

3. PROGRAMMING

The control panel is programmed by any of the following methods, each of which is described in detail in the following paragraphs: (a) DD493BNK PROM programming using a PRO410; (b) keypad programming; (c) downloading using an IBM PC-compatible computer with Napco PCD2000 Quickloader software and PCI2000 interface.

PROM PROGRAMMING

Two DD493BNK PROMs may be programmed using a PRO-410M Programmer. Refer to the manual furnished with the programmer for operating instructions and to the Programming Record Sheet. PROM programming may be used to program all features except

- All User Codes
- Exit/Entry Times
- Test-Timer Time
- Test-Timer Interval
- Zone Descriptions
- Opening and Closing Suppression Windows

Important! The following Page-1 programming is required for DD493BNK PROMs:

- PROM No. 1 (Page 1): Location 251: C; Location 252: 3
- PROM No. 2 (Page 1): Location 251: D; Location 252: 3

Transferring Memory from a DD493BNK PROM.

Data programmed in the PROMs are saved in memory as follows (also see Wiring Diagram).

1. At the control panel, with ac and battery power off, insert either programmed PROM into the MEMORY CHIP socket. Align the dot on the PROM with the dot on the circuit board.
2. Apply ac power. Enter the Dealer Program Mode: Hold down Key [8] until the beep sounds, then enter the Dealer Program Code.
3. Exit the Dealer Program Mode: Hold down Key [8] until the beep sounds, then enter the Dealer Program Code.
4. During the transfer process, an "L" will be displayed (indicating "loading"). Wait for the display to go blank, then remove all power and remove the PROM from the socket.
5. Repeat Steps 1-4 for PROM No. 2, then power up normally.

KEYPAD PROGRAMMING

Keypad Programming may be divided into two sub-groups: User Program Mode and Dealer Mode. User Keypad Programming (refer to operating instructions for keypad in use) is limited to User Codes (including Manager's Code and Access Code, but not Ambush or User Program Code). In the Dealer Program Mode, the keypad provides full programming capabilities. **Note:** The User Program Mode cannot be entered for the first

three minutes after power-up unless the panel is first reset using Hold-Down Function 9.

Dealer Keypad Programming. Set the keypad to the Dealer Program Mode: Hold down Key [8] until a beep sounds, then enter the Dealer Program Code. (The factory-programmed Dealer Program Code is 4,5,6,7,8,9, but this code must be reprogrammed to preserve system security. Record it and store it in a safe place; attempts to alter programming without this code will fail!) The center segment of the numeric display will light to indicate the Dealer Program Mode.

The Dealer Program Mode cannot be accessed while the panel is armed or communicating except during the first three minutes after power-up. See *Power-Up Delay*. (To shut the 3-minute "window" early, that is, before it times out, hold down Key [9].) **Note:** If the Dealer Program Mode has been accessed within the first three minutes after power-up, complete required programming, exit the Dealer Program Mode (see below), then power-down and power-up the system once again.

Set the location to be programmed by pressing Key [B]. Each location must be entered as a three-digit number, that is, 001, 020, 157, etc. At this point, several numeric keys will take on new functions. Refer to the installation instructions for the keypad in use for descriptions of these new functions and additional keypad programming information.

To exit the Dealer Program Mode, hold down Key [8] until the beep sounds, then enter the Dealer Program Code within 10 seconds.

DOWNLOADING FROM A COMPUTER. (PCD2000 and PCI2000 not evaluated by UL. Do not use for programming panels in UL-listed installations.)

Remote Downloading

Data may be remotely downloaded to the panel via telephone lines using an IBM PC-compatible computer with Napco PCD2000 software and PCI2000 interface. On-screen prompting and the extensive use of help menus simplify programming, and an error-checking mode locates omissions and incompatible data to reduce the possibility of mistakes. Remote downloading requires (a) a modem compatible with the PCI2000 and (b) PCD2000 software Version 2.E or higher. **Note:** Remote downloading may be disabled through programming and *must* be disabled in UL installations. A program may be downloaded remotely using one of the following procedures.

Callback Method. This method is used to download to an unattended panel. The panel will accommodate an answering machine at the site if line seizure is used on the house phones. **Note:** The number of rings programmed into the panel must exceed that of the answering machine.

Function-6 Method. Call the central station from the site to request a *Manual Download*. During this proce-

sure, voice contact will be lost, therefore both the installer and the computer operator should be familiar with the operation. When a high-pitched tone is heard at the site phone, arm the panel, disarm, then access Hold-Down Function 6 (*Manual Download*) within 5 seconds; the site phone will go dead. Hang up the phone and wait for a call from the central station confirming a successful download.

Auto-Download Method. Napco PCD2000 Software Version 2.E and later includes *PC-Preset*, a utility wherein blocks of up to 99 programs each may be preset for remote uploading or downloading from the installation site while the computer is unattended. The *Auto-Download ID Number* identifies the program in the computer that will be selected. (Note that the Dealer Program Code in the PCD2000 must agree with that of the control panel for the remote connection to be established.)

At the installation site, the *Auto-Download ID Number* corresponding to that in the computer is programmed into the panel, along with the *Callback Telephone Number* of the computer. To execute an Auto-Download, arm the panel, disarm, then access Function 6 within 5 seconds. **Note:** Provisions are made for two Callback Telephone Numbers. If *Callback Telephone Number 2* is programmed, *Callback Select* must also be programmed.

Local Downloading

Data may be locally downloaded with the use of a PCL2000 Local Download Cable, which is supplied with the PCI2000 interface. The panel may be programmed right out of the box (with no zones or keypads wired) or after it has been placed into service.

1. Referring to the PCI2000 Wiring Diagram, connect the PCL2000 Local Download Cable between the modem LINE connector and the control panel Telco terminals. (Remove the plug shown coming from the PCI2000-J5.)

2a. *Panel out of the box:* With the control panel unpowered, set up the computer for a *Function-6 Method* download. When a high-pitched tone is heard at the modem, power up the panel (connect the battery or transformer). A connection will automatically be established, ignoring the status of the zones. **Note:** In this mode, the panel will not report any alarms which would otherwise interrupt the connection to the computer.

2b. *Panel already in service:* Set up the computer for a *Function-6 Method* download. When a high-pitched tone is heard at the site phone, arm the panel, disarm,

then hold down Key [6] within 5 seconds.

3. Make all required selections and download the program.

4. After the computer indicates a successful download, terminate the connection.

GENERAL PROGRAMMING STEPS

Note: Refer to *SUMMARY OF UL REQUIREMENTS* for UL required programming.

1. Contact the central station to confirm receiver format, data format, event codes, subscriber numbers and telephone number(s). Two receiver descriptions and telephone numbers, and up to 4 Subscriber Identification Numbers may be required.

2. Complete the Programming Sheet. Reference record sheets for the MA1016e are furnished in the following pages. Select the desired features by circling the respective *address* boxes. Refer to the Glossary for guidance in selecting *data* entries (1,2,4,8).

3. To program the subscriber PROMs, follow the instructions furnished with the programmer. While programming, remember to keep the *address page number* in mind, and be sure that the position of the PAGE switch (PRO410/410M) is set accordingly. **Note:** If using the PRO410/410M, before attempting to program either page, be sure that all data in programmer memory are erased (press [ERASE], then [EXECUTE]).

4. Program the data entries in the boxes on the Programming Record Sheets into the respective locations or addresses. The display will show the entry numerically, but will display "0" for the number "10", and letters "B", "C", "D", "E", and "F" for the numbers "11" through "15", respectively. To program a "10", enter [0]. To program "11" through "15", enter [B] through [F] respectively. If using the PRO410/410M, use the [PLUS] key to enter any two or more digits that add up to the desired entry.

Entry Total:	10	11	12	13	14	15
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Display:	0	B	C	D	E	F
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(PRO410/410M only): To program "13", for example, enter either [d] or [8] [PLUS] [5], or [8] [PLUS] [4] [PLUS] [1], etc.

Similarly, to *add* to an existing PROM location, first press the [PLUS] key, then the complementary digit, otherwise the digit entered will *replace* the digit in memory. Refer to the PRO410/410M instruction booklet for further programming information.

KEYPAD PROGRAMMING RECORD SHEET FOR THE MAGNUM ALERT-1016e

NOTE: FACTORY-PROGRAMMED VALUES ARE SHOWN IN PARENTHESES.

EXIT DELAY		ENTRY DELAY 1		ENTRY DELAY 2	
x1	x16	x1	x16	x1	x16
000	001	002	003	004	005
(C)	(3)	(E)	(1)	(E)	(1)

USER 1						USER 2						USER 3						USER 4					
006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029
(1)	(2)	(3)																					

USER 5						USER 6						USER 7						USER 8					
030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051	052	053

USER 9						USER 10						USER 11						USER 12					
054	055	056	057	058	059	060	061	062	063	064	065	066	067	068	069	070	071	072	073	074	075	076	077

USER 13/ARM ONLY						USER 14/DISABLE SERVICE						USER 15/SERVICE CODE						MANAGER'S CODE					
078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099	100	101

ACCESS CODE					
108	109	110	111	112	113

AMBUSH CODE	
114	115

USER PROGRAM CODE						DEALER PROGRAM CODE					
120	121	122	123	124	125	126	127	128	129	130	131
(1)	(2)	(3)	(4)	(5)	(6)	(4)	(5)	(6)	(7)	(8)	(9)

KEYPAD PROGRAMMING RECORD SHEET FOR THE MAGNUM ALERT-1016e

NOTE: FACTORY-PROGRAMMED VALUES ARE SHOWN IN PARENTHESES.

CALLBACK TELEPHONE NUMBER 1																ANSWER ON RING #	AUTO D/L ID #				
316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	826	511 510

FF = TIME SET
1-99 = D/L ID#

CALLBACK TELEPHONE NUMBER 2																CALLBACK SELECT					
900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	508	ENTER ← "1" OR "2"

TEL #1	FORMAT			DIALER TELEPHONE NUMBERS																			
	336	338	339	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275
TEL #2				(E)																			
	340	342	343	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295
TEL #3				(E)																			
	344	346	347	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315
				(C)																			

BLANK
1 ADEMCO SLOW, SILENT KNIGHT SLOW
2 SESCOA, VERTEX, DCI, FRANKLIN FAST
3 RADIONICS FAST
4 SILENT KNIGHT FAST
5 RADIONICS, DCI, FRANKLIN SLOW
6 UNIVERSAL HIGH SPEED

1 = 2300Hz HANDSHAKE
2 = 2300Hz KISSOFF
4 = 2 DIGIT OR 4/2
8 = SINGLE DIGIT ONLY

1 = SUM CHECK
2 = (RESERVED)
4 = (RESERVED)
8 = (RESERVED)

		USER					USER					USER					USER				
		1	2	3	4		5	6	7	8		9	10	11	12		13	14	15	-	
CLOSING TELCO 1	584	1	2	4	8	585	1	2	4	8	586	1	2	4	8	587	1	2	4	*	
OPENING TELCO 1	588	1	2	4	8	589	1	2	4	8	590	1	2	4	8	591	1	2	4	*	
CLOSING TELCO 3	600	1	2	4	8	601	1	2	4	8	602	1	2	4	8	603	1	2	4	*	
OPENING TELCO 3	604	1	2	4	8	605	1	2	4	8	606	1	2	4	8	607	1	2	4	*	
AREA 1 ARM/DISARM	828	(1)	(2)	(4)	(8)	829	(1)	(2)	(4)	(8)	830	(1)	(2)	(4)	(8)	831	(1)	(2)	(4)	*	
AREA 2 ARM/DISARM	832	1	2	4	8	833	1	2	4	8	834	1	2	4	8	835	1	2	4	*	

* DO NOT PROGRAM! Operation may be adversely affected.

SUBSCRIBER ID NUMBERS																				
	OPN/CLOS AREA 1				OPN/CLOS AREA 2				BANK 0				BANK 1				BANK 2			
TEL #1	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373
TEL #2	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393
TEL #3	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413

KEYPAD PROGRAMMING RECORD SHEET FOR THE MAGNUM ALERT-1016e

NOTE: FACTORY-PROGRAMMED VALUES ARE SHOWN IN PARENTHESES.

	FIRE		FIR TBL		NO CLOS		T-TIMER		LOW BAT		AC FAIL	
BANK-0 CODES	426	427	428	429	430	431	432	433	434	435	436	437
	(1)	(1)	(1)	(F)			(F)	(F)	(1)	(8)	(1)	(9)

	1		2		3		4		5		6		7		8	
BANK-1 CODES	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453
	(3)	(1)	(3)	(2)	(3)	(3)	(3)	(4)	(3)	(5)	(3)	(6)	(3)	(7)	(3)	(8)

	9		10		11		12		13		14/AUX*		PANIC		AMBUSH	
BANK-2 CODES	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469
	(4)	(1)	(4)	(2)	(4)	(3)	(4)	(4)	(4)	(5)	(4)	(6)	(2)	(1)	(2)	(2)

*NOTE: ZONE 14 MAY BE USED AS AUXILIARY PANIC.

ALARMS, BANKS 0, 1, 2

Uses above Alarm Codes (1st and/or 2nd digit)

RESTORES, BANKS 0, 1, 2

Event Code, then 2nd digit (1st if 2nd blank)

TROUBLES, BANKS 1, 2

Event Code, then 2nd digit (1st if 2nd blank)

TROUBLE RESTORES, BANKS 1, 2

Restore Event Code, then Trouble Event Code

RESTORE CODES

BANK 0	470	BANK 1	474	BANK 2	478
	(E)		(E)		(E)

TROUBLE/STATUS CODES

BANK 1	476	BANK 2	480
	(F)		(F)

AREA-1 CODES

OPENING	CLOSING	FORCE*
414	416	418
(B)	(C)	(F)

AREA-2 CODES

OPENING	CLOSING	FORCE*
420	422	424
(B)	(C)	(F)

*LEAVE BLANK IF NOT REPORTING FORCE ARM; NOT USED FOR STATUS OR 4/2.

KEYPAD PROGRAMMING RECORD SHEET FOR THE MAGNUM ALERT-1016e

NOTE: FACTORY-PROGRAMMED VALUES ARE SHOWN IN PARENTHESES.

	BANK 0				BANK 1				BANK 2																					
FEATURE		F	FT	NC†TT‡		LB	AC	A1	A2		1	2	3	4		5	6	7	8		9	10	11	12		13	14	PA	AM	
50ms LOOP RESPONSE	512	*	*	*	*	513	*	*	*	*	608	1	2	4	8	609	1	2	4	8	704	1	2	4	8	705	1	2	*	*
10ms LOOP RESPONSE	514	*	*	*	*	515	*	*	*	*	610	1	2	4	8	611	1	2	4	8	706	1	2	4	8	707	1	2	*	*
PRIORITY	516	1	2	*	*	517	1	2	*	*	612	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	613	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	708	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	709	(1)(2)	*	*		
PRIORITY WITH BYPASS	518	(1)	2	*	*	519	*	*	*	*	614	1	2	4	8	615	1	2	4	8	710	1	2	4	8	711	1	2	*	*
AUTO-BYPASS	520	*	*	*	*	521	*	*	*	*	616	1	2	4	8	617	1	2	4	8	712	1	2	4	8	713	1	2	*	*
SELECTIVE BYPASS	522	*	*	*	*	523	*	*	*	*	618	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	619	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	714	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	715	(1)(2)	*	*		
GROUP BYPASS	524	*	*	*	*	525	*	*	*	*	620	1	2	4	8	621	1	2	4	8	716	1	2	4	8	717	1	2	*	*
24-HOUR PROTECTION	526	*	*	*	*	527	*	*	*	*	622	1	2	4	8	623	1	2	4	8	718	1	2	4	8	719	1	2	(4)	*
BURG SIREN	528	1	2	*	*	529	1	2	*	*	624	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	625	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	720	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	721	(1)(2)(4)	*	*		
FIRE SIREN	530	(1)	2	*	*	531	1	2	*	*	626	1	2	4	8	627	1	2	4	8	722	1	2	4	8	723	1	2	4	*
LUG E16	532	1	2	*	*	533	1	2	*	*	628	1	2	4	8	629	1	2	4	8	724	1	2	4	8	725	1	2	4	*
VOLTAGE OUT ON ALARM	534	1	2	*	*	535	1	2	4	8	630	1	2	4	8	631	1	2	4	8	726	1	2	4	8	727	1	2	4	8
RELAY OUTPUT	536	1	2	*	*	537	1	2	4	8	632	1	2	4	8	633	1	2	4	8	728	1	2	4	8	729	1	2	4	8
ENTRY/EXIT #1	540	*	*	*	*	541	*	*	*	*	634	(1)	2	4	8	635	1	2	4	8	730	1	2	4	8	731	1	2	*	*
ENTRY/EXIT #2	542	*	*	*	*	543	*	*	*	*	636	1	2	4	8	637	1	2	4	8	732	1	2	4	8	733	1	2	*	*
E/E FOLLOWER	544	*	*	*	*	545	*	*	*	*	638	1	2	4	8	639	1	2	4	8	734	1	2	4	8	735	1	2	*	*
AUTO RESET	546	*	*	*	*	547	*	*	*	*	640	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	641	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	736	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	737	(1)(2)(4)	*	*		
SWINGER SHUTDOWN	548	*	*	*	*	549	*	*	*	*	642	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	643	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	738	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	739	(1)(2)	4	*	*	
CHIME	548	*	*	*	*	549	*	*	*	*	644	(1)	2	4	8	645	1	2	4	8	740	1	2	4	8	741	1	2	*	*
ABORT DELAY	550	1	2	*	*	551	*	*	*	*	646	1	2	4	8	647	1	2	4	8	742	1	2	4	8	743	1	2	*	*
POWER-UP DELAY	552	*	*	*	*	553	*	*	*	*	648	1	2	4	8	649	1	2	4	8	744	1	2	4	8	745	1	2	*	*
DAY ZONE OPEN	554	*	*	*	*	555	*	*	*	*	650	1	2	4	8	651	1	2	4	8	746	1	2	4	8	747	1	2	*	*
DAY ZONE SHORT	556	*	*	*	*	557	*	*	*	*	652	1	2	4	8	653	1	2	4	8	748	1	2	4	8	749	1	2	*	*
ALARM ON DAY ZONE	558	*	*	*	*	559	*	*	*	*	654	1	2	4	8	655	1	2	4	8	750	1	2	4	8	751	1	2	*	*
REPORT TELCO 1	560	1	2	4	8	561	1	2	*	*	656	1	2	4	8	657	1	2	4	8	752	1	2	4	8	753	1	2	4	8
ALARM RESTORE	562	1	2	*	*	563	1	2	*	*	658	1	2	4	8	659	1	2	4	8	754	1	2	4	8	755	1	2	*	*
TROUBLE	564	*	*	*	*	565	*	*	*	*	660	1	2	4	8	661	1	2	4	8	756	1	2	4	8	757	1	2	*	*
TROUBLE RESTORE	566	*	*	*	*	567	*	*	*	*	662	1	2	4	8	663	1	2	4	8	758	1	2	4	8	759	1	2	*	*
REPORT TELCO 3 (DOUBLE OR SPLIT REPORTING)	576	1	2	4	8	577	1	2	*	*	672	1	2	4	8	673	1	2	4	8	768	1	2	4	8	769	1	2	4	8
ALARM	578	1	2	*	*	579	1	2	*	*	674	1	2	4	8	675	1	2	4	8	770	1	2	4	8	771	1	2	*	*
ALARM RESTORE	580	*	*	*	*	581	*	*	*	*	676	1	2	4	8	677	1	2	4	8	772	1	2	4	8	773	1	2	*	*
TROUBLE	582	*	*	*	*	583	*	*	*	*	678	1	2	4	8	679	1	2	4	8	774	1	2	4	8	775	1	2	*	*
TROUBLE RESTORE	584	1	2	4	8	585	1	2	4	8	680	1	2	4	8	681	1	2	4	8	776	1	2	4	8	777	1	2	*	*
NO EOL RESISTOR	586	1	2	4	8	587	1	2	4	8	682	1	2	4	8	683	1	2	4	8	778	1	2	4	8	779	1	2	*	*
SENSOR WATCH	588	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	589	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	684	1	2	4	8	685	1	2	4	8	780	1	2	4	8	781	1	2	*	*
TROUBLE ON OPEN	590	1	2	4	8	591	1	2	4	8	686	1	2	4	8	687	1	2	4	8	782	1	2	4	8	783	1	2	*	*
TROUBLE ON SHORT	592	1	2	4	8	593	1	2	4	8	688	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	689	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	784	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	785	(1)(2)	4	*	*	
AREA #1	594	1	2	4	8	595	1	2	4	8	690	1	2	4	8	691	1	2	4	8	786	1	2	4	8	787	1	2	4	*
AREA #2	596	1	2	4	8	597	1	2	4	8	692	1	2	4	8	693	1	2	4	8	788	1	2	4	8	789	1	2	*	*
TROUBLE ON NITE OPEN	598	1	2	4	8	599	1	2	4	8	694	1	2	4	8	695	1	2	4	8	790	1	2	4	8	791	1	2	*	*
FIRE ON BURG ZONE	600	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	601	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	696	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	697	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	792	(1)(2)(4)(8)	(1)(2)(4)(8)	(1)(2)(4)(8)	793	(1)(2)(4)	*	*		
LUG E15 (NTO)	602	1	2	4	8	603	1	2	4	8	698	1	2	4	8	699	1	2	4	8	794	1	2	4	8	795	1	2	4	*
K/P SOUNDER ON ALARM	604	1	2	4	8	605	1	2	4	8	699	1	2	4	8	700	1	2	4	8	796	1	2	4	8	797	1	2	4	*

† NC (NO CLOSINGS) and TT (TEST TIMER) programmable only through Napco PCD2000 Quickloader software.

‡ Program only for partitioned systems.

* When programming FIRE ON BURG ZONE, also program that zone for:

- PRIORITY WITH BYPASS or PRIORITY
- 24-HOUR PROTECTION
- APPROPRIATE SIREN OUTPUT
- AREA 1 (and AREA 2 if, and only if, system is partitioned).

* DO NOT PROGRAM! Operation may be adversely affected.

KEYPAD PROGRAMMING RECORD SHEET FOR THE MAGNUM ALERT-1016e

NOTE: FACTORY-PROGRAMMED VALUES ARE SHOWN IN PARENTHESES.

		496 497	
(4)			
BACKUP REPORTING TELCO 1, 2	1	1	OPENING REPORT ONLY AFTER ALARM REPORT
TOUCHTONE DIALING ONLY	2	2	CLOSING REPORT ONLY ON FORCED ARM
TOUCHTONE WITH ROTARY BACKUP	(4)	4	INCLUDE SEL/GRP BYPASS IN FORCED-ARM/STATUS
(RESERVED)		8	STATUS REPORT (AUTO-BYPASS ZONES ON CLOSING)
		818 819	
FAIL TO COMMUNICATE ON LUG E15	1	1	DISABLE FUNCTION-6 DOWNLOAD
DISABLE AUTO-RESET ON DAY ZONE	2	2	DISABLE CALLBACK DOWNLOAD
INCLUDE HOLD-DOWN [9] TO RESET DAY ZONE	4	4	DISABLE ANSWERING-MACHINE DOWNLOAD
WATCH MODE WITH HOLD-DOWN [7]	8	8	ENABLE AUX PANIC ON F/P/A KEYPAD*
		820 821	
(2)			
AUTO BELL TEST ON ARMING	1	1	ENABLE KEYPAD TACTILE BEEP
AUTO-RESET AFTER BURG SIREN TIMEOUT	(2)	2	ARM ONLY WITH USER 13
FIRE ALARM VERIFICATION	4	4	USER 15 AS SERVICE
DISABLE FIRE POWER RESET	8	8	START EXIT DELAY AFTER RINGBACK
		822 823	
		(C)	
SPLIT SYSTEM	1	1	DISABLE BELL TEST
SOUNDER ON E4 (AREA 1)	2	2	DISABLE DISPLAY BYPASS WHILE ARMED
SILENCE FIRE ALARM FROM EITHER AREA	4	(4)	KEYPAD PANIC
ENABLE FIRE PANIC ON F/P/A KEYPAD*	8	(8)	KEYPAD TELCO TEST
		852 853	
DISPLAY OPEN ZONES	1	1	AUDIO VERIFICATION ON LUG E15 (NTO)
(RESERVED)			(RESERVED)
DISPLAY ANY BYPASS	4	4	NO POWER-FAILURE INDICATION
CHIME ON WITH GROUP BYPASS	8		(RESERVED)

*REQUIRES THAT ALL SYSTEM KEYPADS BE F/P/A-PANIC COMPATIBLE AND THAT KEYPAD JUMPER E BE CUT.

TIMEOUTS	x1	x16
VOLTAGE OUTPUT ON ALARM (MINUTES)	800	801
RELAY OUTPUT (MINUTES)	802	803
BURG SIREN (MINUTES) (F)	806	807
FIRE SIREN (MINUTES) (F)	808	809
LUG E16 (MINUTES) (F)	810	811

TIMEOUTS	x1	x16
ABORT DELAY (SECONDS)	812	813
CHIME (1/4 SECONDS) (8)	814	815
AC FAIL REPORT (MINUTES)	816	817
SENSOR WATCH (DISARMED HOURS)	824	825

TRANSMITTER ZONE MAP
(FOR WIRELESS SYSTEMS ONLY)

TX#	LOC	ZONE
1	836	
2	837	
3	838	
4	839	
5	840	
6	841	
7	842	
8	843	

TX#	LOC	ZONE
9	844	
10	845	
11	846	
12	847	
13	848	
14	849	
15	850	
16	851	

REFER TO R1000 RECEIVER INSTRUCTIONS W1604 FOR TRANSMITTER MAPPING AND LEARNING INSTRUCTIONS AND OTHER WIRELESS INSTALLATION INFORMATION.