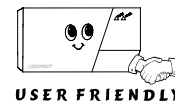


ESPRESSO 728 EXPRESS PROGRAMMING GUIDE



SOFTWARE VERSION 3.10

CONTROL PANEL RESET:

Installer lock must be unlocked.

(Address **058**: enter any value other than 147)

Power down reset

- (1) Remove battery and AC to power down the unit.
- (2) Connect a jumper between "reset jumper" pins.
- (3) Connect AC then the battery.
- (4) Wait 10 seconds.
- (5) Remove jumper.

KEYPAD TROUBLE DISPLAY

Key "ON" =

- | | |
|----------------------------|-----------------------------------|
| [1] No battery/low voltage | [7] Communicator report failure |
| [2] Power failure | [8] Timer loss* |
| [4] Bell disconnect | [9] Tamper or zone wiring failure |
| [5] Maximum bell current | [10] Telephone line failure |
| [6] Max auxiliary current | [11] Fire loop trouble |

* To clear timer loss trouble, see Key Access Programming [MEM].
Press [CLEAR] to clear troubles.

Factory default installer and master codes will be reinstated. Values entered at addresses **008-043**, **062-126** and **300-527** as well as all user codes, will be erased ([2ND] [2ND]). Programmed values of all other addresses do not change.

HEXA PROGRAMMING:

All digits from 0 to F are valid. Values are programmed into memory locations from address **000** to **043** and from address **300** to **527**.

- 1) Press [ENTER] + installer code.
 - 2) [ENTER] will flash (programming mode).
 - 3) Enter 3 digit memory address.
 - 4) Current value will be displayed on keypad.
 - 5) Enter 2 digit data.
 - 6) Go to step 3 for next address.
- To exit programming mode, press [CLEAR].

Dialer circuit is patent pending.

HEXA DISPLAY

If key is lit = 8 = 4 = 2 = 1



If key is lit = 8 = 4 = 2 = 1

No display = SKIP (empty)

10 = [0] = [A]

Value of
2ND digit = 10
(8 + 2 = 10)

Value of
1ST digit = 3
(2 + 1 = 3)
VALUE = "3A"

No light = 0

STREAMLINED SECTION PROGRAMMING

Can be used to program sections **00** to **67**. (addresses **000** to **043** and **300** to **527**)

Press [ENTER], installer code, and [7]. ([2ND] and [ENTER] keys alternately flash.)

Enter a 2-digit section number, followed by 8 digits to program that section (confirmation beep). Data will be saved automatically and the software advances to the next programming section. To exit programming mode press [CLEAR].

INSTALLER CODE: (reset code **727272**)

(addresses **000**, **001**, **002**)

SECTION 00

Full access to programming, except access codes. (addresses **127-299**) No access to arming/disarming. Can be used to modify installer code. Use only numeric keys from [1] to [10]. (key [10] = 0)

PANEL ANSWER OPTIONS:

(address **003**)

SECTION 00

First digit disables "Answering Machine Override" (key [2ND] or key [1]), or determines period of time between first and second call (see table below). Second digit determines number of rings required before panel will answer. If [2ND][2ND] is entered, panel will not answer. (Default value is [2ND] [8].)

Streamline section	Data	Description	Address
00	___/___	Installer code (1st, 2nd digit)	000
	___/___	Installer code (3rd, 4th digit)	001
	___/___	Installer code (5th, 6th digit)	002
	___/___	Panel answer options	003
		Number of rings (Max. 15)	

ANSWERING MACHINE OVERRIDE

- | | |
|-------------------------|-------------------------|
| [2ND] or [1] = disabled | [5] = 40 seconds |
| [2] = 16 seconds | [6] = 48 seconds |
| [3] = 24 seconds | [7] = 56 seconds |
| [4] = 32 seconds | [8] to [F] = 60 seconds |

Streamline section	Data	Description	Address
01	___/___	Panel identifier (1st, 2nd digit)	004
	___/___	Panel identifier (3rd, 4th digit)	005
	___/___	Pc password (1st, 2nd digit)	006
	___/___	Pc password (3rd, 4th digit)	007
			{ Identifies the control panel to the PC. { Identifies the PC to the panel.

TELEPHONE AND ACCOUNT NUMBERS: (reset *empty*)

If only one central station phone number is used, program the same number for telephone number 1 and 2.

[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

02 ___/___/___/___/___/___/___/___
 1 2 3 4 5 6 7 8

Streamline section

03 ___/___/___/___/___/___/___/___
 9 10 11 12 13 14 15 16

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

CENTRAL STATION TELEPHONE NUMBER 1: (View at addresses **016** to **023**.)

Streamline section

04 ___/___/___/___/___/___/___/___
 1 2 3 4 5 6 7 8

Streamline section

05 ___/___/___/___/___/___/___/___
 9 10 11 12 13 14 15 16

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

CENTRAL STATION TELEPHONE NUMBER 2: (View at addresses **024** to **031**.)

Streamline section

06 ___/___/___/___/___/___/___/___
 1 2 3 4 5 6 7 8

Streamline section

07 ___/___/___/___/___/___/___/___
 9 10 11 12 13 14 15 16

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

ACCOUNT "A" AND "B": (View at addresses **032** to **035**.)

Streamline section

08 ___/___/___/___/___/___/___/___
 1 2 3 4 5 6 7 8
 A B

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

If only one account number is required, the same number must be entered for both account "A" and "B".

Streamline section	Data	Description	Address
09	[2ND]/[2ND]	Future use	036
	[2ND]/	1st digit: value must be entered i.e. [2ND]	037
		2nd digit: time correction (See table)	
	/	1st digit: telephone 1 format	038
		2nd digit: telephone 2 format	
10	/[2ND]	1st digit: PGM 1 type	039
		2nd digit: value must be entered i.e. [2ND]	
10	/	PGM 1	040
	[2ND]/[2ND]	N/A	041
	/	PGM mask 1	042
	[2ND]/[2ND]	N/A	043

TIME CORRECTION:

(address 037 second digit)

[2ND] - No adjustment	[8] - Minus 4 sec.
[1] - Plus 4 sec.	[9] - Minus 8 sec.
[2] - Plus 8 sec.	[10] - Minus 12 sec.
[3] - Plus 12 sec.	[11] - Minus 16 sec.
[4] - Plus 16 sec.	[12] - Minus 20 sec.
[5] - Plus 20 sec.	[BYP] - Minus 24 sec.
[6] - Plus 24 sec.	[MEM] - Minus 28 sec.
[7] - Plus 28 sec.	[TRBL] - Minus 32 sec.

COMMUNICATOR FORMATS**Key**

[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)

PROGRAMMABLE CONTACT ID EVENT CODES

All addresses from 300 to 527 (sections 11 to 67) programmed with values other than [2ND] [2ND] will report the contact ID codes corresponding to the values programmed. Values to be programmed should be selected from this table.

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 BURG.	[1] / [2ND]	373:	FIRE LOOP TROUBLE	[3] / [1]
132:	INTERIOR BURG.	[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 AUX	[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]

For addresses 044 to 126, see pages 7 to 10.

REPORTING CODES: (reset code = "empty" [2ND] [2ND])

All digits from [1] to [F] are valid. Enter [2ND] (skip) = digit will not be reported except for contact I.D. programmable codes. For single digit reporting enter "skip" ([2ND]) as first digit.

If CONTACT I.D. format (all codes) is selected, addresses 300 to 527 (sections 11 to 67) do not have to be programmed. (Select Contact I.D (all codes) - key [10] for both central station numbers at section 09 - address 038.)

ARMING (closing) CODES:

Streamline section	Data	Description	Address	Streamline section	Data	Description	Address
11	___/___	Auto / Espload	300	18	___/___	User code 27	328
	___/___	Master	301		___/___	User code 28	329
	___/___	User code 1	302		___/___	User code 29	330
	___/___	User code 2	303		___/___	User code 30	331
12	___/___	User code 3	304	19	___/___	User code 31	332
	___/___	User code 4	305		___/___	User code 32	333
	___/___	User code 5	306		___/___	User code 33	334
	___/___	User code 6	307		___/___	User code 34	335
13	___/___	User code 7	308	20	___/___	User code 35	336
	___/___	User code 8	309		___/___	User code 36	337
	___/___	User code 9	310		___/___	User code 37	338
	___/___	User code 10	311		___/___	User code 38	339
14	___/___	User code 11	312	21	___/___	User code 39	340
	___/___	User code 12	313		___/___	User code 40	341
	___/___	User code 13	314		___/___	User code 41	342
	___/___	User code 14	315		___/___	User code 42	343
15	___/___	User code 15	316	22	___/___	User code 43	344
	___/___	User code 16	317		___/___	User code 44	345
	___/___	User code 17	318		___/___	User code 45	346
	___/___	User code 18	319		___/___	User code 46	347
16	___/___	User code 19	320	23	___/___	User code 47	348
	___/___	User code 20	321		___/___	User code 48 / (Duress)	349
	___/___	User code 21	322	! → See next page			
	___/___	User code 22	323				
17	___/___	User code 23	324				
	___/___	User code 24	325				
	___/___	User code 25	326				
	___/___	User code 26	327				

REPORTING CODES: (reset code "empty")

DISARMING (opening) CODES:

Streamline section	Data	Description	Address
		See previous page	
23	___/___	Espload	350
	___/___	Master	351
24	___/___	User code 1	352
	___/___	User code 2	353
	___/___	User code 3	354
	___/___	User code 4	355
25	___/___	User code 5	356
	___/___	User code 6	357
	___/___	User code 7	358
	___/___	User code 8	359
26	___/___	User code 9	360
	___/___	User code 10	361
	___/___	User code 11	362
	___/___	User code 12	363
27	___/___	User code 13	364
	___/___	User code 14	365
	___/___	User code 15	366
	___/___	User code 16	367
28	___/___	User code 17	368
	___/___	User code 18	369
	___/___	User code 19	370
	___/___	User code 20	371
29	___/___	User code 21	372
	___/___	User code 22	373
	___/___	User code 23	374
	___/___	User code 24	375

Streamline section	Data	Description	Address
30	___/___	User code 25	376
	___/___	User code 26	377
	___/___	User code 27	378
	___/___	User code 28	379
31	___/___	User code 29	380
	___/___	User code 30	381
	___/___	User code 31	382
	___/___	User code 32	383
32	___/___	User code 33	384
	___/___	User code 34	385
	___/___	User code 35	386
	___/___	User code 36	387
33	___/___	User code 37	388
	___/___	User code 38	389
	___/___	User code 39	390
	___/___	User code 40	391
34	___/___	User code 41	392
	___/___	User code 42	393
	___/___	User code 43	394
	___/___	User code 44	395
35	___/___	User code 45	396
	___/___	User code 46	397
	___/___	User code 47	398
	___/___	User code 48 / (Duress)	399

ALARM CODES ZONE 1 TO 12:

Streamline section	Data	Description	Address
36	___/___	Zone 1	400
	___/___	Zone 2	401
	___/___	Zone 3 (fire)	402 (see add. 100)
	___/___	Zone 4	403
37	___/___	Zone 5 Keypad 1	404
	___/___	Zone 6 Keypad 2	405
	[2ND]/[2ND]	N/A	406
	[2ND]/[2ND]	N/A	407
38	[2ND]/[2ND]	N/A	408
	[2ND]/[2ND]	N/A	409
	[2ND]/[2ND]	N/A	410
	[2ND]/[2ND]	N/A	411

ALARM CODES ZONE 13 TO 24:

Streamline section	Data	Description	Address
39	[2ND]/[2ND]	N/A	412
	[2ND]/[2ND]	N/A	413
	[2ND]/[2ND]	N/A	414
	[2ND]/[2ND]	N/A	415
40	[2ND]/[2ND]	N/A	416
	[2ND]/[2ND]	N/A	417
	[2ND]/[2ND]	N/A	418
	[2ND]/[2ND]	N/A	419
41	[2ND]/[2ND]	N/A	420
	[2ND]/[2ND]	N/A	421
	[2ND]/[2ND]	N/A	422
	[2ND]/[2ND]	N/A	423

REPORTING CODES: (reset code "empty")

ZONE 1 TO 12 RESTORE CODES:

Streamline section	Data	Description	Address
42	___/___	Zone 1	424
	___/___	Zone 2	425
	___/___	Zone 3 (<i>fire</i>)	426 (see add. 100)
	___/___	Zone 4	427
43	___/___	Zone 5 Keypad 1	428
	___/___	Zone 6 Keypad 2	429
	[2ND]/[2ND]	N/A	430
	[2ND]/[2ND]	N/A	431
44	[2ND]/[2ND]	N/A	432
	[2ND]/[2ND]	N/A	433
	[2ND]/[2ND]	N/A	434
	[2ND]/[2ND]	N/A	435

ZONE 13 TO 24 RESTORE CODES:

Streamline section	Data	Description	Address
45	[2ND]/[2ND]	N/A	436
	[2ND]/[2ND]	N/A	437
	[2ND]/[2ND]	N/A	438
	[2ND]/[2ND]	N/A	439
46	[2ND]/[2ND]	N/A	440
	[2ND]/[2ND]	N/A	441
	[2ND]/[2ND]	N/A	442
	[2ND]/[2ND]	N/A	443
47	[2ND]/[2ND]	N/A	444
	[2ND]/[2ND]	N/A	445
	[2ND]/[2ND]	N/A	446
	[2ND]/[2ND]	N/A	447

ZONE 1 TO 12 SHUTDOWN CODES:

Streamline section	Data	Description	Address
48	___/___	Zone 1	448
	___/___	Zone 2	449
	___/___	Zone 3	450
	___/___	Zone 4	451
49	___/___	Zone 5 Keypad 1	452
	___/___	Zone 6 Keypad 2	453
	[2ND]/[2ND]	N/A	454
	[2ND]/[2ND]	N/A	455
50	[2ND]/[2ND]	N/A	456
	[2ND]/[2ND]	N/A	457
	[2ND]/[2ND]	N/A	458
	[2ND]/[2ND]	N/A	459

ZONE 13 TO 24 SHUTDOWN CODES:

Streamline section	Data	Description	Address
51	[2ND]/[2ND]	N/A	460
	[2ND]/[2ND]	N/A	461
	[2ND]/[2ND]	N/A	462
	[2ND]/[2ND]	N/A	463
52	[2ND]/[2ND]	N/A	464
	[2ND]/[2ND]	N/A	465
	[2ND]/[2ND]	N/A	466
	[2ND]/[2ND]	N/A	467
53	[2ND]/[2ND]	N/A	468
	[2ND]/[2ND]	N/A	469
	[2ND]/[2ND]	N/A	470
	[2ND]/[2ND]	N/A	471

TAMPER 1 TO 12 TROUBLE CODES:

Streamline section	Data	Description	Address
54	___/___	Tamper 1	472
	___/___	Tamper 2	473
	___/___	Tamper 3	474
	___/___	Tamper 4	475
55	[2ND]/[2ND]	N/A	476
	[2ND]/[2ND]	N/A	477
	[2ND]/[2ND]	N/A	478
	[2ND]/[2ND]	N/A	479
56	[2ND]/[2ND]	N/A	480
	[2ND]/[2ND]	N/A	481
	[2ND]/[2ND]	N/A	482
	[2ND]/[2ND]	N/A	483

TAMPER 13 TO 24 TROUBLE CODES:

Streamline section	Data	Description	Address
57	[2ND]/[2ND]	N/A	484
	[2ND]/[2ND]	N/A	485
	[2ND]/[2ND]	N/A	486
	[2ND]/[2ND]	N/A	487
58	[2ND]/[2ND]	N/A	488
	[2ND]/[2ND]	N/A	489
	[2ND]/[2ND]	N/A	490
	[2ND]/[2ND]	N/A	491
59	[2ND]/[2ND]	N/A	492
	[2ND]/[2ND]	N/A	493
	[2ND]/[2ND]	N/A	494
	[2ND]/[2ND]	N/A	495

REPORTING CODES: (reset code "empty")

TROUBLE CODES:

Streamline section	Data	Description	Address	Streamline section	Data	Description	Address
60	___/___	Max. auxiliary current	496	61	___/___	Fire loop trouble	500
	___/___	Bell disconnect / max. bell current	497		___/___	Timer loss	501
	___/___	Battery disconnect / low voltage	498		[2ND]/[2ND]	Future use	502
	___/___	Power failure	499		[2ND]/[2ND]	Future use	503
	___/___						

TROUBLE RESTORE CODES:

Streamline section	Data	Description	Address	Streamline section	Data	Description	Address
62	___/___	Max. auxiliary current	504	63	___/___	Fire loop trouble	508
	___/___	Bell disconnect	505		___/___	Timer programmed	509
	___/___	Battery disconnect / low voltage	506		___/___	Tamper / wiring fault	510
	___/___	Power failure	507		___/___	TLM trouble restore	511
	___/___						

SPECIAL CODES:


Streamline section	Data	Description	Address	Streamline section	Data	Description	Address
64	___/___	Test report	512	66	___/___	Duress	520
	___/___	Panic 1	513		[2ND]/[2ND]	Future use	521
	___/___	Panic 2	514		[2ND]/[2ND]	Future use	522
	___/___	Panic 3	515		[2ND]/[2ND]	Future use	523
	___/___						
65	___/___	Late to close	516	67	___/___	Log-in (Espload)	524
	___/___	No movement	517		___/___	Program change	525
	___/___	Partial arming	518		[2ND]/[2ND]	Future use	526
	___/___	Recent close	519		[2ND]/[2ND]	Future use	527
	___/___						

DECIMAL PROGRAMMING

3 Digit Decimal Value Programming

Used to program addresses **044** to **061**. Values entered must contain 3 digits between "000" and "255". ([10] = 0)


Decimal value programming:

- 1) Press [ENTER] + installer code. ([ENTER] key will flash.)
 - 2) Enter 3 digit address (**044** to **061**).
 - 3) Current value will be displayed on keypad. 
 - 4) Enter 3 digit DECIMAL value.
 - 5) Repeat from step 2 onward for next address.
- To exit programming mode press [CLEAR].

DECIMAL VALUE DISPLAY

If key is lit = 8 = 4 = 2 = 1

 Total value (57)
(8 + 1 + 32 + 16 = 57)

 If key is lit = 128 = 64 = 32 = 16
No light = 0

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")

DECIMAL PROGRAMMING

- 049:** ____/____/____ (seconds) Exit delay (*factory default 60 seconds*)
- 050:** ____/____/____ (seconds) Entry delay 1 (*factory default 45 seconds*)
- 051:** ____/____/____ (seconds) Entry delay 2 (*factory default 45 seconds*)
- 052:** ____/____/____ (minutes) Bell cut-off time (*factory default 5 minutes*)
- 053:** ____/____/____ (x 15 mSec.) Zone speed (*factory default 600 mSec.*)
- 054:** ____/____/____ (minutes) Power failure report delay (*factory default 30 minutes*) (000 = disabled)
- 055:** ____/____/____ (x 15 minutes) "No movement" report time (*factory default 8 hours*) (000 = disabled)
- 056:** ____/____/____ PGM timer setting (001 to 127 for seconds and 129 to 255 for minutes) (*factory default 5 seconds*)
Add 128 to desired value in minutes (i.e. for 5 minutes: enter 5 + 128 = 133)
- 057:** ____/____/____ Intellizone delay (in seconds, minimum = 10 seconds) (*factory default 48 seconds*)
- 058:** ____/____/____ Installer code lock (147 = locked, 000 = unlocked)
- 059:** ____/____/____ (seconds) Programmable delay before alarm transmission (5 to 63 seconds) (000 = disabled)
- 060:** ____/____/____ (seconds) Recent closing delay (000 = disabled)
- 061:** [2ND]/[2ND]/[2ND] Future Use

FEATURE SELECT PROGRAMMING

Addresses **062-126**. "ON"/"OFF" status of the key lights determines feature selection.

In programming mode, enter 3 digit memory address (**062 to 126**). To save entries, press [ENTER].

To exit programming mode press [CLEAR]. Reset = "OFF" for addresses **062 to 126**.

CODE PRIORITY																	
KEY SELECT: [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [BYP] [MEM] [TRBL] [2ND]																	
062:	User #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	SYSTEM "A" / STAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
064:	User #:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	SYSTEM "A" / STAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
066:	User #:	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	SYSTEM "A" / STAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
068:	User #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	SYSTEM "B" / AWAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
070:	User #:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	SYSTEM "B" / AWAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
072:	User #:	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	SYSTEM "B" / AWAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
074:	User #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Codes with bypass access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
076:	User #:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Codes with bypass access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
078:	User #:	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Codes with bypass access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Addresses **080 to 085** for future use.

FEATURE SELECT PROGRAMMING (continued)

(no status only if its determines if feature is selected)

086:

	OFF	ON	
See TLM table	<input type="checkbox"/> [2ND]	<input type="checkbox"/>	
	<input type="checkbox"/> [1]	<input type="checkbox"/>	
PS1/Keyswitch = regular arm	<input type="checkbox"/> [2]	<input type="checkbox"/>	stay arm / System A
PS1/Keyswitch arming	<input type="checkbox"/> [3]	<input type="checkbox"/>	enabled
Call back	<input type="checkbox"/> [4]	<input type="checkbox"/>	enabled
Auto arm on time	<input type="checkbox"/> [5]	<input type="checkbox"/>	enabled
Auto arm on no movement	<input type="checkbox"/> [6]	<input type="checkbox"/>	enabled
Pulse dialing	<input type="checkbox"/> [7]	<input type="checkbox"/>	Tone dialing (DTMF)
Partitioning	<input type="checkbox"/> [8]	<input type="checkbox"/>	enabled
Silent zone/panic generates a silent alarm (1:2) Pulse Europe	<input type="checkbox"/> [9]	<input type="checkbox"/>	generates only a report
	<input type="checkbox"/> [10]	<input type="checkbox"/>	(1:1.5) Pulse USA
See Reporting table	<input type="checkbox"/> [11]	<input type="checkbox"/>	
	<input type="checkbox"/> [12]	<input type="checkbox"/>	
	<input type="checkbox"/> [BYP]	<input type="checkbox"/>	N/A
Bell s uawk on arm/disarm	<input type="checkbox"/> [MEM]	<input type="checkbox"/>	enabled
Auto zone shutdown	<input type="checkbox"/> [TRBL]	<input type="checkbox"/>	enabled

TE EP ONE INE ONITOR

Address 086, Key [2ND] [1]

KEY

[2ND] [1]

OFF	OFF	— TLM disabled
OFF	ON	— TLM generates trouble only
ON	OFF	— generates an alarm if armed
ON	ON	— silent alarm becomes audible

↳ (address 086, key [9] has to be OFF)

088:

	OFF	ON	
Automatic event buffer transmission	<input type="checkbox"/> [2ND]	<input type="checkbox"/>	enabled
Panic 1 (keys [1] [3] PS1)	<input type="checkbox"/> [1]	<input type="checkbox"/>	enabled
Panic 2 (keys [4] [6])	<input type="checkbox"/> [2]	<input type="checkbox"/>	enabled
Panic 3 (keys [7] [9])	<input type="checkbox"/> [3]	<input type="checkbox"/>	enabled
Panic 1 silent (PS1)	<input type="checkbox"/> [4]	<input type="checkbox"/>	audible
Panic 2 silent	<input type="checkbox"/> [5]	<input type="checkbox"/>	audible
Panic 3 silent	<input type="checkbox"/> [6]	<input type="checkbox"/>	fire
Key [10] regular arm	<input type="checkbox"/> [7]	<input type="checkbox"/>	enabled
Key [11] stay or system A arm	<input type="checkbox"/> [8]	<input type="checkbox"/>	enabled
6 digit access codes	<input type="checkbox"/> [9]	<input type="checkbox"/>	4 digit
Tamper Recognition	<input type="checkbox"/> [10]	<input type="checkbox"/>	
	<input type="checkbox"/> [11]	<input type="checkbox"/>	
Beep on exit delay	<input type="checkbox"/> [12]	<input type="checkbox"/>	enabled
Report zone restore on bell cut-off	<input type="checkbox"/> [BYP]	<input type="checkbox"/>	on zone closure
Zones with EOL (1KΩ)	<input type="checkbox"/> [MEM]	<input type="checkbox"/>	no EOL
Always report disarm	<input type="checkbox"/> [TRBL]	<input type="checkbox"/>	only after alarm

REPORTING OPTIONS

Address 086, Key [11] [12]

KEY	TYPE	DIALING SE UENCE (tel. No.)
[11] [12]		
OFF	OFF	— Reporting disabled
OFF	ON	— Regular reporting -1,2,1,2,1,2,1,2, fail to comm.
ON	OFF	— Split reporting: Alarms -1,1,1,1,1,1,1,1, fail to comm.
		System report -2,2,2,2,2,2,2,2, fail to comm.
ON	ON	— Double reporting -1,1,1,1,1,1,1,1, fail to comm., 2,2,2,2,2,2,2,2, fail to comm.

On alarm, all reports are made to Tel. #1 until system is disarmed.
(Once disarmed, system reports are made to Tel. #2)

090:

	OFF	ON	
Exclude power failure from trouble display	<input type="checkbox"/> [2ND]	<input type="checkbox"/>	enabled
	<input type="checkbox"/> [1]	<input type="checkbox"/>	N/A
Auto arm = regular arm	<input type="checkbox"/> [2]	<input type="checkbox"/>	stay / System A
	<input type="checkbox"/> [3]	<input type="checkbox"/>	N/A
	<input type="checkbox"/> [4]	<input type="checkbox"/>	N/A
	<input type="checkbox"/> [5]	<input type="checkbox"/>	N/A
No tamper bypass	<input type="checkbox"/> [6]	<input type="checkbox"/>	tamper follows zone bypass definition
	<input type="checkbox"/> [7]	<input type="checkbox"/>	N/A
	<input type="checkbox"/> [8]	<input type="checkbox"/>	N/A
Audible trouble warning	<input type="checkbox"/> [9]	<input type="checkbox"/>	enabled
Duress	<input type="checkbox"/> [10]	<input type="checkbox"/>	enabled
Keypad 1 zone supervision	<input type="checkbox"/> [11]	<input type="checkbox"/>	enabled
Keypad 2 zone supervision	<input type="checkbox"/> [12]	<input type="checkbox"/>	enabled
	<input type="checkbox"/> [BYP]	<input type="checkbox"/>	N/A
	<input type="checkbox"/> [MEM]	<input type="checkbox"/>	N/A
	<input type="checkbox"/> [TRBL]	<input type="checkbox"/>	N/A

TAMPER FAILURE DEFINITIONS

Address 088, Key [10] [11]

S STATE AR ED	KEY	S STATE DISAR ED
	[10] [11]	
Alarm as per individual zone definitions	— OFF OFF	— Tamper supervision disabled
	OFF ON	— No alarm, trouble code reported
Always generate trouble and alarm, audible or silent as per individual zone definitions	ON OFF	— Silent alarm. Trouble and alarm codes reported
	ON ON	— Audible alarm. Trouble and alarm codes reported

Exception: for 24 hour zones the tamper definition will follow the audible/silent alarm definition of the 24 hour zone.
Silent zones will generate a silent alarm.

PS1 software version 1.1
Keypad software versions prior to 4.0 Keypad supervision must be OFF

PS1 software versions 2.0 onward
Keypad software versions 4.0 onward Keypad supervision must be ON
(See Wiring Diagram)

ZONE DEFINITION: (reset = "OFF")																							
KEY SELECT: [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12]																							
092 1 2 3 4 5 6 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>												094 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
Intellizone = ON																							
096 1 2 3 4 5 6 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>												098 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
Silent = ON																							
100 1 2 3 4 5 6 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>												102 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
24HR./Fire = ON																							
When zone 3 is defined "24 Hour" it becomes a fire zone																							
104 1 2 3 4 5 6 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>												106 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
Instant = ON																							
108 1 2 3 4 5 6 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>												110 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
Follow = ON																							
112 1 2 3 4 5 6 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>												114 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
Delay 2 = ON																							
If ON, zone is armed on 116 1 2 3 4 5 6 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>												System A / STAY 118 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
stay or split arming																							
If ON, zone is armed in split arming 120 1 2 3 4 5 6 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>												System B 122 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
Bypass enable = ON																							
124 1 2 3 4 5 6 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>												126 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											

Zones that are not selected at addresses **100** to **112** become "Delay 1" zones.

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.

KEY ACCESS PROGRAMMING

Programs features quickly, without entering addresses or section numbers.

To activate "key access programming", press **[ENTER]**, followed by installer, master or user code 1. (Code required depends on the feature you wish to access - see below.) Press the key corresponding to the desired feature.

Press **[ENTER]** or **[CLEAR]** to exit.

key

- [8] Installer test mode** (installer code only)
In installer test mode, a confirmation beep (intermittent) indicates test is "on", a "rejection" beep (long) indicates test is "off". The bell will squawk during walk testing to indicate opened, functional zones.
- [9] "Auto arming" time program** (all 3 codes)
Key **[9]** flashes. Enter two digits (00 to 23) for hours + 2 digits (00 to 59) for minutes.
- [MEM] "Panel time" and clear "trouble 8"** (all 3 codes)
Key **[MEM]** flashes. Enter two digits (00 to 23) for hours + 2 digits (00 to 59) for minutes.
- [BYP] Test report** (all 3 codes)
Reporting is enabled at address **086**, keys **[11]**, **[12]**. A value must be entered at address **512**, and both telephone and account numbers must be programmed.
- [TRBL] Call Espload via telephone** (all 3 codes)
Panel identifier and PC password (addresses **004-007**) and computer telephone number (addresses **008-015**) must be programmed.
- [AWAY] Answer Espload** (all 3 codes)
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 without ADP-1).
- [STAY] Cancel communication attempts** (master code and user 1 can only stop calls to Espload)
Until next reportable event (installer code - all communications)

When communicating with Espload, it is impossible to enter programming mode.

ESPRIT 728 EXPRESS CONNECTION DIAGRAMS

The system hardware will recognize the following zone conditions:

Note: Keypad zones always use (1K OHM) EOL resistor.

SINGLE ZONE CONNECTIONS

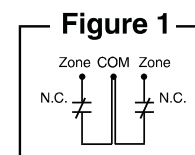
ZONE connection, without EOL resistor (N.C. contacts)

address **088**, key [MEM] = "on"

key [10] = "off" (reset)

key [11] = "off" (reset)

N.C. contacts see Figure 1



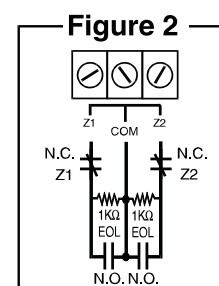
ZONE connection, with EOL resistor (N.C. and N.O. contacts)

address **088**, key [MEM] = "off" (reset)

key [10] = "off" (reset)

key [11] = "off" (reset)

N.C. and/or N.O. contacts, see Figure 2



UL/ULC Configuration

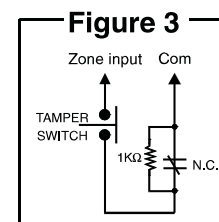
ZONE connection, without EOL resistor, with tamper recognition (N.C. contacts)

address **088**, key [MEM] = "on"

key [10] = See "Tamper/wire Fault Definitions

key [11] = and Options"

Tamper transmits separate code, see Figure 3



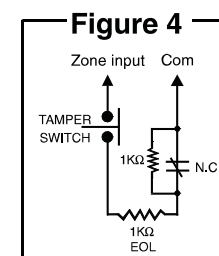
ZONE connection, with EOL resistor, with tamper recognition, and with wire fault (short circuit) recognition (N.C. contacts)

address **088**, key [MEM] = "off"

key [10] = See "Tamper/wire Fault Definitions

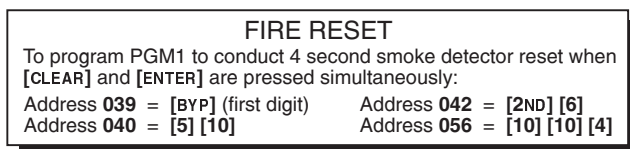
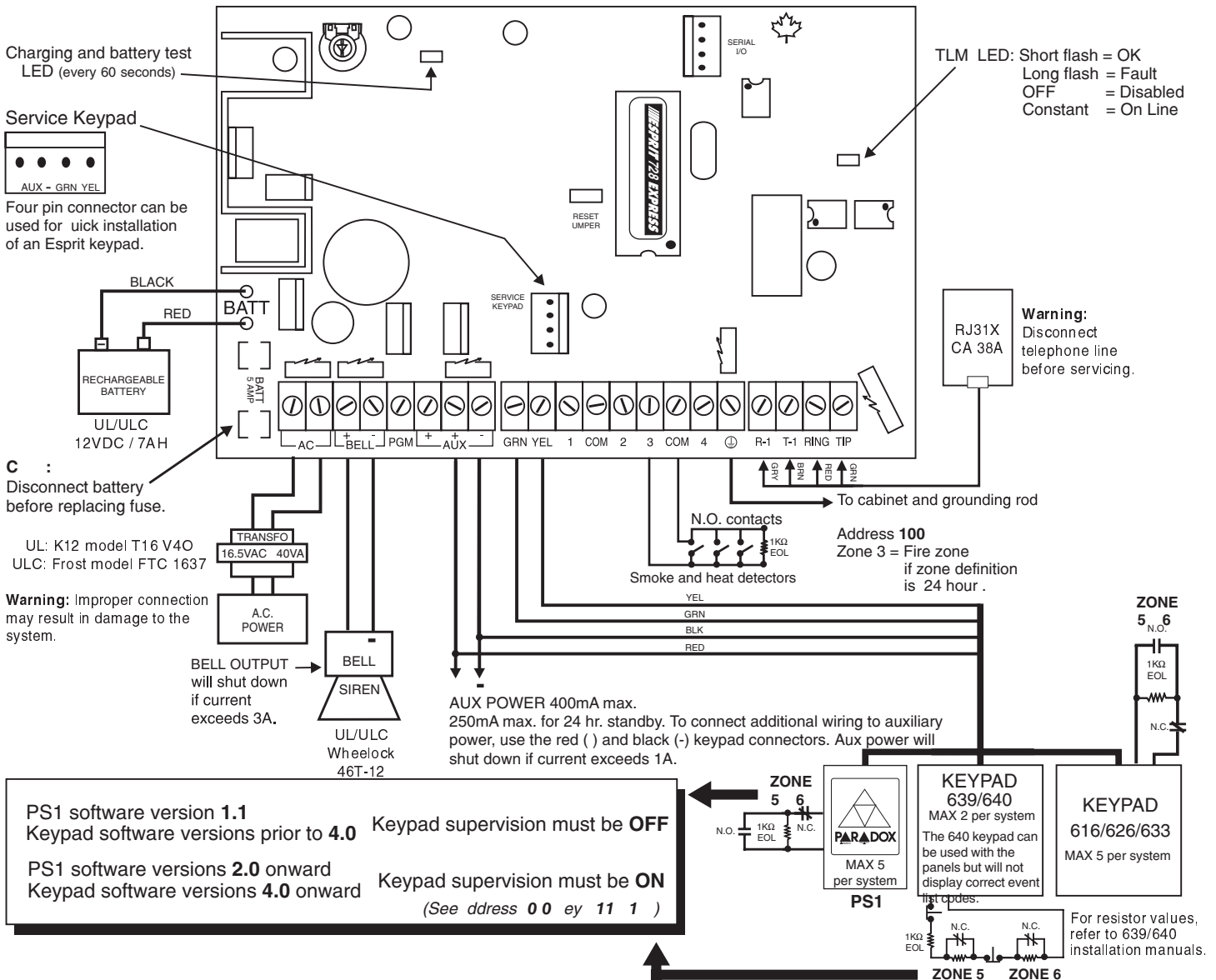
key [11] = and Options"

Tamper/wire fault transmits separate code, see Figure 4



UL/ULC Configuration

ESPRIT 728 E PRESS I I DIA A



Keyswitch can be used in parallel with keypad (Not on UL systems).

