

SYSTEM PROGRAMMING GUIDE

Software Versions 3.1 (728+, 738EX+ and 738+), 3.2 (728EX4+, 728DZ8+ and 748+) and 3.3 (728EX+)

INSTALLER CODE

Full access to programming, except user access codes (PINs). No access to arming/disarming. Use only numeric keys from [1] to [10] (key [10] = 0). For default installer codes, refer to Table 1 below.

Table 1: Default Installer Codes by Control Panel

728EX+ = 727272	728EX4+ = 727272	738EX+ = 737373	748+ = 484848
728+ = 282828	728DZ8+ = 282828	738+ = 383838	

KEYPAD TROUBLE DISPLAY

Press the [TBL]/[TRBL] key to view the trouble. Refer to Table 2 below.

Table 2: Trouble Display

[1] - No Battery or Low Voltage	[7] - Communicator Report Failure
[2] - Power Failure	[8] - Timer Loss*
[4] - Bell Output Disconnected	[9] - Tamper or Zone Wiring Failure
[5] - Maximum Bell Current	[10] - Telephone Line Monitoring Failure
[6] - Maximum Auxiliary Current	[11] - Fire Loop Trouble

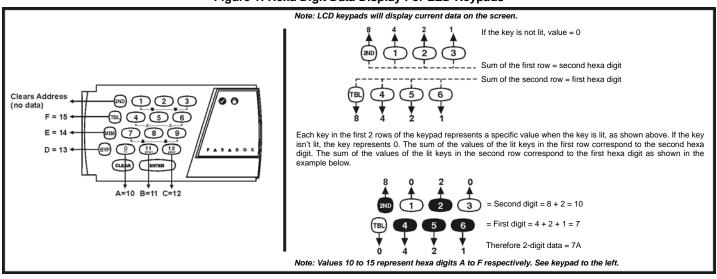
^{*} To clear the Timer Loss trouble, refer to Key Access Programming on page 12 (the [MEM] key). Press the [CLEAR] button to clear troubles.

HEXA PROGRAMMING

Addresses **000** to **043** and **300** to **527** are programmed using the Hexa Programming method. In this mode, you can enter any hexadecimal digit from 0 - F where keys **[1]** to **[9]** represent digits 1 to 9 respectively; the other keys represent hexadecimal digits A to F as shown in Figure 1 on page 1. To program using the Hexa Programming method:

- 1) Press [ENTER] + [INSTALLER CODE] (default: see Table 1 on page 1)
- 2) The [ENTER] key will flash indicating you are in programming mode
- 3) Enter the desired 3-digit [ADDRESS]
- 4) The keypad will display the 2-digit data currently saved at this address as described in Figure 1 on page 1
- 5) Enter 2-digit [DATA] and do not press [ENTER], the software automatically saves the data
- 6) Return to step 2 or press [CLEAR] to exit programming mode

Figure 1: Hexa Digit Data Display For LED Keypads



STREAMLINED SECTION PROGRAMMING

This is an alternate method to Hexa Programming. The addresses (000 - 043 and 300 - 527) programmed in the Hexa Programming method are grouped into 67 sections where each section contains four addresses (i.e. section 00 = addresses 000 - 003). Using this method allows you to program 8 digits (4 addresses) without having to exit and reenter addresses.



Note, the keypad will not display the current data in the Hexa Streamlined Programming method.

To program using the Hexa Streamlined Section method:

- 1) Press [ENTER] + [INSTALLER CODE] (default: see Table 1 on page 1) + [7]
- 2) The [ENTER] and [2ND] keys will flash to indicate you are in programming mode
- 3) Enter 2-digit [SECTION] (00 67)
- 4) The [ENTER] key will remain on while the [2ND] key will be off
- 5) Enter 8-digit [DATA] to program the section
- 6) The keypad will "beep" to indicate that the section has been programmed, data is saved and the software has advanced to the next section
- 7) Return to step 4 or press [CLEAR] to exit programming mode

ZONE RECOGNITION

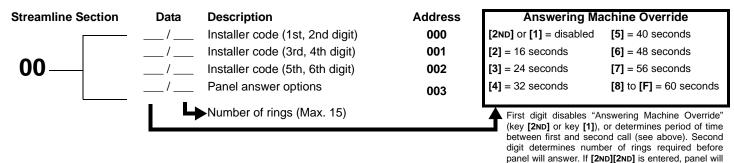
Device connected to which input?	728+ 728EX+ 728EX4+** 728DZ8+**	728+ 728DZ8+**	738EX+	738+	738+	748+	748+
	No ATZ	With ATZ	No ATZ	No ATZ	With ATZ	No ATZ	With ATZ
Control Panel							
Input 1 =	Zone 1	Zones 1 & 2	Zone 1	Zone 1	Zones 1 & 7	Zone 1	Zones 1 & 13*
Input 2 =	Zone 2	Zones 3 & 4	Zone 2	Zone 2	Zones 2 & 8	Zone 2	Zones 2 & 14*
Input 3 =	Zone 3	Zones 5 & 6	Zone 3	Zone 3	Zones 3 & 9	Zone 3	Zones 3 & 15
Input 4 =	Zone 4	Zones 7 & 8	Zone 4	Zone 4	Zones 4 & 10	Zone 4	Zones 4 & 16
Input 5 =	N/A	N/A	Zone 5	Zone 5	Zones 5 & 11	Zone 5	Zones 5 & 17
Input 6 =	N/A	N/A	Zone 6	Zone 6	Zones 6 & 12	Zone 6	Zones 6 & 18
Input 7 =	N/A	N/A	Zone 7	N/A	N/A	Zone 7	Zones 7 & 19
Input 8 =	N/A	N/A	N/A	N/A	N/A	Zone 8	Zones 8 & 20
Input 9 =	N/A	N/A	N/A	N/A	N/A	Zone 9	Zones 9 & 21
Input 10 =	N/A	N/A	N/A	N/A	N/A	Zone 10	Zones 10 & 22
Input 11 =	N/A	N/A	N/A	N/A	N/A	Zone 11	Zones 11 & 23
Input 12 =	N/A	N/A	N/A	N/A	N/A	Zone 12	Zones 12 & 24
Keypad	7 544	7 0**	7 0		7 40	7 40	7 40*
Zone 1 =	Zone 5**	Zone 9**	Zone 9	Zone 7	Zone 13	Zone 13	Zone 13*
Zone 2 =	Zone 6**	Zone 10**	Zone 8	Zone 8	Zone 14	Zone 14	Zone 14*

^{*} Control panel does not distinguish between zones 13 and 14 and keypad zones 1 (zone 13) and 2 (zone 14).

WARNING: This equipment must be installed and maintained by qualified service personnel only.

^{**} The 728EX4+ and 728DZ8+ control panels do not support any keypad zones.

INSTALLER / PANEL ANSWER OPTIONS





TELEPHONE AND ACCOUNT NUMBERS

If only one central station phone number is used, program the same number for telephone number 1 and 2. If only one account number is required, the same number must be entered for both account "A" and "B".

[10] = the number "0" [BYP] = switch from pulse to tone while dialing

[11] = * [MEM] = pause 4 seconds [12] = # [TRBL] = end of number

Computer Telephone Number (View at addresses 008 to 015)

Streamline Section Streamline Section

 03

__/__/__/__/__/___ 9 10 11 12 13 14 15 16 Press the [TRBL] key to end phone number if less than 16 digits are programmed.

not answer (default value is [2ND] [8]).

Central Station Telephone Number 1 (View at addresses 016 to 023)

Streamline Section Streamline Section

 05

9 10 11 12 13 14 15 16

Press the [TRBL] key to end phone number if less than 16 digits are programmed.

Central Station Telephone Number 2 (View at addresses 024 to 031)

Streamline Section Streamline Section

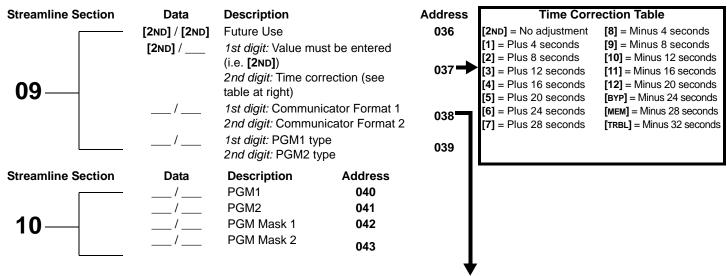
 07

__/__/__/__/__/__/___ 9 10 11 12 13 14 15 16 Press the [TRBL] key to end phone number if less than 16 digits are programmed.

Account "A" and "B" (View at addresses 032 to 035)

Streamline Section

For 3 digit account numbers, enter "skip" ([2ND]) as first digit.



Communicator Formats								
Key		Key	* = 4-digit account codes only					
[2ND]	= ADEMCO slow (1400Hz, 1900Hz, 10bps)	[6]	= RADIONICS with PARITY (1400Hz, 40bps)					
[1]	= (1400Hz, 1800Hz, 10bps)	[7]	= RADIONICS with PARITY (2300Hz, 40bps)					
[2]	= SILENT KNIGHT fast (1400Hz, 1900Hz, 20bps)	[8]	= * ADEMCO express					
[3]	= SESCOA (2300Hz, 1800Hz, 20bps)	[9]	= * ADEMCO contact ID (programmable codes)					
[4]	= RADIONICS (40bps with 1400Hz handshake)	[10]	= * ADEMCO contact ID (all codes)					
[5]	= RADIONICS (40bps with 2300Hz handshake)	[TRBL]	= * DTMF - no handshake (personal dialing)					

- 1		New earthur or Orante	Daniel Malain	OID	Daniello o Oada	D
l	values programm	med. Values to be programmed should	be selected from this table.			
	All addresses fro	om 300 to 527 (sections 11 to 67) progr	ammed with values other that	ın [2ND] [2 1	ND] will report the contact ID codes corre	sponding to the

Programmable Contact ID Event Codes

	ammed. values to be programmed			Donastina Codo	Drew Value
CID	Reporting Code	Prog. Value	CID	Reporting Code	Prog. Value
100:	AUXILIARY ALARM	[2ND] / [1]	300:	SYSTEM TROUBLE	[2] / [2]
110:	FIRE ALARM	[2ND] / [2]	301:	AC Loss	[2] / [3]
111:	FIRE SMOKE	[2ND] / [3]	302:	LOW SYSTEM BATTERY	[2] / [4]
112:	COMBUSTION	[2ND] / [4]	305:	SYSTEM RESET	[2] / [5]
113:	WATER FLOW	[2ND] / [5]	306:	PROGRAM CHANGED	[2] / [6]
114:	HEAT	[2ND] / [6]	309:	BATTERY TEST FAIL	[2] / [7]
115:	PULLSTATION	[2ND] / [7]	320:	SOUNDER/RELAY TROUBLE	[2] / [8]
116:	Duct	[2ND] / [8]	321:	BELL 1 TROUBLE	[2] / [9]
117:	FLAME	[2ND] / [9]	323:	ALARM RELAY TROUBLE	[2] / [10]
118:	NEAR ALARM	[2ND] / [10]	350:	COMMUNICATION TROUBLE	[2] / [11]
120:	PANIC ALARM	[2ND] / [11]	351:	Telco 1 Fault	[2] / [12]
121:	Duress	[2ND] / [12]	354:	FAIL TO COMMUNICATE	[2] / [BYP]
122:	SILENT PANIC	[2ND] / [BYP]	370:	PROTECTION LOOP TROUBLE	[2] / [MEM]
123:	AUDIBLE PANIC	[2ND] / [MEM]	371:	PROTECTION LOOP OPEN	[2] / [TRBL]
130:	BURGLARY	[2ND] / [TRBL]	372:	PROTECTION LOOP SHORT	[3] / [2ND]
131:	PERIMETER BURGLARY	[1] / [2ND]	373:	FIRE LOOP TROUBLE	[3] / [1]
132:	INTERIOR BURGLARY	[1] / [1]	382:	SENSOR TROUBLE	[3] / [2]
133:	24Hr Burglary	[1] / [2]	383:	SENSOR TAMPER	[3] / [3]
136:	BURGLARY OUTDOOR	[1] / [3]	400:	OPEN / CLOSE	[3] / [4]
137:	BURGLARY TAMPER	[1] / [4]	401:	OPEN / CLOSE BY USER #	[3] / [5]
138:	BURGLARY NEAR ALARM	[1] / [5]	402:	GROUP OPEN / CLOSE	[3] / [6]
140:	GENERAL ALARM	[1] / [6]	403:	AUTOMATIC OPENING / CLOSING	[3] / [7]
150:	24 HOUR AUXILIARY	[1] / [7]	404:	LATE TO OPEN / CLOSE	[3] / [8]
151:	GAS DETECTED	[1] / [8]	407:	REMOTE ARM DOWNLOAD	[3] / [9]
152:	REFRIGERATION	[1] / [9]	410:	REMOTE ACCESS	[3] / [10]
153:	LOSS OF HEAT	[1] / [10]	441:	OPEN / CLOSE - STAY MODE	[3] / [11]
154:	WATER LEAKAGE	[1] / [11]	570:	Bypass	[3] / [12]
155:	FOIL BREAK ALARM	[1] / [12]	572:	24 HOUR ZONE BYPASS	[3] / [BYP]
156:	DAY TROUBLE ALARM	[1] / [BYP]	573:	BURGLARY BYPASS #	[3] / [MEM]
157:	Low Gas Level	[1] / [MEM]	574:	GROUP BYPASS	[3] / [TRBL]
158:	HIGH TEMPERATURE	[1] / [TRBL]	601:	Manual Test	[4] / [2ND]
159:	LOW TEMPERATURE	[2] / [2ND]	602:	PERIODIC TEST	[4] / [1]
161:	Loss Air Flow	[2] / [1]	625:	TIME / DATE RESET	[4] / [2]

Esprit+ - 4 - Programming Guide

REPORTING CODES

All digits from [1] to [F] are valid. [2ND] = digit will not be reported except for Contact ID programmable codes. For single digit reporting, enter "skip" ([2ND]) as the first digit (default = [2ND] / [2ND]).



If the Contact ID Format (all codes) is selected, addresses 300 to 527 (sections 11 to 67) do not have to be programmed (select Contact ID (all codes) - key [10] for both central station numbers at section 09 - address 038 on page 4).

ARMING (CLC	SING) REPO	ORT CODES:		Otros dell'			
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
	/	Auto / Espload	300	_	/	User Code 23	324
44	/	Master	301	47	/	User Code 24	325
11–	/	User Code 1	302	17 –	/	User Code 25	326
	/	User Code 2	303	<u>L</u>	/	User Code 26	327
	/	User Code 3	304	_	/	User Code 27	328
12	/	User Code 4	305	10	/	User Code 28	329
12 –	/	User Code 5	306	18 –	/	User Code 29	330
	/	User Code 6	307		/	User Code 30	331
	/	User Code 7	308		/	User Code 31	332
12	/	User Code 8	309	10	/	User Code 32	333
13 –	/	User Code 9	310	19 –	/	User Code 33	334
	/	User Code 10	311	<u>L</u>	/	User Code 34	335
	/	User Code 11	312		/	User Code 35	336
14_	/	User Code 12	313	20 –	/	User Code 36	337
14-	/	User Code 13	314	20 —	/	User Code 37	338
	/	User Code 14	315		/	User Code 38	339
	/	User Code 15	316		/	User Code 39	340
15 –	/	User Code 16	317	21 –	/	User Code 40	341
13	/	User Code 17	318	Z I —	/	User Code 41	342
	/	User Code 18	319		/	User Code 42	343
	/	User Code 19	320		/	User Code 43	344
46	/	User Code 20	321	22	/	User Code 44	345
16 —	/	User Code 21	322	22 –	/	User Code 45	346
	/	User Code 22	323		/	User Code 46	347
				_	/	User Code 47	348
				22	/	User Code 48 /	349
				23 –		(Duress)	
				· 	Continues	on next page.	

DISARMING (OPENING) REPORT CODES (reset code "empty") Streamline Data Description **Address** Section See previous page Auto / Espload 350 Master 351 User Code 1 352 User Code 25 User Code 2 353 User Code 26 User Code 3 354 User Code 27 User Code 28 User Code 4 355 User Code 5 356 User Code 29 User Code 6 357 User Code 7 358 User Code 8 359 User Code 9 360 User Code 10

26 —	User Code 10 User Code 11 User Code 12	361 362 363
27 —	User Code 13 User Code 14 User Code 15 User Code 16	364 365 366 367
28 ————————————————————————————————————	User Code 17 User Code 18 User Code 19 User Code 20	368 369 370 371
29 ————————————————————————————————————	User Code 21 User Code 22 User Code 23 User Code 24	372 373 374 375

31 –′	User Code 30 User Code 31 User Code 32	381 382 383
32 —	User Code 33 User Code 34 User Code 35 User Code 36	384 385 386 387
33	User Code 37 User Code 38 User Code 39 User Code 40	388 389 390 391
34	User Code 41 User Code 42 User Code 43 User Code 44	392 393 394 395
35 —	User Code 45 User Code 46 User Code 47 User Code 48 / (Duress)	396 397 398 399

376

377

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380

ALARM REPORT CODES FOR ZONES 1 TO 24 (see warning below):

Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
_	/	Zone 1	400		/	Zone 13	412
20	/	Zone 2	401	20	/	Zone 14	413
36 –	/	Zone 3 (fire add. 100)	402	39 –	/	Zone 15	414
	/	Zone 4	403		/	Zone 16	415
	/	Zone 5	404		/	Zone 17	416
27	/	Zone 6	405	40	/	Zone 18	417
31 —	/	Zone 7	406	40 —	/	Zone 19	418
	/	Zone 8	407		/	Zone 20	419
	/	Zone 9	408		/	Zone 21	420
20	/	Zone 10	409	44	/	Zone 22	421
38 –	/	Zone 11	410	41 —	/	Zone 23	422
	/	Zone 12	411		/	Zone 24	423



For zone recognition, refer to "Zone Recognition" on page 2.

ALARM REST	ORE REPOR	T CODES FOR ZONE	S 1 TO 24 (see	warning below):			
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
_	/	Zone 1	424		/	Zone 13	436
40	/	Zone 2	425	AE	/	Zone 14	437
42 —	/	Zone 3 (fire add. 100)	426	45 –	/	Zone 15	438
	/	Zone 4	427		/	Zone 16	439
_	/	Zone 5	428		/	Zone 17	440
42	/	Zone 6	429	46	/	Zone 18	441
43 —	/	Zone 7	430	46 –	/	Zone 19	442
	/	Zone 8	431		/	Zone 20	443
_	/	Zone 9	432	_	/	Zone 21	444
4.4	/	Zone 10	433	47	/	Zone 22	445
44—	/	Zone 11	434	4/	/	Zone 23	446
	/	Zone 12	435		/	Zone 24	447



For zone recognition, refer to "Zone Recognition" on page 2.

ZONES 1 TO 24 SHUTDOWN REPORT CODES (see warning below):

Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
	/	Zone 1	448		/	Zone 13	460
40	/	Zone 2	449	E4	/	Zone 14	461
48—	/	Zone 3 (fire add. 100)	450	51 –	/	Zone 15	462
	/	Zone 4	451		/	Zone 16	463
	/	Zone 5	452		/	Zone 17	464
40	/	Zone 6	453	5 0	/	Zone 18	465
49 —	/	Zone 7	454	52 –	/	Zone 19	466
	/	Zone 8	455		/	Zone 20	467
	/	Zone 9	456		/	Zone 21	468
FO	/	Zone 10	457	5 2	/	Zone 22	469
50 —	/	Zone 11	458	53 –	/	Zone 23	470
	/	Zone 12	459		/	Zone 24	471



For zone recognition, refer to "Zone Recognition" on page 2.

TAMPERS 1 TO 12 REPORT CODES (see warning below):

IAWPERS	I IO IZ KEPOK	I CODES (See wan	ning below):				
Streamline Section	e Data	Description	Address	Streamline Section	Data	Description	Address
	/	Tamper 1	472		/	Tamper 9	480
E 4	/	Tamper 2	473	FC	/	Tamper 10	481
54 —	/	Tamper 3	474	56 —	/	Tamper 11	482
	/	Tamper 4	475		/	Tamper 12	483
				Addresses 484 -	- 495 are res	erved for future use	
	/	Tamper 5	476				
EE	/	Tamper 6	477				
55 —	/	Tamper 7	478				
	/	Tamper 8	479				



For zone recognition, refer to "Zone Recognition" on page 2.

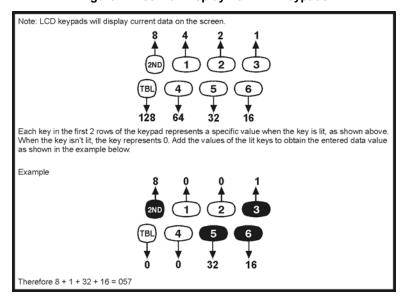
TROUBLE RE	PORT CODE	S:					
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
	/	Max. aux. current	496		/	Fire loop trouble	500
	/	Bell disconnect / max. bell current	497		/	Timer loss	501
60 —	/	Battery disconnect / low voltage	498	61	[2ND]/[2ND]	Future Use	502
	/	Power failure	499		[2ND]/[2ND]	Future Use	503
TROUBLE RE	STORE REP	ORT CODES:					
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
	/	Max. aux. current	504		/	Fire loop trouble	508
	/	Bell disconnect / max. bell current	505		/	Timer programmed	509
62	/	Battery disconnect / low voltage	506	63 –	/	Tamper / wiring fault	510
	/	Power failure	507		/	TLM restore	511
SPECIAL REP	ORT CODES	S:					
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
	/	Test report	512		/	Duress	520
C 4	/	Panic 1	513	00	[2ND]/[2ND]	Future Use	521
64 –	/	Panic 2	514	66 —	[2ND]/[2ND]	Future Use	522
	/	Panic 3	515		[2ND]/[2ND]	Future Use	523
Streamline Section	Data	Description	Address				
_	/	Late to close	516		/	Login (Espload)	524
0.5	/	No movement	517	07	/	Program Change	525
65 –	/	Partial Arming	518	67 –	[2ND]/[2ND]	Future Use	526
	/	Recent Close	519		[2ND]/[2ND]	Future Use	527

DECIMAL PROGRAMMING

- 1) Press [ENTER] + [INSTALLER CODE] (default: see Table 1 on page 1)
- 2) The [ENTER] key will flash to indicate you are in programming mode
- 3) Enter 3-digit [ADDRESS] (044 061)
- 4) The keypad will now display the current 3-digit data currently saved at this address as described in Figure 2 on page 9.
- 5) Enter 3-digit [DATA] (000 255) value and do not press [ENTER], the software will automatically save the data
- 6) Return to step 2 or press [CLEAR] to exit programming mode

Address	Data	Description	Default
044	//	(hours) Auto arm time (between "000" and "023")	
045	//	(minutes) Auto arm time (between "000" and "059")	
046	//	_ (days) Auto test report every ? days (between "001" and "255") (000 = disabled)	
047	//	(hours) Auto test report (between "000" and "023")	
048	//	(minutes) Auto test report (between "000" and "059")	
049	//	_ (seconds) Exit delay	60 seconds
050	//	_ (seconds) Entry delay 1	45 seconds
051	//	_ (seconds) Entry delay 2	45 seconds
052	//	_ (minutes) Bell cut-off time	5 minutes
053	//	_ (x 15 mSec.) Zone speed	600 mSec.
054	//	_ (minutes) Power failure report delay (000 = disabled)	30 minutes
055	//	_ (x 15 minutes) "No movement" report time (000 = disabled)	Disabled
056	//	PGM timer setting (001 to 127 for seconds and 129 to 255 for minutes) Add 128 to desired value in minutes (i.e. for 5 minutes: enter 5 + 128 = 133)	5 seconds
057	//	Intellizone delay (in seconds, minimum = 10 seconds)	48 seconds
058	//	Installer code lock (147 = locked, 000 = unlocked). Esprit 728EX+ only: The BATT LED will flash and the dialer relay will open and close, thus making a clicking noise, for 4 seconds during power up when Installer Lock is enabled on the control panel.	
059	//	(seconds) Programmable delay before alarm transmission (005 to 063 seconds) (000 = disabled)	
060	//	_ (seconds) Recent closing delay (000 = disabled)	
061	//	_ Future Use	

Figure 2: Decimal Display For LED Keypads



FEATURE SELECT PROGRAMMING

Addresses **062** to **126** are programmed using the Feature Select Programming method. In this method, every key on the keypad in each address represents an option or feature. Pressing a key will display it on the keypad and pressing it again will extinguish the key. The ON or OFF status of each key determines the selected feature. Addresses **080** to **085** are reserved for future use. To program using the Feature Select Programming method:

- 1) Press [ENTER] + [INSTALLER CODE] (default: see Table 1 on page 1)
- 2) The [ENTER] key will flash to indicate you are in programming mode
- 3) Enter 3-digit [ADDRESS] (062 126)
- 4) After entering the address, the keypad will display the feature selection status. Turn the keys ON or OFF by pressing the appropriate key until the desired options are set. Press the [ENTER] key to accept, there will be a confirmation "beep" indicating the options have been accepted. The [ENTER] key will flash to indicate that the software is awaiting the next address entry.
- 5) Return to step 3 to continue programming or press [CLEAR] to exit programming mode

Table 3: Code Priority For System "A" / STAY

	KEY SELECT:	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[BYP]	[MEM]	[TRBL]	[2ND]
	User #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
062:																	
	User #:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
064:																	
	User #:	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
066:																	

Table 4: Code Priority For System "B" / AWAY

	KEY SELECT:	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[BYP]	[MEM]	[TRBL]	[2ND]
	User #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
068:																	
	User #:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
070:																	
	User #:	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
072:																	

Table 5: Code Priority for Codes with Bypass Access

	KEY SELECT:	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[BYP]	[MEM]	[TRBL]	[2ND]
	User #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
074:																	
	User #:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
076:																	
	User #:	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
078:																	

		KEY			Telephone Line Monitoring (TLM)
086:	OFF	1	ON		KEY
		[2ND]			[2ND] [1]
See "TLM" table at right		[1]			OFF OFF - TLM disabled
Keyswitch = regular arm				」 Stay arm / System A	OFF ON - TLM generates trouble only
,		[2]			ON OFF - generates an alarm if armed ON ON - silent alarm becomes audible
Keyswitch arming		[3]		Enabled	'
Call back		[4]		Enabled	(address 086 , key [9] has to be OFF)
Auto arm on time		[5]		Enabled	
Auto arm on no movement		[6]		Enabled	Reporting Options
Pulse dialing		[7]		Tone dialing (DTMF)	KEY
Partitioning		[8]		Enabled	[11] [12]
Silent zone/panic generates a silent alarm		[9]		generates only a report	OFF OFF - Reporting disabled
(1:2) Pulse Europe		[10]		(1:1.5) Pulse USA	OFF ON - Regular reporting
(1.2) 1 4100 Editopo				7	ON OFF - Split* reporting (Alarms & System)
See "Reporting Options" table at right		[11]		\longrightarrow	ON ON - Double reporting
and the property of the state o		[12]			Report Dialing Sequence (tel. no.)
N/A		[BYP]		N/A	Regular: 1,2,1,2,1,2,1,2, fail to comm.
Bell squawk on arm/disarm		[MEM]		Enabled	Split*: Alarms - 1,1,1,1,1,1,1,1, fail to comm System - 2,2,2,2,2,2,2, fail to comm
Auto zone shutdown		•		Enabled	Double: 1,1,1,1,1,1,1, fail to comm
Auto zone snutdown		[TRBL]		Lilabieu	2,2,2,2,2,2,2, fail to comm
					* On alarm, all reports are made to Tel. #1 until system is
		KEY			disarmed. Once disarmed, system reports are made to Tel. #2.
088:	OFF	1	ON		161. #2.
Automatic event buffer transmission		[2ND]		Enabled	
Panic 1 (keys [1] and [3])		[1]		Enabled	
Panic 2 (keys [4] and [6])		[2]		Enabled	Tamper / Wire Fault Definitions
Panic 3 (keys [7] and [9])		[3]		Enabled	KEY
Panic 1 silent		[4]		Audible	System Armed [10] [11] System Disarmed*
Panic 2 silent		[5]		Audible	Alarm as per OFF OFF - Tamper supervision
Panic 3 silent		[6]		Fire	individual zone disabled
				Enabled	definitions OFF ON - No alarm, trouble
Key [10] - regular arming		[7]			Always generate code reported
Key [11] - stay or system A arm		[8]		Enabled	trouble and ON OFF - Silent alarm.
6 digit access codes		[9]		4 digit access code	alarm, audible or Trouble & alarm silent as per codes reported
Tana an Bassan Was		[10]			individual zone ON ON - Audible alarm.
Tamper Recognition		[11]			definitions Trouble & alarm
Beep on exit delay		[12]		_l Enabled	codes reported**
·					* Exception: for 24 hour zones, the tamper definition
Report zone restore on bell cut-off		[BYP]		On zone closure	will follow the audible/silent alarm definition of the 24 hour zone.
Zones with EOL (1kΩ)		[MEM]		No EOL	** Silent zones will generate a silent alarm.
Always report disarm		[TRBL]		Only after alarm	
				•	
		KEY			
090:	OFF	1	ON		
Exclude power failure from trouble display		[2ND]		Enabled	
Zone (4, 9 or 15) enabled***		[1]		Disabled***	*** NOTE 1: This feature applies to the 728+, 728DZ8+, 738+
Auto arm = regular arm		[2]		Stay / System A	and 748+ only. When ATZ is enabled (address 090 key [8]
N/A		[3]		N/A	ON) and zone 3 is defined as a fire zone, this zone must be disabled. If using a 728+ or 728DZ8+, zone 4 will be
N/A				N/A	disabled. If using a 738+, zone 9 will be disabled. If using a
		[4]			748+, zone 15 will be disabled.
N/A		[5]		N/A	
No tamper bypass		[6]		Tamper follows zone byp	pass definition
N/A		[7]		N/A	
Zone doubling (ATZ)****		[8]		Enabled****	**** NOTE 2: This feature applies to the 728+, 728DZ8+,
Audible trouble warning		[9]		Enabled	738+ and 748+ only.
Duress		[10]		Enabled	
Keypad zone 1 supervision		[11]		Enabled	
Keypad zone 2 supervision		[12]		Enabled	
N/A				N/A	
		[BYP]			
N/A		[MEM]		N/A	
N/A		[TRBL]		N/A	

Table 6: Zone Definition

KEY SE	LECT:	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]
		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24
Intellizone = ON	092:													094:												
		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24
Silent = ON	096:													098:												
		1	2	3*	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24
24Hr. / Fire = ON	100:													102:												
Keypad zones cannot be set as 24Hr. zones. *When zone 3 is defined "24Hr.", it becomes a fire zone																										
A									Ĺ																	
		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24
Instant = ON	104:													106:												
		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24
Follow = ON	108:													110:												
		1	2	3*	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24
Delay 2 = ON	112:													114:												
						SYS	STEN	1 A /	STA	Y									SYS	STEN	1 A /	STA	Y			
If ON, zone is armed on		1	2	3*	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24
Stay or "System A" arming	116:													118:												
							SYS	TEM	В											SYS	TEM	В				
If ON, zone is armed in		1	2	3*	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24
"System B" arming	120:													122:												
		1	2	3*	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24
Bypass enable = ON	124:													126:												



Note: Do not use the Intellizone feature and an entry delay for the same zone, otherwise an alarm may occur as a user tries to disarm the system.

Zones that are not selected at addresses 100 to 114 become "Delay 1" zones.

KEY ACCESS PROGRAMMING

Programs features quickly, without entering addresses or sections numbers. To activate Key Access Programming, press [ENTER] followed by the the installer code, master code or user code 1 (code required depends on the desired feature; see below). Press the key corresponding to the desired feature. Press [ENTER] or [CLEAR] to exit. When communicating with Espload, it is impossible to enter programming mode.

Key	Feature	Codes that can access feature
[8]	Installer Test Mode In Installer Test mode, a confirmation beep (intermittent) indicates that the test mode is enabled. A rejection beep indicates that the test mode is disabled. The bell will squawk during walk testing to indicate opened, functional zones.	Installer Code Only
[9]	"Auto Arming" Time Program Key [9] flashes. Enter 2-digit hour (00 to 23) and 2-digit minutes (00 to 59).	Installer Code, Master Code or User Code 1
[мем]	Panel Time Programming [MEM] key flashes. Enter 2-digit hour (00 to 23) and 2-digit minutes (00 to 59).	Installer Code, Master Code or User Code 1
[BYP]	Test Report Reporting is enabled at address 086 , keys [11] and [12] (see page 11). A value must be entered at address 512 (page 8) and both telephone and account numbers must be programmed.	Installer Code, Master Code or User Code 1
[TRBL]	Call Espload Via Telephone Panel identifier and PC password (addresses 004 to 007 on page 3) and computer telephone number (addresses 008 to 015 on page 3) must be programmed.	Installer Code, Master Code or User Code 1
[AWAY]	Answer Espload This feature is available when using the ADP-1 adapter. In Espload, "blind dial" must be activated in "modem setup" section and panel phone number programmed (works also with ADP-1).	Installer Code, Master Code or User Code 1
[STAY]	Cancel Communication Attempts Until next reportable event.	Master Code/User Code 1 only cancel calls to Espload The Installer Code can cancel all communications

CONNECTION DIAGRAMS

The system hardware will recognize the following zone conditions:

SINGLE ZONE CONNECTIONS

Figure 3: N.C. Contacts, without EOL Resistor

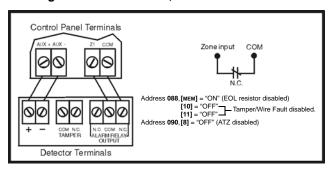


Figure 5: N.O. Contacts, with EOL Resistor (UL/ULC)

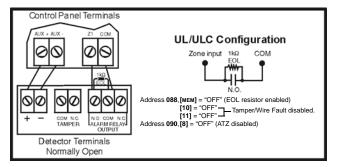


Figure 7: N.C. Contacts, with EOL resistor, with Tamper and Wire Fault Recognition (UL/ULC)

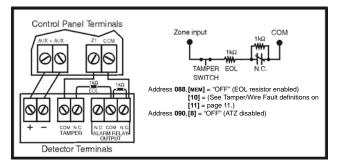


Figure 4: N.C. Contacts, with EOL Resistor (UL/ULC)

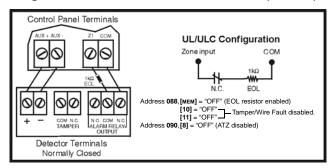


Figure 6: N.C. Contacts, without EOL Resistor, with Tamper Recognition

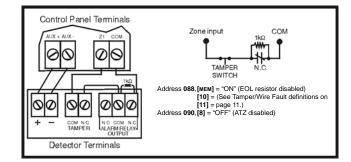


Figure 8: N.C. Contacts, without EOL Resistor

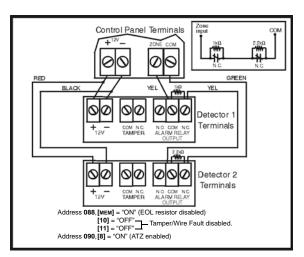


Figure 10: N.O. Contacts, with EOL Resistor, with Tamper and Wire Fault Recognition (UL/ULC)

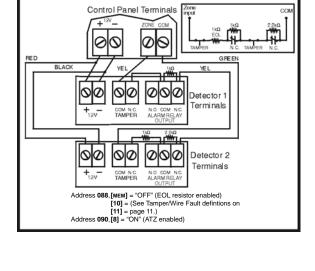
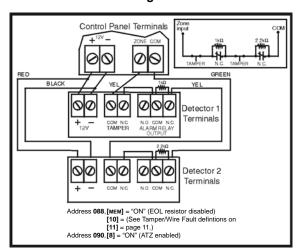


Figure 9: N.C. Contacts, without EOL Resistor, with Tamper Recognition



OTHER CONNECTION DIAGRAMS

Figure 11: Connecting One Keypad Zone

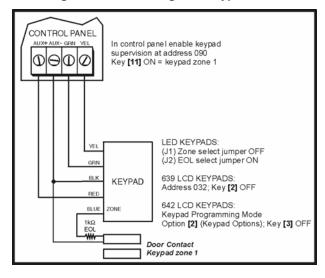


Figure 12: Connecting Two Keypad Zones (639 only)

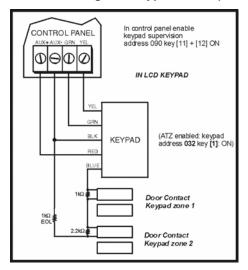


Figure 13: Connecting Two Keypad Zones Using Two Keypads

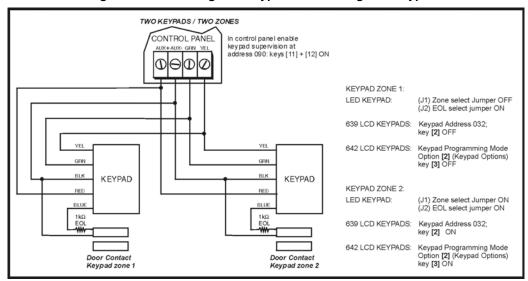


Figure 14: Keypad Tamper Switch Connection

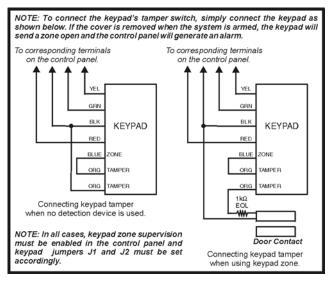


Figure 15: PGM Output Relay

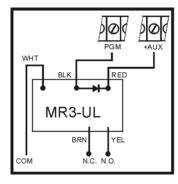


Figure 16: Ground Start Circuit

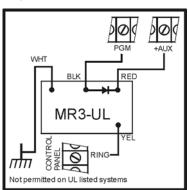


Figure 17: Fire Alarm Zone Connections

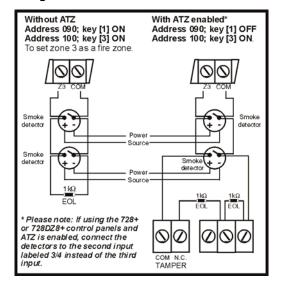
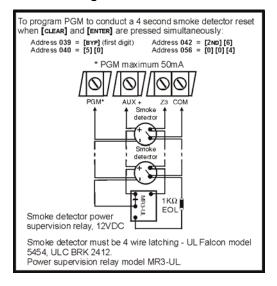
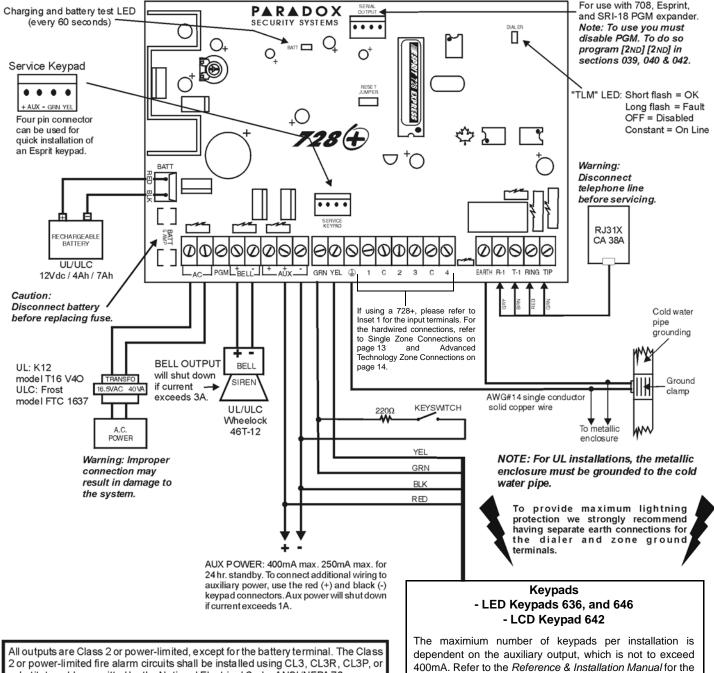


Figure 18: Fire Reset





ESPRIT 728+ / 728EX+ / 728EX4+ / 728DZ8+ WIRING DIAGRAM



2 or power-limited fire alarm circuits shall be installed using CL3, CL3R, CL3P, or substitute cable permitted by the National Electrical Code, ANSI/NFPA70.

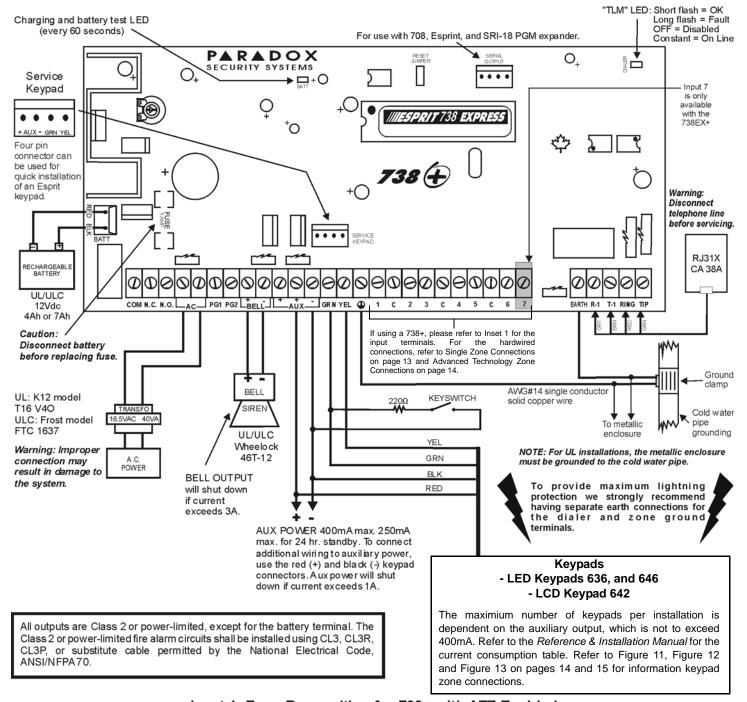
Inset 1: Zone Recognition for 728+ / 728DZ8+ with ATZ Enabled Control Panel Terminals Control Panel Terminals 5/6 С 7/8 Zone 5 Zone 1 Zone 3 Zone 7 (1k) (1k) (1k) (1k) Zone 2 Zone 4 Zone 6 Zone 8 (2.2k)(2.2k) (2.2k)(2.2k)

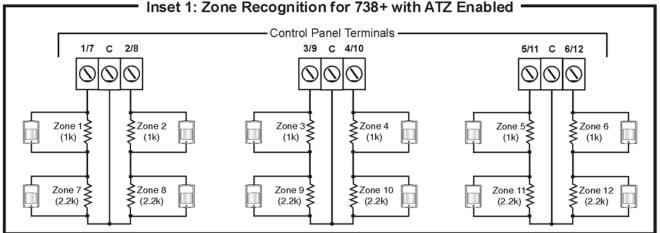
* NOTE: The 728EX4+ and 728DZ8+ control panels do not support keypad zones.

current consumption table. Refer to Figure 11, Figure 12 and Figure 13 on pages 14 and 15 for information keypad

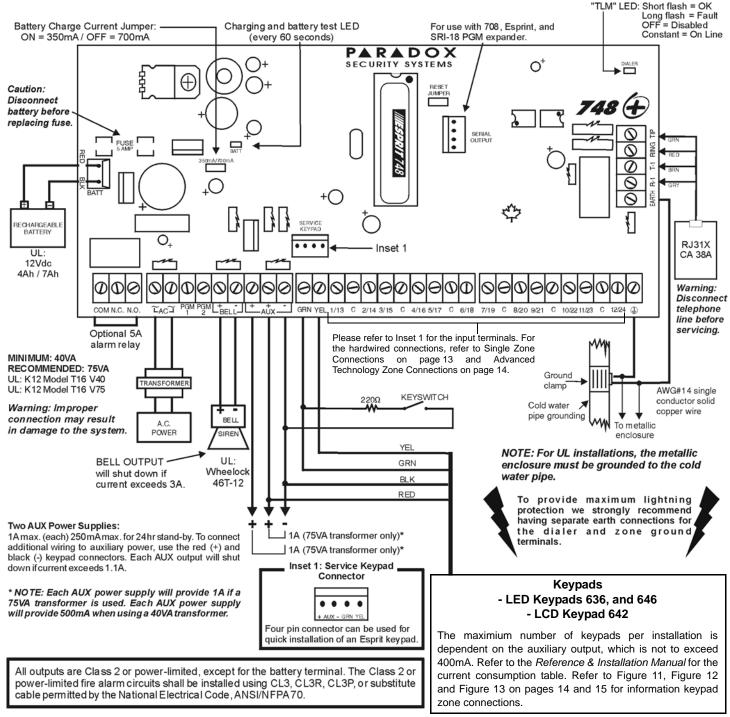
zone connections*.

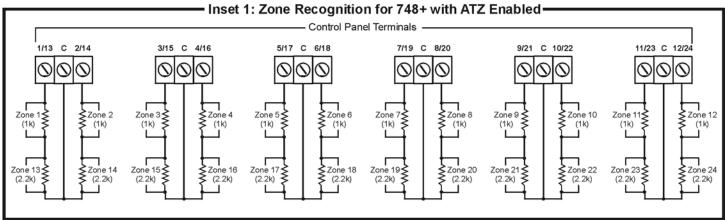
ESPRIT 738+ / 738EX+ WIRING DIAGRAM



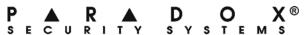


Esprit+ - 17 - Programming Guide





NOTES	



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