

4433

**SILENT KNIGHT**  
**MODEL 2820**  
**PROGRAMMING RECORD**  
**MANUAL**  
**SEPTEMBER 1989**  
**PART NUMBER 150491**

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### **INTRODUCTION**

To use this form, circle the appropriate answer for each option or fill in the blanks where necessary. It is recommended that you use a pencil to fill in this form so that options can be easily changed.

For more information on each of the options, see the Model 2820 Installation Manual (P/N 150492).

FOR USE WITH MODEL 5521 SOFTWARE  
REVISION LEVEL 880707 OR LATER

DATE \_ \_ / \_ \_ / \_ \_

Customer name \_\_\_\_\_

Address \_\_\_\_\_

Phone # \_\_\_\_\_

Account # \_\_\_\_\_

**1 SYSTEM OPTS.**

OPTION	SELECTION			
DEFAULT MODE	-	Open	Force	Close
BELL TEST @ PUC	-	Yes	No	
PRINTER	-	Yes	No	
ZONE EXP1	-	Yes	No	
2200 OR MK	-	Yes	No	
SYSTEM TYPE	-	Residential	Commercial	
INSTANT IF ALARM	-	Yes	No	
FORCE ARM	-	Yes	No	
INT ON @ INTRU	-	Yes	No	
INT FOLLOWERS	-	Yes	No	
ARM LOCK INT KEY	-	Yes	No	
INT OFF @ DISARM	-	Yes	No	
AUTO INTERIOR	-	Yes	No	
EXIT BEEPS	-	Yes	No	
SILNT NIGHT TRBL	-	Yes	No	
SWINGER BYPASS	-	Yes	No	
DELAYED BYPASS	-	Yes	No	
AUTO UNBYPASS	-	Yes	No	
BYPASS CODE	-	Yes	No	
REP ALL OP/CL	-	Yes	No	
REP EXCPTN OP/CL	-	Yes	No	
REPORT OT/CT	-	Yes	No	
REPORT DG	-	Yes	No	
MILITARY TIME	-	Yes	No	
MAX SKEY ID	-	0 1 2 3 4 5 6 7		
DISPLAY RATE	-	.5 Sec.	1 Sec.	1.5 Sec. 2 Sec.
SPLIT BYPASSING	-	Yes	No	
FAST RESTORES	-	Yes	No	
DURESS	-	Yes	No	
RINGBACK @ CL	-	Yes	No	
BELL TEST @ ARM	-	Yes	No	
AUTO CLOSE	-	Yes	No	

**2 INTERNAL ZONES**

LAST INT Z# - \_ \_ (0-16)

For this section you will circle the appropriate zone numbers for each option.

NOTE: Zones 10 thru 16 are entered as A thru G respectively.

	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G
DAY TROUBLE	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
24HR TROUBLE	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
N.C. CONTACT	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
N.O. CONTACT	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SPEED 2 OR 4	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SPEED 3 OR 4	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
24HR ALARM	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
EXIT DELAY	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ENTRY DELAY 1	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ENTRY DELAY 2	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
INTERIOR	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
BYPASSABLE	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CHIME	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

**3 EXPANSION ZONES**

LAST EXP1 ZONE - \_ \_ (0 - 32)

RESIDENCE CODE - \_ \_ \_ \_ (maximum code of 1024)

24HR ALARM	-	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
EXIT DELAY	-	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
ENTRY DELAY 1	-	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
24HR TROUBLE	-	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
INTERIOR	-	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
BYPASSABLE	-	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

NOTE: Above Zone Numbers assume that LAST INT Z# was 16.

**4 DIALER**

COMPUTER PH#	-	-----				
RETRY IF FAIL	-	Yes	No			
2 PHONE LINES	-	Yes	No			
GROUND START	-	Yes	No			
LINE MONITOR	-	Yes	No			
ANSWER RING	-	Yes	No			
UP/DOWN USED	-	Yes	No			
LOCAL ONLY	-	Yes	No			
FAIL ATTEMPTS	-	--	(1-15)			
TOTAL ATTEMPTS	-	--	(1-15)			
# RINGS	-	--	(0-15)			
AC LOSS HOURS	-	--	(1-15)			
REPORT ALARM	-	#1	#2	#3	#4	
REPORT TROUBLE	-	#1	#2	#3	#4	
REPORT BYPASS	-	#1	#2	#3	#4	
REPORT RESTORE	-	#1	#2	#3	#4	
REPORT OP RESET	-	#1	#2	#3	#4	
REPORT OP/CL	-	#1	#2	#3	#4	
REPORT DOOR	-	#1	#2	#3	#4	
REPORT TEST	-	#1	#2	#3	#4	
MUST REPORT	-	#1	#2	#3	#4	
TOUCHTONE LINE 1	-	Yes	No			
TOUCHTONE LINE 2	-	Yes	No			
TOUCHTONE ONLY	-	Yes	No			
PHONE #1	-	-----				
PHONE #2	-	-----				
PHONE #3	-	-----				
PHONE #4	-	-----				

NOTE: The Security Equipment Industry Association (SEIA) has changed its name to the Security Industry Association (SIA).

ACCOUNT #1	-	-----				FORMATS
FORMAT #1	-	_____				1 = SIA8
ATTEMPTS #1	-	--				2 = FSK 1
LISTEN TIME	-	---	Sec.			3 = N/A
						4 = BFSK 1400HZ
						5 = BFSK 2300HZ
						6 = SIA20
						7 = SK 4/2
LISTEN TO	-	1 (All Reports)		2 (Alarm/Test)		
USE LINE 1 ONLY	-	YES	NO			
USE LINE 2 ONLY	-	YES	NO			
DIRECT LINE	-	YES	NO			
ACCOUNT #2	-	-----				
FORMAT #2	-	_____				
ATTEMPTS #2	-	--				
LISTEN TIME	-	---	Sec.			
LISTEN TO	-	1 (All Reports)		2 (Alarm/Test)		
USE LINE 1 ONLY	-	YES	NO			
USE LINE 2 ONLY	-	YES	NO			
DIRECT LINE	-	YES	NO			
ACCOUNT #3	-	-----				
FORMAT #3	-	_____				
ATTEMPTS #3	-	--				
LISTEN TIME	-	---	Sec.			
LISTEN TO	-	1 (All Reports)		2 (Alarm/Test)		
USE LINE 1 ONLY	-	YES	NO			
USE LINE 2 ONLY	-	YES	NO			
DIRECT LINE	-	YES	NO			
ACCOUNT #4	-	-----				
FORMAT #4	-	_____				
ATTEMPTS #4	-	--				
LISTEN TIME	-	---	Sec.			
LISTEN TO	-	1 (All Reports)		2 (Alarm/Test)		
USE LINE 1 ONLY	-	YES	NO			
USE LINE 2 ONLY	-	YES	NO			
DIRECT LINE	-	YES	NO			

**5 TIMERS**

AUD SHUTDOWN - \_ \_ \_ (1-255) # of Seconds divided by 10  
EXIT DELAY - \_ \_ \_ (1-255) Seconds  
ENTRY DELAY 1 - \_ \_ \_ (1-255) Seconds  
ENTRY DELAY 2 - \_ \_ \_ (1-255) Seconds  
SWINGER WINDOW - \_ \_ (1-24) Hours  
RF SUPERVISION - \_ \_ (2-24) Hours  
DOOR STRIKE - \_ \_ (1-15) Seconds (approximate)  
ALM REP DELAY - \_ \_ \_ (1-255) Seconds  
CLOSED DAYS - 0 Sun 1 Mon 2 Tue 3 Wed 4 Thu 5 Fri 6 Sat  
SPECIAL DAYS - 0 Sun 1 Mon 2 Tue 3 Wed 4 Thu 5 Fri 6 Sat  
AUTO TEST - Yes No  
DAILY TEST - Yes No  
TEST DAY - \_\_\_\_ 0 = Sunday .... 6 = Saturday  
TEST TIME - \_ \_ : \_ \_ (Military Time)

**6 ACCESS OPTS.**

For each code, select the functions available to that user. The functions are Door (DR), Bypass (BY), Arm or Close (CL), and Disarm or Open (OP). Options are entered as 1, 2, 3, 4 or D, B, C, O. Circle the desired options in the chart below.

**7 SECRET CODES**

First enter the duress trigger (1 or 2 digits), then enter the secret code for each user. All codes should be the same length, from 3 to 6 digits, and no code can start with the duress trigger digit(s).

*NOTE: In UL installations, the installer's access code (Code 0) must be at least 4 digits long.*

DURESS TRIGGER - \_ \_

Code #	Access opts				Secret code	User name (reference)
	1	2	3	4		
0	DR	BY	CL	OP	_____	_____
1	DR	BY	CL	OP	_____	_____
2	DR	BY	CL	OP	_____	_____
3	DR	BY	CL	OP	_____	_____
4	DR	BY	CL	OP	_____	_____
5	DR	BY	CL	OP	_____	_____
6	DR	BY	CL	OP	_____	_____
7	DR	BY	CL	OP	_____	_____
8	DR	BY	CL	OP	_____	_____
9	DR	BY	CL	OP	_____	_____
10	DR	BY	CL	OP	_____	_____
11	DR	BY	CL	OP	_____	_____
12	DR	BY	CL	OP	_____	_____
13	DR	BY	CL	OP	_____	_____
14	DR	BY	CL	OP	_____	_____
15	DR	BY	CL	OP	_____	_____
16	DR	BY	CL	OP	_____	_____
17	DR	BY	CL	OP	_____	_____
18	DR	BY	CL	OP	_____	_____
19	DR	BY	CL	OP	_____	_____
20	DR	BY	CL	OP	_____	_____
21	DR	BY	CL	OP	_____	_____
22	DR	BY	CL	OP	_____	_____
23	DR	BY	CL	OP	_____	_____
24	DR	BY	CL	OP	_____	_____
25	DR	BY	CL	OP	_____	_____
26	DR	BY	CL	OP	_____	_____
27	DR	BY	CL	OP	_____	_____
28	DR	BY	CL	OP	_____	_____
29	DR	BY	CL	OP	_____	_____



## 8 WINDOWS

NORM OPEN FROM \_\_: \_\_ UNTIL \_\_: \_\_  
 NORM CLOSE FROM \_\_: \_\_ UNTIL \_\_: \_\_  
 SPEC OPEN FROM \_\_: \_\_ UNTIL \_\_: \_\_  
 SPEC CLOSE FROM \_\_: \_\_ UNTIL \_\_: \_\_

NOTES: Auto Close will occur at the end of the Close Window.

Enter times using the Military Format.

Press "N" to select NEVER if you wish the Open or Close always to be reported on Special days.

## 9 SYSTEM MESSAGES

Message #	Default Message	Altered Message	Context
0	"*"	-	not used
1	"BYPASSED"	- - - - -	zones bypassed
2	"NOT READY"	- - - - -	not ready to arm
3	"READY"	- - - - -	ready to arm
4	"TROUBLE"	- - - - -	any kind of trouble
5	"LOW BATTERY"	- - - - -	RF zone battery
6	"SILENCED"	- - - - -	trouble muted
7	"-----"	- - - - -	not used
8	"SERVICE"	- - - - -	not used
9	"WALK TEST"	- - - - -	mode 2
10	"*"	-	not used
11	"DATE"	- - - - -	mode 8
12	"TIME"	- - - - -	mode 9
13	"-----"	- - - - -	not used
14	"-----"	- - - - -	not used
15	"DOOR"	- - - - -	RESTRICTED DOOR
16	"ARMED"	- - - - -	system armed
17	"CODE2"	- - - - -	ARMED CODE 2
18	"INSTANT"	- - - - -	ARMED INSTANT, no delay
19	"COMPLETE"	- - - - -	interior on
20	"PERIMETER"	- - - - -	interior off
21	"*"	-	not used
22	"*"	-	not used
23	"RESTRICTED"	- - - - -	RESTRICTED CODE, etc.
24	"TRY AGAIN"	- - - - -	code entry error
25	"ENTER CODE"	- - - - -	waiting for code
26	"CODE"	- - - - -	RESTRICTED CODE, mode 7
27	" SEC TO "	- - - - -	15 SEC TO ALARM
28	"EXIT"	- - - - -	30 SEC TO EXIT
29	"ALARM"	- - - - -	INTRUSION ALARM
30	"DEVICE"	- - - - -	expansion trouble
31	"KEYSTATION"	- - - - -	keystation panic

NOTE: Message 27 should begin and end with a space.

**SYSTEM MESSAGES, continued**

32	"SUN"	---	SUN AM 12:00
33	"MON"	---	MON ...
34	"TUE"	---	TUE ...
35	"WED"	---	WED ...
36	"THU"	---	THU ...
37	"FRI"	---	FRI ...
38	"SAT"	---	SAT PM 12:59
39	"*"	-	not used
40	"AM "	---	... AM ....
41	"PM "	---	... PM ....
42	"REPORTING"	-----	calling C.S.
43	"LISTENING"	-----	listen-in on
44	"UP/DOWNLOAD"	-----	calling computer
45	"ZONE"	-----	RESTRICTED ZONE
46	"*"	-	not used
47	"*"	-	not used
48	"PAPER"	-----	5255 out of paper
49	"*"	-	not used
50	"DATA LOST"	-----	failed all attempts
51	"FAILED"	-----	failed some attempts
52	"BATTERY"	-----	system battery low
53	"AC"	---	AC power low or out
54	"LINE 1"	-----	phone line 1 bad
55	"LINE 2"	-----	phone line 2 bad
56	"HOLDUP"	-----	memory HOLDUP ALARM:
57	"FIRE"	-----	FIRE ALARM:
58	"MEDICAL"	-----	MEDICAL ALARM:
59	"PANIC"	-----	PANIC ALARM:
60	"INTRUSION"	-----	INTRUSION ALARM:
61	"TAMPER"	-----	TAMPER ALARM:
62	"GAS"	---	GAS ALARM:
63	"AUXILIARY"	-----	AUXILIARY ALARM:

*NOTES: Messages 40 and 41 should end with a space.*

*Message 63 appears for any of these zone types: Undefined, Water, Heat, Cold, Local.*

*Messages designated "not used" can be shortened to 1 character to make room to expand other messages.*

*You may also use lower-case letters, by pressing SHIFT and the letter.*

**CAUTION: Expanding the length of a message may cause some of it to disappear off the end of the LCD display.**

**10 ZONE TYPES**

Use the arrow keys to select the desired type, and press ENTER. Then select the desired options by pressing 1, 2, 3, 4 or S, R, B, N.

**Chart of Zone Types:**

- |               |                         |
|---------------|-------------------------|
| H - Holdup    | G - Gas                 |
| F - Fire      | U - Undefined Auxiliary |
| M - Medical   | W - Water               |
| P - Panic     | H - Heat                |
| B - Intrusion | C - Cold                |
| T - Tamper    | L - Local Auxiliary     |

**Chart of Zone Options:**

- SA - Silent Alarm
- RD - alarm Report Delayed
- BD - external Bell Delayed until dialer fail
- NS - No bell shutdown

**11 ZONE LOCATIONS**

Enter descriptions such as Front Door, Back Door, etc. (13 characters max.)

ZONE #	Type	Options				Location
1	_____	SA	RD	BD	NS	-----
2	_____	SA	RD	BD	NS	-----
3	_____	SA	RD	BD	NS	-----
4	_____	SA	RD	BD	NS	-----
5	_____	SA	RD	BD	NS	-----
6	_____	SA	RD	BD	NS	-----
7	_____	SA	RD	BD	NS	-----
8	_____	SA	RD	BD	NS	-----
9	_____	SA	RD	BD	NS	-----
10	_____	SA	RD	BD	NS	-----
11	_____	SA	RD	BD	NS	-----
12	_____	SA	RD	BD	NS	-----
13	_____	SA	RD	BD	NS	-----
14	_____	SA	RD	BD	NS	-----
15	_____	SA	RD	BD	NS	-----
16	_____	SA	RD	BD	NS	-----
17	_____	SA	RD	BD	NS	-----
18	_____	SA	RD	BD	NS	-----
19	_____	SA	RD	BD	NS	-----
20	_____	SA	RD	BD	NS	-----
21	_____	SA	RD	BD	NS	-----
22	_____	SA	RD	BD	NS	-----
23	_____	SA	RD	BD	NS	-----
24	_____	SA	RD	BD	NS	-----
25	_____	SA	RD	BD	NS	-----
26	_____	SA	RD	BD	NS	-----
27	_____	SA	RD	BD	NS	-----
28	_____	SA	RD	BD	NS	-----
29	_____	SA	RD	BD	NS	-----
30	_____	SA	RD	BD	NS	-----
31	_____	SA	RD	BD	NS	-----
32	_____	SA	RD	BD	NS	-----