMUNICATION PROM

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)

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Data Group 4: (SEC/POS. 2)

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

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Data Group 5: (PRI/POS. 3)

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

☐☐☐☐

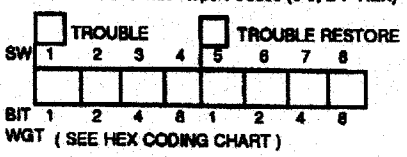
Data Group 6: (SEC/POS.3)

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

☐☐☐☐

Data Group 7: (POS. 4)

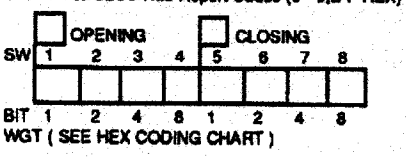
Ademco Lo/SESC/Rad Report Codes (0-9; B-F HEX)



WGT (SEE HEX CODING CHART)

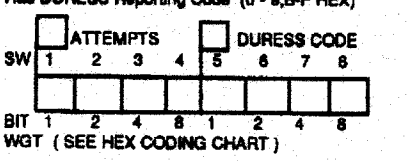
Data Group 8: (POS . 5)

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



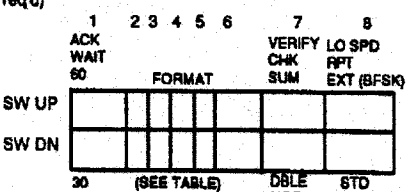
WGT (SEE HEX CODING CHART)

Data Group 9: (POS. 6) Max No. of ATTEMPTS to Dial (1-15) and Ademco Lo /SESC/ Rad DURESS Reporting Code (0 - 9;B-F HEX)

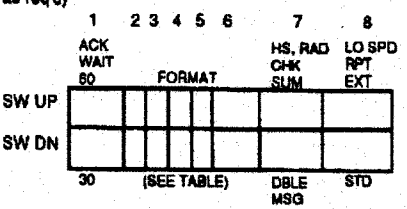


WGT (SEE HEX CODING CHART)

Data Group 10: (POS.7)Ack Wait,Verification, and Reporting Formats for PRI TELCO No. (check as req'd)



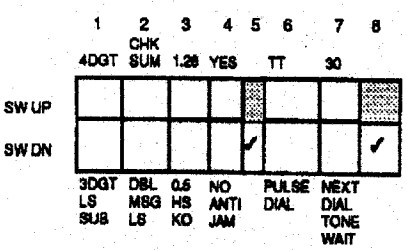
Data Group 11: (POS. 8) Ack Wait,Verification, and Reporting Formats for SEC TELCO No. (Check as req'd)



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

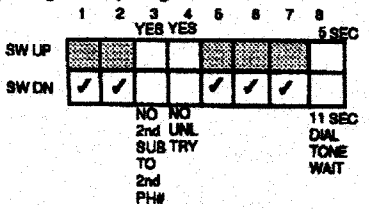
Data Group 12: (POS. 9)

Dialing & Reporting Characteristics.



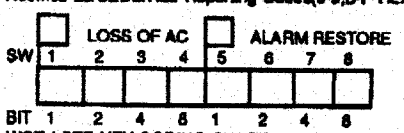
Data Group 13: (POS. 10)

Dialing and Reporting Characteristics.



Data Group 14: (POS. 11)

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



WGT (SEE HEX CODING CHART)

Data Group 15: (POS. 12)

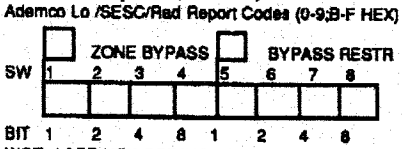
Fire Zone Designation for "BFSK" alarm reporting.

SW1 2 3 4 5 6 7 8

Zn 1	Zn 2	Zn 3	Zn 4	Zn 5	Zn 6	Zn 7	Zn 8

Data Group16: (POS. 13)

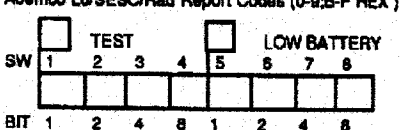
Ademco Lo /SESC/Rad Report Codes (0-9;B-F HEX)



WGT (SEE HEX CODING CHART)

Data Group17: (POS. 14)

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



WGT (SEE HEX CODING CHART)

HEXADECIMAL CODING CHART

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

ZONE COMBINATION TABLE

ZONE COMBINATIONS ZONES 1 - 4	ZONES 5 - 8	PROGRAM THESE VALUES
1	5	1
2	6	2
3	7	4
4	8	8
1,2	5,6	3
1,3	5,7	5
1,4	5,8	9
1,2,3	5,6,7	7
2,3	6,7	6
USE 2-PASS PROCEDURE		**FIRST PASS** / **SECOND PASS**
2,4	6,8	2 / 8
1,2,4	5,6,8	3 / 8
3,4	7,8	4 / 8
1,3,4	5,7,8	5 / 8
2,3,4	6,7,8	6 / 8
1,2,3,4	5,6,7,8	7 / 8

NOTE: If option not desired, skip to next programming item.