ESPRIT 748 EXPRESS+ PROGRAMMING GUIDE

Made in CANADA

USER FRIENDLY

SOFTWARE VERSION 3.20

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.

FIGURE 1

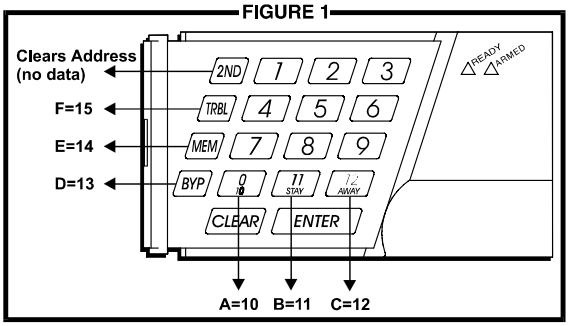
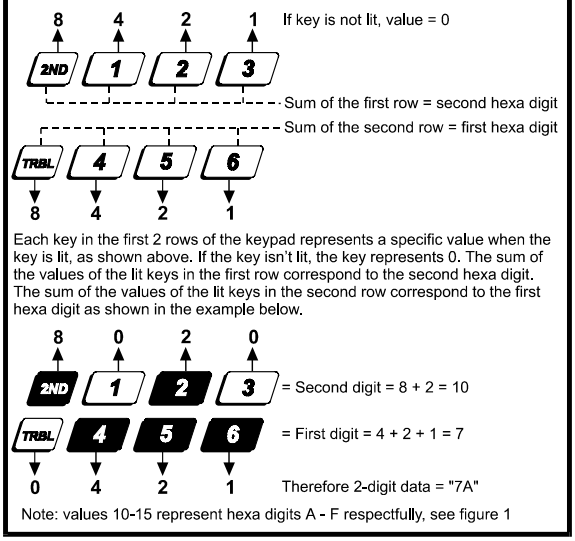


FIGURE 2

HEXA DIGIT DATA DISPLAY FOR LED KEYPADS

Note: LCD keypads will display current data on the screen.



Note: values 10-15 represent hexa digits A - F respectfully, see figure 1

HEXA PROGRAMMING:

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

1) Press **[ENTER]** + *Installer Code (default: **747474**)*
2) The **[ENTER]** key will flash indicating you are in programming mode
3) Enter the desired 3-digit address
4) The keypad will display the 2-digit data currently saved at this address as described in figure 2
5) Enter 2-digit data; after entering data you do not need to press [ENTER], the software will automatically save the data into the selected address
6) Return to **step 2** or press **[CLEAR]** to exit programming mode

STREAMLINED SECTION PROGRAMMING

This is an alternate method to Hexa Programming. The addresses (000-043 and 300-527) programmed in the Hexa Programming method are grouped into 67 sections where each section contains four addresses (i.e. section 00 = addresses 000-003). Using this method allows you to program 8 digits (4 addresses) without having to exit and re-enter addresses. Note, the keypad will not display the current data in the Hexa Streamlined Programming method. To program using the Hexa Streamlined Section method:

1) Press **[ENTER] +** *Installer code (default: **747474**)* **+ [7]**
2) The [ENTER] and [2ND] keys will flash to indicate you are in programming mode
3) Enter **2-digit section** (00-67)
4) The [ENTER] key will remain on while the [2ND] key will be off
5) Enter **8-digit data** to program the section
6) The keypad will "beep" to indicate that the section has been programmed, data is saved and the software has advanced to the next section
7) Return to **step 4** or press **[CLEAR]** to exit programming mode

INSTALLER CODE (Default 747474)

Full access to programming, except user access codes. No access to arming/disarming. Use only numeric keys from **[1]** to **[10]**. (key **[10]** = 0)

PANEL ANSWER OPTIONS

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

If only one central station phone number is used, program the same number for telephone number 1 and 2. **If only one account number is required, the same number must be entered for both account "A" and "B".** (No Default)

[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) **A** __ / __ / __ / __ (5 6 7 8) **B**

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

Streamline section	Data	Description	Address
09	[2ND]/[2ND]	Future use	036
	[2ND]/___	1st digit: value must be entered i.e. [2ND] 2nd digit: time correction (See table)	037
	___/___	1st digit: telephone 1 format 2nd digit: telephone 2 format	038
	___/___	1st digit: PGM1 type 2nd digit: PGM2 type	039
10	___/___	PGM 1	040
	___/___	PGM2	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)

*= 4-Digit Codes Only

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

If CONTACT I.D. format (all codes) is selected, addresses 300 to 527 (sections 11- 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
11	___/___	Auto / Esploud	**300**
	___/___	Master	**301**
	___/___	User code 1	**302**
	___/___	User code 2	**303**
12	___/___	User code 3	**304**
	___/___	User code 4	**305**
	___/___	User code 5	**306**
	___/___	User code 6	**307**
13	___/___	User code 7	**308**
	___/___	User code 8	**309**
	___/___	User code 9	**310**
	___/___	User code 10	**311**
14	___/___	User code 11	**312**
	___/___	User code 12	**313**
	___/___	User code 13	**314**
	___/___	User code 14	**315**
15	___/___	User code 15	**316**
	___/___	User code 16	**317**
	___/___	User code 17	**318**
	___/___	User code 18	**319**
16	___/___	User code 19	**320**
	___/___	User code 20	**321**
	___/___	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**
18	___/___	User code 27	**328**
	___/___	User code 28	**329**
	___/___	User code 29	**330**
	___/___	User code 30	**331**
19	___/___	User code 31	**332**
	___/___	User code 32	**333**
	___/___	User code 33	**334**
	___/___	User code 34	**335**
20	___/___	User code 35	**336**
	___/___	User code 36	**337**
	___/___	User code 37	**338**
	___/___	User code 38	**339**
21	___/___	User code 39	**340**
	___/___	User code 40	**341**
	___/___	User code 41	**342**
	___/___	User code 42	**343**
22	___/___	User code 43	**344**
	___/___	User code 44	**345**
	___/___	User code 45	**346**
	___/___	User code 46	**347**
23	___/___	User code 47	**348**
	___/___	User code 48 / (Duress)	**349**

See next page

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

DISARMING (opening) **CODES:**

Streamline section	Data	Description	Address
	→ *See previous page*		
23	___/___	Esploit	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
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 ZONES 1 TO 14:

Streamline section	Data	Description	Address
36	___/___	Zone 1	400
	___/___	Zone 2	401
	___/___	Zone 3 ***(fire add. 100)***	402
	___/___	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
39	___/___	Zone 13 (Kpd zone 1)	412
	___/___	Zone 14 (Kpd zone 2)	413
	[2ND]/[2ND]	Future Use	414
	[2ND]/[2ND]	Future Use	415

Addresses **414-423** reserved for future use.

ZONES 1 TO 14 RESTORE CODES:

Streamline section	Data	Description	Address
42	___/___	Zone 1	424
	___/___	Zone 2	425
	___/___	Zone 3 ***(fire add. 100)***	426
	___/___	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
45	___/___	Zone 13 (Kpd zone 1)	436
	___/___	Zone 14 (Kpd zone 2)	437
	[2ND]/[2ND]	Future Use	438
	[2ND]/[2ND]	Future Use	439

Addresses **438-447** reserved for future use

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

ZONES 1 TO 14 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
51	___/___	Zone 13 (Kpd zone 1)	460
	___/___	Zone 14 (Kpd zone 2)	461
	[2ND]/[2ND]	Future Use	462
	[2ND]/[2ND]	Future Use	463

Addresses **462-471** reserved for future use

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

Addresses **484-495** reserved for future use

TROUBLE CODES:

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

TROUBLE RESTORE CODES:

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

SPECIAL CODES:

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

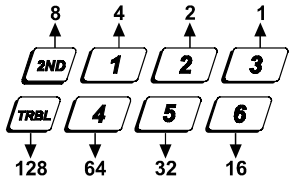
DECIMAL PROGRAMMING

1) Press **[ENTER] +** *Installer Code (default: **747474**)*
2) The [ENTER] key will flash to indicate you are in programming mode
3) Enter **3-digit address** (044-061)
4) The keypad will now display the current 3-digit data currently saved at this address as described in figure 3
5) Enter **3-digit data** (000-255) value; after entering data you do not need to press **[ENTER]**, the software will automatically save the data into the selected address
6) Return to **step 2** or press **[CLEAR]** to exit programming mode

FIGURE 3

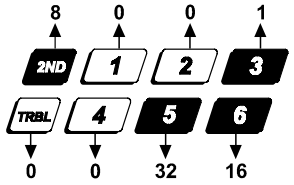
DECIMAL DISPLAY FOR LED KEYPADS

Note: LCD keypads will display current data on the screen.



Each key in the first 2 rows of the keypad represents a specific value when the key is lit, as shown above. When the key isn't lit, the key represents 0. Add the values of the lit keys to obtain the entered data value as shown in the example below.

Example



Therefore 8 + 1 + 32 + 16 = 057

044: ___/___/___ (hours) Auto arm time (between "000" and "023")

045: ___/___/___ (minutes) Auto arm time (between "000" and "059")

046: ___/___/___ (days) Auto test report every ? days (between "001" and "255") (000 = disabled)

047: ___/___/___ (hours) Auto test report (between "000" and "023")

048: ___/___/___ (minutes) Auto test report (between "000" and "059")

049: ___/___/___ (seconds) Exit delay *(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: ___/___/___ Future Use

FEATURE SELECT PROGRAMMING

Addresses 062 to 126 are programmed using the Feature Select Programming method. In this method, every key on the keypad in each address represents an option or feature. Pressing a key will display it on the keypad and pressing it again will extinguish the key. The On/Off status of each key determines the selected feature. To program using the Feature Select Programming method:

1) Press **[ENTER]** + *Installer Code (default: **747474**)*
2) The [ENTER] key will flash to indicate you are in programming mode
3) Enter **3-digit address** (062-126)
4) After entering the address, the keypad will display the feature selection status. Turn the keys On/Off by pressing the appropriate key until the desired options are set. Then press the **[ENTER]** key to accept, there will be a confirmation "beep" indicating the options have been accepted. The [ENTER] key will flash to indicate that the software is awaiting the next address entry
5) Return to **step 3** to continue programming or press **[CLEAR]** to exit programming mode

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

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]	KEY [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**)

REPORTING OPTIONS

Address 086, Key [11] [12]

KEY [11]	KEY [12]	TYPE	DIALING SEQUENCE (tel. No.)
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)

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

TAMPER / WIRE FAULT DEFINITIONS

Address 088, Key [10] [11]

SYSTEM ARMED	KEY [10]	KEY [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

ZONE DEFINITION: *(reset = "OFF")*																
KEY SELECT:	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]		[1]	[2]
	1	2	3	4	5	6	7	8	9	10	11	12		13	14
Intellizone = ON **092**	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	**094**	☐	☐
	1	2	3	4	5	6	7	8	9	10	11	12		13	14
Silent = ON **096**	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	**098**	☐	☐
	1	2	3 🔥	4	5	6	7	8	9	10	11	12		13	14
24HR./Fire = ON **100**	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	**102**	☐	☐
🔥 When zone 3 is defined "24 Hour" it becomes a fire zone															
	1	2	3	4	5	6	7	8	9	10	11	12		13	14
Instant = ON **104**	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	**106**	☐	☐
	1	2	3	4	5	6	7	8	9	10	11	12		13	14
Follow = ON **108**	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	**110**	☐	☐
	1	2	3	4	5	6	7	8	9	10	11	12		13	14
Delay 2 = ON **112**	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	**114**	☐	☐
System A / STAY															
If ON, zone is armed on stay or "system A" arming **116**	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐	6 ☐	7 ☐	8 ☐	9 ☐	10 ☐	11 ☐	12 ☐	**118**	13 ☐	14 ☐
System B															
If ON, zone is armed in "system B" arming **120**	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐	6 ☐	7 ☐	8 ☐	9 ☐	10 ☐	11 ☐	12 ☐	**122**	13 ☐	14 ☐
	1	2	3	4	5	6	7	8	9	10	11	12		13	14
Bypass enable = ON **124**	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	**126**	☐	☐

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 Esploud 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 Esploud** *(all 3 codes)*
This feature is available when using the ADP-1 adapter. In Esploud, "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 Esploud)*
Until next reportable event *(installer code - all communications)*

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

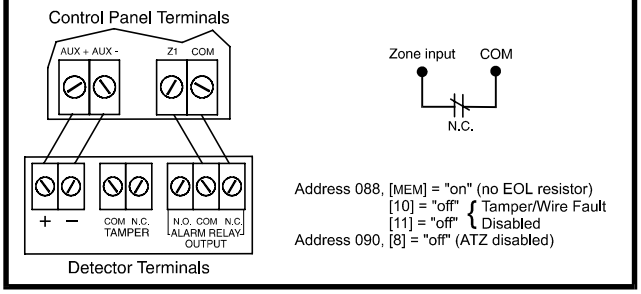
CONNECTION DIAGRAMS

The system hardware will recognize the following zone conditions:

SINGLE ZONE CONNECTIONS

N.C. Contacts, Without EOL Resistor

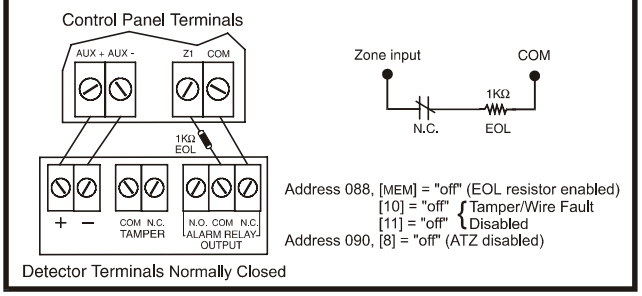
FIGURE 4



Address 088, [MEM] = "on" (no EOL resistor)
[10] = "off" } Tamper/Wire Fault
[11] = "off" } Disabled
Address 090, [8] = "off" (ATZ disabled)

N.C. Contacts, With EOL Resistor (UL)

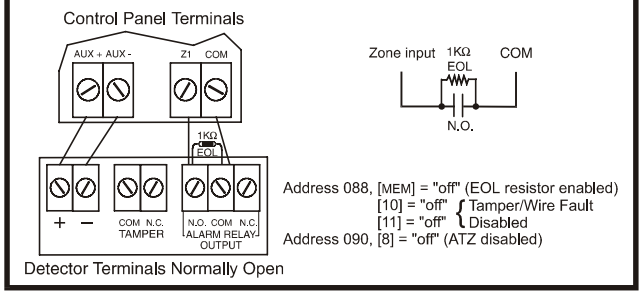
FIGURE 5



Address 088, [MEM] = "off" (EOL resistor enabled)
[10] = "off" } Tamper/Wire Fault
[11] = "off" } Disabled
Address 090, [8] = "off" (ATZ disabled)

N.O. Contacts, With EOL Resistor (UL)

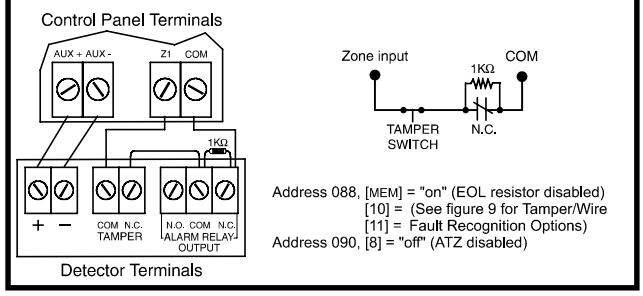
FIGURE 6



Address 088, [MEM] = "off" (EOL resistor enabled)
[10] = "off" } Tamper/Wire Fault
[11] = "off" } Disabled
Address 090, [8] = "off" (ATZ disabled)

N.C Contacts, Without EOL Resistor, With Tamper Recognition

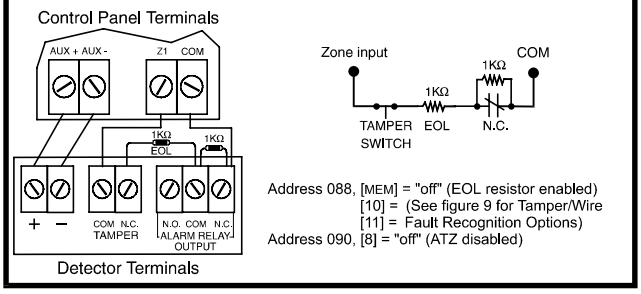
FIGURE 7



Address 088, [MEM] = "on" (EOL resistor disabled)
[10] = (See figure 9 for Tamper/Wire
[11] = Fault Recognition Options)
Address 090, [8] = "off" (ATZ disabled)

N.C. Contacts, With EOL Resistor, With Tamper and Wire Fault Recognition (UL)

FIGURE 8



Address 088, [MEM] = "off" (EOL resistor enabled)
[10] = (See figure 9 for Tamper/Wire
[11] = Fault Recognition Options)
Address 090, [8] = "off" (ATZ disabled)

FIGURE 9

TAMPER / WIRE FAULT DEFINITIONS

Address 088, Key [10] [11]

SYSTEM ARMED	KEY [10]	KEY [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.

KEYPAD ZONE CONNECTION DIAGRAMS

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

FIGURE 14

ONE KEYPAD / ONE ZONE

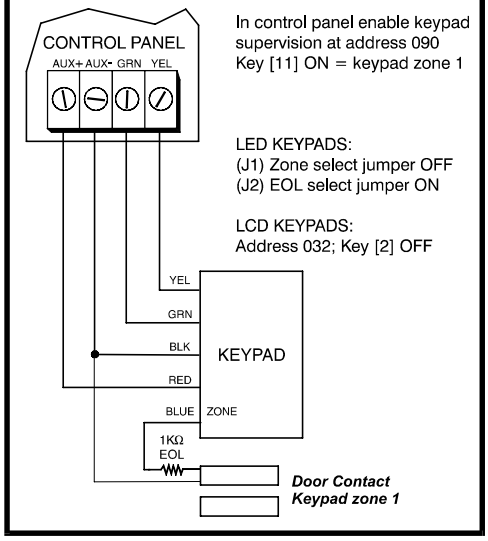
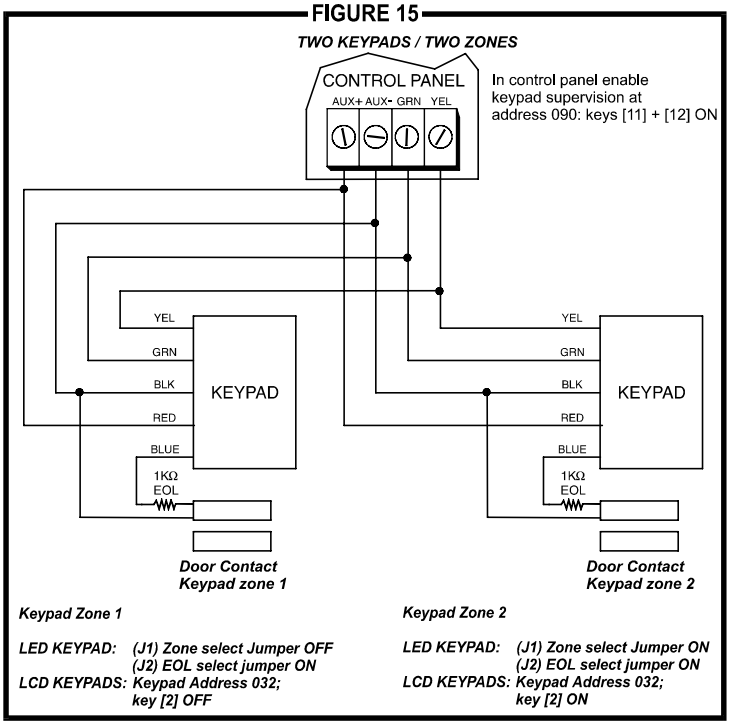


FIGURE 15

TWO KEYPADS / TWO ZONES



Keypad Zone 1

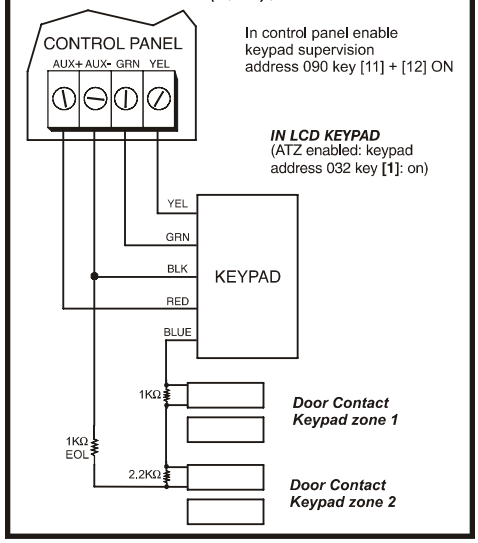
LED KEYPAD: (J1) Zone select Jumper OFF
(J2) EOL select jumper ON
LCD KEYPADS: Keypad Address 032;
key [2] OFF

Keypad Zone 2

LED KEYPAD: (J1) Zone select Jumper ON
(J2) EOL select jumper ON
LCD KEYPADS: Keypad Address 032;
key [2] ON

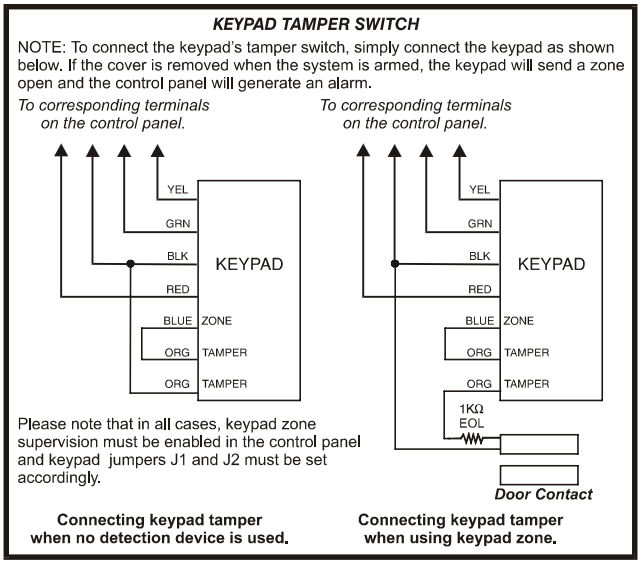
FIGURE 16

639 LCD KEYPAD
ONE KEYPAD (W/ATZ) / TWO ZONES



KEYPAD TAMPER SWITCH

NOTE: To connect the keypad's tamper switch, simply connect the keypad as shown below. If the cover is removed when the system is armed, the keypad will send a zone open and the control panel will generate an alarm.



Please note that in all cases, keypad zone supervision must be enabled in the control panel and keypad jumpers J1 and J2 must be set accordingly.

Connecting keypad tamper when no detection device is used.

Connecting keypad tamper when using keypad zone.

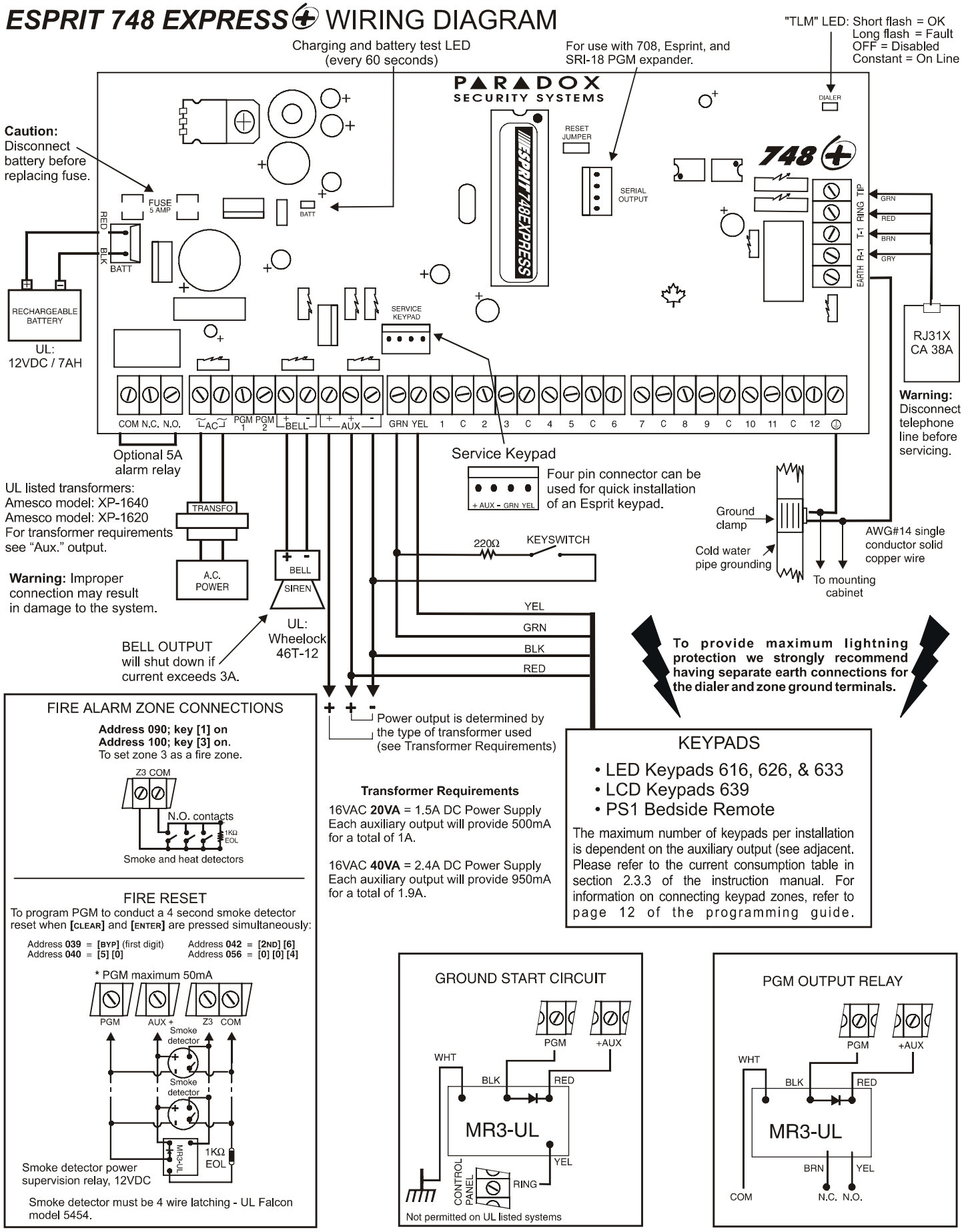
Keypad Zone Recognition

Kpd Zone 1 = Zone [13]
Kpd Zone 2 = Zone [14]

If using an LED keypad simply set the Zone Select Jumper at the back of the keypad:
Zone Select Jumper "OFF" = Keypad Zone 1
Zone Select Jumper "ON" = Keypad Zone 2
Note: If the zone select jumper is changed, the control panel will only recognize the change when the keypad is disconnected and re-connected.

If using an LCD keypad program the keypad definition as follows:
LCD Keypad Address 032; Key [2] "OFF" = Keypad Zone 1
LCD Keypad Address 032; Key [2] "ON" = Keypad Zone 2

ESPRIT 748 EXPRESS+ WIRING DIAGRAM



FIRE ALARM ZONE CONNECTIONS

Address 090; key [1] on
Address 100; key [3] on.
To set zone 3 as a fire zone.

Smoke and heat detectors

FIRE RESET

To program PGM to conduct a 4 second smoke detector reset when **[CLEAR]** and **[ENTER]** are pressed simultaneously:

Address **039** = **[BYP]** (first digit) Address **042** = **[2ND] [6]**
Address **040** = **[5] [0]** Address **056** = **[0] [0] [4]**

Smoke detector power supervision relay, 12VDC

Smoke detector must be 4 wire latching - UL Falcon model 5454.

Transformer Requirements

16VAC **20VA** = 1.5A DC Power Supply
Each auxiliary output will provide 500mA for a total of 1A.

16VAC **40VA** = 2.4A DC Power Supply
Each auxiliary output will provide 950mA for a total of 1.9A.

KEYPADS

- LED Keypads 616, 626, & 633
- LCD Keypads 639
- PS1 Bedside Remote

The maximum number of keypads per installation is dependent on the auxiliary output (see adjacent. Please refer to the current consumption table in section 2.3.3 of the instruction manual. For information on connecting keypad zones, refer to page 12 of the programming guide.

GROUND START CIRCUIT

Not permitted on UL listed systems

PGM OUTPUT RELAY

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