

ESPRIT 748ES PROGRAMMING GUIDE



48ESEP-02



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



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



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

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

No display = SKIP (empty)

10 = [0] = [A]

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 **747474**)

(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)

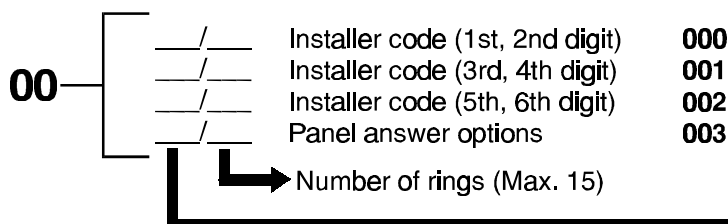
PANEL ANSWER OPTIONS:

(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
--------------------	------	-------------	---------



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	Streamline section
02 ___/___/___/___/___/___/___/___	03 ___/___/___/___/___/___/___/___
1 2 3 4 5 6 7 8	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	Streamline section
04 ___/___/___/___/___/___/___/___	05 ___/___/___/___/___/___/___/___
1 2 3 4 5 6 7 8	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	Streamline section
06 ___/___/___/___/___/___/___/___	07 ___/___/___/___/___/___/___/___
1 2 3 4 5 6 7 8	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] [2ND]/___	Future use 1st digit: value must be entered i.e. [2ND] 2nd digit: time correction (See table)	036 037
	___/___	1st digit: telephone 1 format 2nd digit: telephone 2 format	038
	___/___	1st digit: PGM 1 type 2nd digit: PGM 2 type	039
	___/___ ___/___ ___/___ ___/___	PGM 1 PGM 2 PGM mask 1 PGM mask 2	040 041 042 043

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 /	349
	___/___	User code 21	322			(Duress)	
	___/___	User code 22	323				
17	___/___	User code 23	324				
	___/___	User code 24	325				
	___/___	User code 25	326				
	___/___	User code 26	327				

↳ See next page

REPORTING CODES: *(reset code "empty")*

DISARMING (opening) CODES:

Streamline section	Data	Description	Address	Streamline section	Data	Description	Address
		<i>See previous page</i>					
23	___/___	Espload	350	30	___/___	User code 25	376
	___/___	Master	351		___/___	User code 26	377
24	___/___	User code 1	352		___/___	User code 27	378
	___/___	User code 2	353		___/___	User code 28	379
	___/___	User code 3	354	31	___/___	User code 29	380
	___/___	User code 4	355		___/___	User code 30	381
25	___/___	User code 5	356		___/___	User code 31	382
	___/___	User code 6	357		___/___	User code 32	383
	___/___	User code 7	358	32	___/___	User code 33	384
	___/___	User code 8	359		___/___	User code 34	385
26	___/___	User code 9	360		___/___	User code 35	386
	___/___	User code 10	361		___/___	User code 36	387
	___/___	User code 11	362	33	___/___	User code 37	388
	___/___	User code 12	363		___/___	User code 38	389
27	___/___	User code 13	364		___/___	User code 39	390
	___/___	User code 14	365		___/___	User code 40	391
	___/___	User code 15	366	34	___/___	User code 41	392
	___/___	User code 16	367		___/___	User code 42	393
28	___/___	User code 17	368		___/___	User code 43	394
	___/___	User code 18	369		___/___	User code 44	395
	___/___	User code 19	370	35	___/___	User code 45	396
	___/___	User code 20	371		___/___	User code 46	397
29	___/___	User code 21	372		___/___	User code 47	398
	___/___	User code 22	373		___/___	User code 48 /	399
	___/___	User code 23	374		(Duress)		
	___/___	User code 24	375				

ALARM CODES ZONE 1 TO 12:

Streamline section	Data	Description	Address
36	___/___	Zone 1	400
	___/___	Zone 2	401
	___/___	Zone 3 (<i>fire</i>)	402 (see add. 100)
	___/___	Zone 4	403
37	___/___	Zone 5	404
	___/___	Zone 6	405
	___/___	Zone 7	406
	___/___	Zone 8	407
38	___/___	Zone 9	408
	___/___	Zone 10	409
	___/___	Zone 11	410
	___/___	Zone 12	411

ALARM CODES ZONE 13 TO 24:

Streamline section	Data	Description	Address
39	___/___	Zone 13 <i>Keypad 1</i>	412
	___/___	Zone 14 <i>Keypad 2</i>	413
	___/___	Zone 15	414
	___/___	Zone 16	415
40	___/___	Zone 17	416
	___/___	Zone 18	417
	___/___	Zone 19	418
	___/___	Zone 20	419
41	___/___	Zone 21	420
	___/___	Zone 22	421
	___/___	Zone 23	422
	___/___	Zone 24	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 <i>(see add. 100)</i>
	___/___	Zone 4	427
43	___/___	Zone 5	428
	___/___	Zone 6	429
	___/___	Zone 7	430
	___/___	Zone 8	431
44	___/___	Zone 9	432
	___/___	Zone 10	433
	___/___	Zone 11	434
	___/___	Zone 12	435

ZONE 13 TO 24 RESTORE CODES:

Streamline section	Data	Description	Address
45	___/___	Zone 13 <i>Keypad 1</i>	436
	___/___	Zone 14 <i>Keypad 2</i>	437
	___/___	Zone 15	438
	___/___	Zone 16	439
46	___/___	Zone 17	440
	___/___	Zone 18	441
	___/___	Zone 19	442
	___/___	Zone 20	443
47	___/___	Zone 21	444
	___/___	Zone 22	445
	___/___	Zone 23	446
	___/___	Zone 24	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	452
	___/___	Zone 6	453
	___/___	Zone 7	454
	___/___	Zone 8	455
50	___/___	Zone 9	456
	___/___	Zone 10	457
	___/___	Zone 11	458
	___/___	Zone 12	459

ZONE 13 TO 24 SHUTDOWN CODES:

Streamline section	Data	Description	Address
51	___/___	Zone 13 <i>Keypad 1</i>	460
	___/___	Zone 14 <i>Keypad 2</i>	461
	___/___	Zone 15	462
	___/___	Zone 16	463
52	___/___	Zone 17	464
	___/___	Zone 18	465
	___/___	Zone 19	466
	___/___	Zone 20	467
53	___/___	Zone 21	468
	___/___	Zone 22	469
	___/___	Zone 23	470
	___/___	Zone 24	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	___/___	Tamper 5	476
	___/___	Tamper 6	477
	___/___	Tamper 7	478
	___/___	Tamper 8	479
56	___/___	Tamper 9	480
	___/___	Tamper 10	481
	___/___	Tamper 11	482
	___/___	Tamper 12	483

TAMPER 13 TO 24 TROUBLE CODES:

Streamline section	Data	Description	Address
57	___/___	Tamper 13	484
	___/___	Tamper 14	485
	___/___	Tamper 15	486
	___/___	Tamper 16	487
58	___/___	Tamper 17	488
	___/___	Tamper 18	489
	___/___	Tamper 19	490
	___/___	Tamper 20	491
59	___/___	Tamper 21	492
	___/___	Tamper 22	493
	___/___	Tamper 23	494
	___/___	Tamper 24	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

2ND

TRBL

1

2

3

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)

(On/off status of key lights determines which feature is selected.)

086:

See "TLM" table

Keyswitch = regular arm

Keyswitch arming

Call back

Auto arm on time

Auto arm on no movement

Pulse dialing

Partitioning

Silent zone/panic generates a silent alarm

(1:2) Pulse Europe

See "Reporting" table

N/A

Bell squawk on arm/disarm

Auto zone shutdown

KEY		OFF	/	ON
<input type="checkbox"/>	[2ND]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[1]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[2]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[3]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[4]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[5]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[6]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[7]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[8]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[9]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[10]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[11]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[12]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[BYP]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[MEM]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[TRBL]	<input type="checkbox"/>		<input type="checkbox"/>

TELEPHONE LINE MONITOR

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:

Automatic event buffer transmission

Panic 1 (keys [1] & [3])

Panic 2 (keys [4] & [6])

Panic 3 (keys [7] & [9])

Panic 1 silent

Panic 2 silent

Panic 3 silent

Key [10] regular arm

Key [11] stay or system A arm

6 digit access codes

Tamper Recognition

Beep on exit delay

Report zone restore on bell cut-off

Zones with EOL (1KΩ)

Always report disarm

KEY		OFF	/	ON
<input type="checkbox"/>	[2ND]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[1]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[2]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[3]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[4]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[5]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[6]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[7]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[8]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[9]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[10]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[11]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[12]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[BYP]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[MEM]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[TRBL]	<input type="checkbox"/>		<input type="checkbox"/>

REPORTING OPTIONS

Address 086, Key [11] [12]

KEY	TYPE	DIALING SEQUENCE (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:

Exclude power failure from trouble display

N/A

Auto arm = regular arm

N/A

N/A

N/A

N/A

No tamper bypass

N/A

N/A

Audible trouble warning

Duress

Keypad 1 zone supervision

Keypad 2 zone supervision

N/A

N/A

N/A

KEY		OFF	/	ON
<input type="checkbox"/>	[2ND]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[1]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[2]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[3]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[4]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[5]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[6]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[7]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[8]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[9]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[10]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[11]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[12]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[BYP]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[MEM]	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	[TRBL]	<input type="checkbox"/>		<input type="checkbox"/>

TAMPER / WIRE FAULT DEFINITIONS

Address 088, Key [10] [11]

SYSTEM ARMED	KEY		SYSTEM DISARMED*
	[10]	[11]	
Alarm as per individual zone definitions	-OFF	OFF	- Tamper supervision disabled
Always generate trouble and alarm, audible or silent as per individual zone definitions	OFF	ON	- No alarm, trouble code reported
	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.

Keypad software versions prior to 4.0 } Keypad supervision must be OFF
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]												[1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12]													
092	1	2	3	4	5	6	7	8	9	10	11	12	094	13	14	15	16	17	18	19	20	21	22	23	24
Intellizone = ON	<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"/>	<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"/>
096	1	2	3	4	5	6	7	8	9	10	11	12	098	13	14	15	16	17	18	19	20	21	22	23	24
Silent = ON	<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"/>	<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"/>
100	1	2	3	4	5	6	7	8	9	10	11	12	102	13	14	15	16	17	18	19	20	21	22	23	24
24HR./Fire = ON	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When zone 3 is defined "24 Hour" it becomes a fire zone																									
104	1	2	3	4	5	6	7	8	9	10	11	12	106	13	14	15	16	17	18	19	20	21	22	23	24
Instant = ON	<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"/>	<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"/>
108	1	2	3	4	5	6	7	8	9	10	11	12	110	13	14	15	16	17	18	19	20	21	22	23	24
Follow = ON	<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"/>	<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"/>
112	1	2	3	4	5	6	7	8	9	10	11	12	114	13	14	15	16	17	18	19	20	21	22	23	24
Delay 2 = ON	<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"/>	<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"/>
If ON, zone is armed on	System A / STAY												System A / STAY												
116	1	2	3	4	5	6	7	8	9	10	11	12	118	13	14	15	16	17	18	19	20	21	22	23	24
stay or split arming	<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"/>	<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"/>
If ON, zone is armed in split arming	System B												System B												
120	1	2	3	4	5	6	7	8	9	10	11	12	122	13	14	15	16	17	18	19	20	21	22	23	24
armed in split arming	<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"/>	<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"/>
124	1	2	3	4	5	6	7	8	9	10	11	12	126	13	14	15	16	17	18	19	20	21	22	23	24
Bypass enable = ON	<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"/>	<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 114 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.

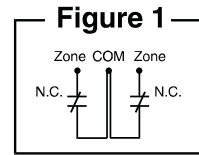
ESPRIT 748ES CONNECTION DIAGRAMS

The system hardware will recognize the following zone conditions:
 Note: Keypad zones always use (1K OHM) EOL resistor.

SINGLE ZONE CONNECTIONS

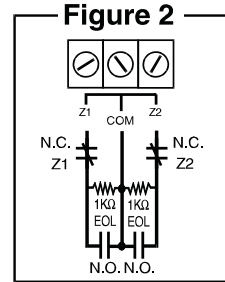
ZONE connection, without EOL resistor (N.C. contacts)

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)

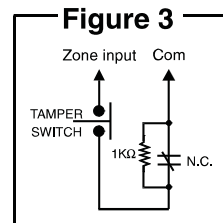
address **088**, key [MEM] = "off" (reset)
 key [10] = "off" (reset)
 key [11] = "off" (reset)
 N.C. and/or N.O. contacts, see Figure 2



UL/ULC Configuration

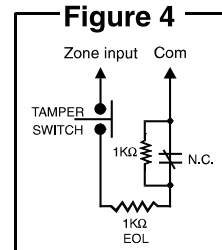
ZONE connection, without EOL resistor, with tamper recognition (N.C. contacts)

address **088**, key [MEM] = "on"
 key [10] = See "Tamper/wire Fault Definitions and Options"
 key [11] =
 Tamper transmits separate code, see Figure 3



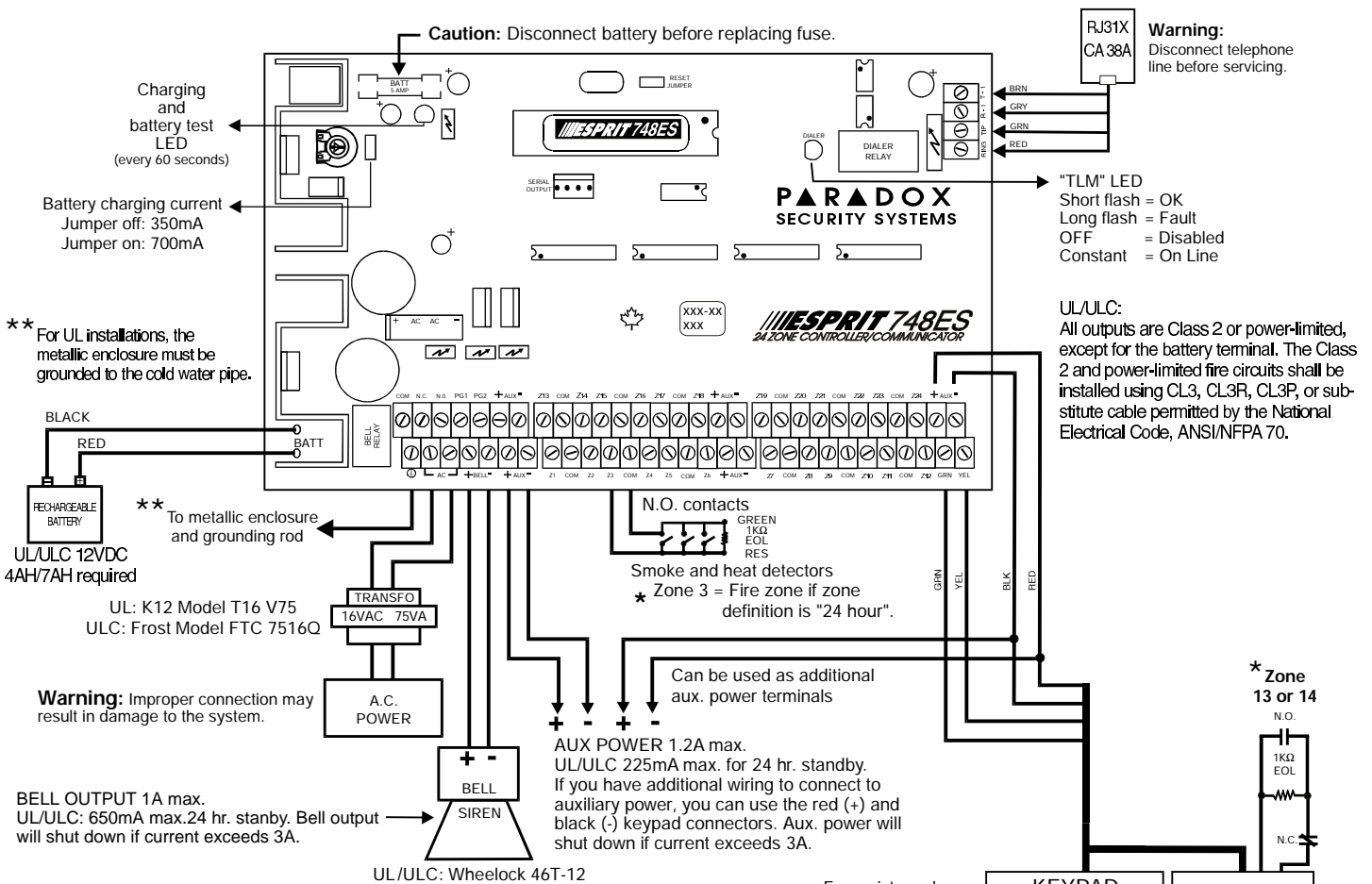
ZONE connection, with EOL resistor, with tamper recognition, and with wire fault (short circuit) recognition (N.C. contacts)

address **088**, key [MEM] = "off"
 key [10] = See "Tamper/wire Fault Definitions and Options"
 key [11] =
 Tamper/wire fault transmits separate code, see Figure 4

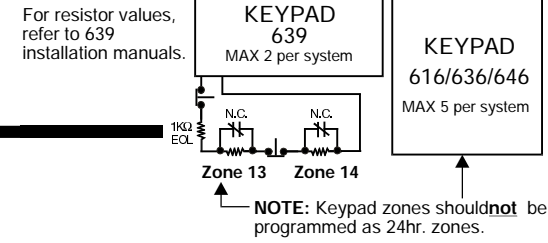


UL/ULC Configuration

ESPRIT 748ES WIRING DIAGRAM



* Keypad software versions prior to 4.0 } Keypad supervision must be OFF
 Keypad software versions 4.0 onward } Keypad supervision must be ON
 (See Address 090, key [11] [12])



FIRE RESET
 To program PGM1 to conduct 4 second smoke detector reset when [CLEAR] and [ENTER] are pressed simultaneously:
 Address 039 = [BYP] (first digit) Address 042 = [2ND] [6]
 Address 040 = [5] [10] Address 056 = [10] [10] [4]

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

