ESPRIT 738 EXPRESS PROGRAMMING GUIDE

USER FRIENDLY
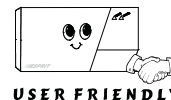
SOFTWARE VERSION 3.10

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.

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.

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.

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

[2ND] [1] [2] [3]
[TRBL] [4] [5] [6]

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 **737373**)   (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**	Identifies the control panel to the PC.
	___/___	Panel identifier (3rd, 4th digit)	**005**	
	___/___	Pc password (1st, 2nd digit)	**006**	Identifies the PC to the panel.
	___/___	Pc password (3rd, 4th digit)	**007**	

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
- ___/___   1st digit: PGM 1 type   039
  - 2nd digit: PGM 2 type

10
- ___/___   PGM 1   040
- ___/___   PGM 2   041
- ___/___   PGM mask 1   042
- ___/___   PGM mask 2   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)
[1] = (1400Hz, 1800Hz, 10bps)
[2] = **SILENT KNIGHT** fast (1400Hz, 1900Hz, 20bps)
[3] = **SESCOA** (2300Hz, 1800Hz, 20bps)
[4] = **RADIONICS** (40bps with 1400Hz handshake)
[5] = **RADIONICS** (40bps with 2300Hz handshake)

[6] = **RADIONICS** with PARITY (1400Hz, 40bps)
[7] = **RADIONICS** with PARITY (2300Hz, 40bps)
[8] = **ADEMCO** express
[9] = **ADEMCO** contact ID (programmable codes)
[10] = **ADEMCO** contact ID (all codes)
[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]**

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

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	**404**
	___/___	Zone 6	**405**
	___/___	Zone 7	**406**
	___/___	Zone 8 *Keypad 1*	**407**
38	___/___	Zone 9 *Keypad 2*	**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 *(fire)*	**426 *(see add. 100)***
	___/___	Zone 4	**427**
43	___/___	Zone 5	**428**
	___/___	Zone 6	**429**
	___/___	Zone 7	**430**
	___/___	Zone 8 *Keypad 1*	**431**
44	___/___	Zone 9 *Keypad 2*	**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	**452**
	___/___	Zone 6	**453**
	___/___	Zone 7	**454**
	___/___	Zone 8 *Keypad 1*	**455**
50	___/___	Zone 9 *Keypad 2*	**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	___/___	Tamper 5	**476**
	___/___	Tamper 6	**477**
	___/___	Tamper 7	**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

[2ND] [1] [2] [3]

[TRBL] [4] [5] [6]

If key is lit = 128 = 64 = 32 = 16

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

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: SYSTEM "A" / STAY — User #: 1 ☐	2 ☐	3 ☐	4 ☐	5 ☐	6 ☐	7 ☐	8 ☐	9 ☐	10 ☐	11 ☐	12 ☐	13 ☐	14 ☐	15 ☐	16 ☐
064: SYSTEM "A" / STAY — User #: 17 ☐	18 ☐	19 ☐	20 ☐	21 ☐	22 ☐	23 ☐	24 ☐	25 ☐	26 ☐	27 ☐	28 ☐	29 ☐	30 ☐	31 ☐	32 ☐
066: SYSTEM "A" / STAY — User #: 33 ☐	34 ☐	35 ☐	36 ☐	37 ☐	38 ☐	39 ☐	40 ☐	41 ☐	42 ☐	43 ☐	44 ☐	45 ☐	46 ☐	47 ☐	48 ☐
068: SYSTEM "B" / AWAY — User #: 1 ☐	2 ☐	3 ☐	4 ☐	5 ☐	6 ☐	7 ☐	8 ☐	9 ☐	10 ☐	11 ☐	12 ☐	13 ☐	14 ☐	15 ☐	16 ☐
070: SYSTEM "B" / AWAY — User #: 17 ☐	18 ☐	19 ☐	20 ☐	21 ☐	22 ☐	23 ☐	24 ☐	25 ☐	26 ☐	27 ☐	28 ☐	29 ☐	30 ☐	31 ☐	32 ☐
072: SYSTEM "B" / AWAY — User #: 33 ☐	34 ☐	35 ☐	36 ☐	37 ☐	38 ☐	39 ☐	40 ☐	41 ☐	42 ☐	43 ☐	44 ☐	45 ☐	46 ☐	47 ☐	48 ☐
074: Codes with bypass access — User #: 1 ☐	2 ☐	3 ☐	4 ☐	5 ☐	6 ☐	7 ☐	8 ☐	9 ☐	10 ☐	11 ☐	12 ☐	13 ☐	14 ☐	15 ☐	16 ☐
076: Codes with bypass access — User #: 17 ☐	18 ☐	19 ☐	20 ☐	21 ☐	22 ☐	23 ☐	24 ☐	25 ☐	26 ☐	27 ☐	28 ☐	29 ☐	30 ☐	31 ☐	32 ☐
078: Codes with bypass access — User #: 33 ☐	34 ☐	35 ☐	36 ☐	37 ☐	38 ☐	39 ☐	40 ☐	41 ☐	42 ☐	43 ☐	44 ☐	45 ☐	46 ☐	47 ☐	48 ☐

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

FEATURE SELECT PROGRAMMING (continued)

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

086:

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

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:

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

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)

TAMPER / WIRE FAULT DEFINITIONS
Address 088, Key [10] [11]

SYSTEM ARMED	KEY [10]	[11]	SYSTEM DISARMED*
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.

090:

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

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]		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]
092 Intellizone = ON	1	2	3	4	5	6	7	8	9	N/A	☐	☐	**094**	N/A											
096 Silent = ON	1	2	3	4	5	6	7	8	9	N/A	☐	☐	**098**	N/A											
100 24HR./Fire = ON	1	2	3🔥	4	5	6	7	8	9	N/A	☐	☐	**102**	N/A											
104 Instant = ON	1	2	3	4	5	6	7	8	9	N/A	☐	☐	**106**	N/A											
108 Follow = ON	1	2	3	4	5	6	7	8	9	N/A	☐	☐	**110**	N/A											
112 Delay 2 = ON	1	2	3	4	5	6	7	8	9	N/A	☐	☐	**114**	N/A											
If ON, zone is armed on stay or split arming **116** — System A / STAY	1	2	3	4	5	6	7	8	9	N/A	☐	☐	**118**	System A / STAY — N/A											
If ON, zone is armed in split arming **120** — System B	1	2	3	4	5	6	7	8	9	N/A	☐	☐	**122**	System B — N/A											
124 Bypass enable = ON	1	2	3	4	5	6	7	8	9	N/A	☐	☐	**126**	N/A											

🔥 When zone 3 is defined "24 Hour" it becomes a fire zone

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 738 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

Figure 1

Zone COM Zone

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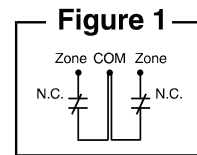
ZONE connection, with EOL resistor (N.C. and N.O. contacts)
address **088,** key **[MEM] =** "off" (reset)
              key **[10] =** "off " (reset)
              key **[11] =** "off " (reset)
N.C. and/or N.O. contacts, see Figure 2

Figure 2

Z1   COM   Z2
N.C. Z1   N.C. Z2
1KΩ EOL   1KΩ EOL
N.O. N.O.
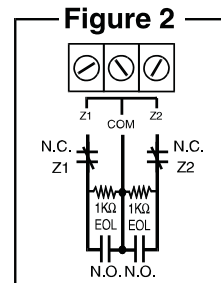
UL/ULC Configuration

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

Figure 3

Zone input   Com

TAMPER SWITCH
1KΩ   N.C.
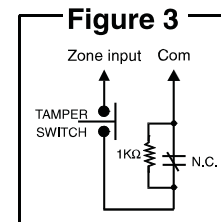
ZONE connection, with EOL resistor, with tamper recognition, and with wire fault (short circuit) recognition (N.C. contacts)
address **088,** key **[MEM] =** "off "
              key **[10] =**   See "Tamper/wire Fault Definitions
              key **[11] =**   and Options"
Tamper/wire fault transmits separate code, see Figure 4

Figure 4

Zone input   Com

TAMPER SWITCH
1KΩ   N.C.
1KΩ EOL

UL/ULC Configuration

ESPRIT 738 EXPRESS WIRING DIAGRAM

Caution: Disconnect battery before replacing fuse.

Charging and battery test LED (every 60 seconds)

"TLM" LED: Short flash = OK   OFF = Disabled
Long flash = Fault   Constant = On Line

Service Keypad

BATT 5 AMP

RESET JUMPER

PARADOX SECURITY SYSTEMS

SERIAL OUTPUT

+ AUX - GRN YEL

Four pin connector can be used for quick installation of an Esprit keypad.

ESPRIT 738 EXPRESS

DIALER

BLACK

RED

BATT

SERVICE KEYPAD

Warning: Disconnect telephone line before servicing.

RECHARGEABLE BATTERY

BELL RELAY OPTION

UL/ULC 12VDC / 7AH

RJ31X CA 38A

COM N.C. N.O. ⏚ ~AC~ PG1 PG2 + BELL - + - + AUX GRN YEL 1 C 2 3 C 4 5 C 6 C 7 R-1 T-1 RING TIP

To cabinet and grounding rod

N.O. contacts

GRY BRN RED GRN

1KΩ EOL

Smoke and heat detectors

Address 100
* Zone 3 = Fire zone if zone definition is "24 hour".

UL: K12 model T16 V4O
ULC: Frost model FTC 1637

TRANSFO
16.5VAC 40VA

Warning: Improper connection may result in damage to the system.

A.C. POWER

BELL OUTPUT will shut down if current exceeds 3A.

BELL
SIREN

UL/ULC Wheelock 46T-12

YEL
GRN
BLK
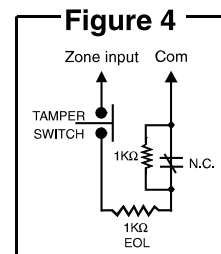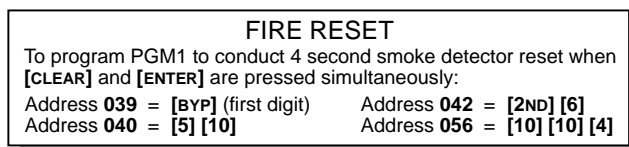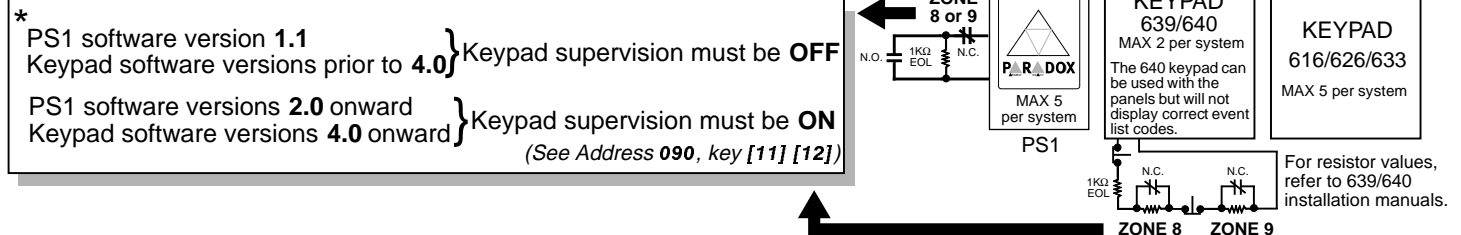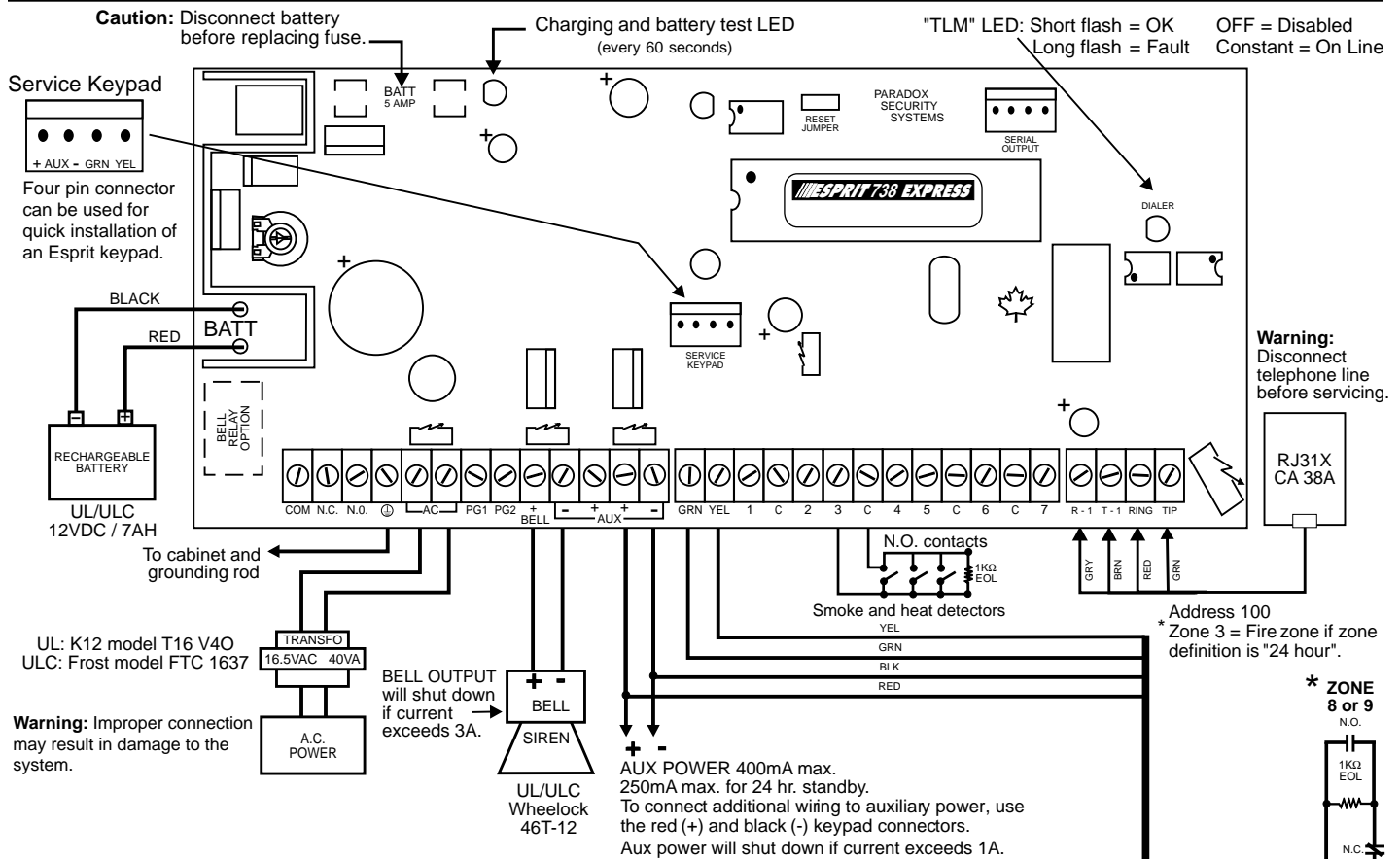RED

AUX POWER 400mA max.
250mA max. for 24 hr. standby.
To connect additional wiring to auxiliary power, use the red (+) and black (-) keypad connectors.
Aux power will shut down if current exceeds 1A.

* ZONE 8 or 9
N.O.

1KΩ EOL

N.C.

*
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 Address **090**, key **[11] [12]**)*

ZONE 8 or 9

N.O. 1KΩ EOL N.C.

KEYPAD 639/640
MAX 2 per system
The 640 keypad can be used with the panels but will not display correct event list codes.

KEYPAD 616/626/633
MAX 5 per system

P▲R▲DOX

MAX 5 per system

PS1

1KΩ EOL N.C. N.C.

ZONE 8 ZONE 9

For resistor values, refer to 639/640 installation manuals.

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).

KEYSWITCH CONNECTION

KEYSWITCH 220Ω → KYPD GRN
→ KYPD BLK

FIRE ALARM ZONE CONNECTIONS
* PGM maximum 50mA

*PGM + AUX Z3 COM

Smoke detector

Smoke detector

Smoke detector power supervision relay, 12VDC

1KΩ EOL

Smoke detector must be 4 wire latching - UL Falcon model 5454, ULC BRK 2412.
Power supervision relay model MR3-UL.

GROUND START CIRCUIT

WHT BLK RED PGM +AUX

MR3-UL

YEL

RNG

PGM OUTPUT RELAY

WHT BLK RED PGM +AUX

MR3-UL

COM BRN YEL N.C. N.O.