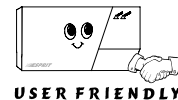


# ESPRIT 748ES PROGRAMMING GUIDE



SOFTWARE VERSION 3.10

## CONTROL PANEL RESET:

Installer lock must be unlocked.

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

### Power down reset

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

### KEYPAD TROUBLE DISPLAY

Key "ON" =

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

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

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

## HEXA PROGRAMMING:

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

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

**Dialer circuit is patent pending.**

### HEXA DISPLAY

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



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

No display = SKIP (empty)

10 = [0] = [A]

Value of  
2<sup>ND</sup> digit = 10  
(8 + 2 = 10)

Value of  
1<sup>ST</sup> 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 **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
00	___/___	Installer code (1st, 2nd digit)	000
	___/___	Installer code (3rd, 4th digit)	001
	___/___	Installer code (5th, 6th digit)	002
	___/___	Panel answer options	003
		Number of rings (Max. 15)	

### ANSWERING MACHINE OVERRIDE

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

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

**TELEPHONE AND ACCOUNT NUMBERS:** (reset empty)

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

- |                       |   |
|-----------------------|---|
| [10] = the number "0" | [BYP] = switch from pulse to tone while dialing |
| [11] = *              | [MEM] = pause 4 seconds                         |
| [12] = #              | [TRBL] = end of number                          |

**COMPUTER TELEPHONE NUMBER:** (View at addresses 008 to 015.)

Streamline section

02 \_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_  
 1 2 3 4 5 6 7 8

Streamline section

03 \_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_  
 9 10 11 12 13 14 15 16

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

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

Streamline section

04 \_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_  
 1 2 3 4 5 6 7 8

Streamline section

05 \_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_  
 9 10 11 12 13 14 15 16

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

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

Streamline section

06 \_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_  
 1 2 3 4 5 6 7 8

Streamline section

07 \_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_/\_\_\_  
 9 10 11 12 13 14 15 16

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

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

Streamline section

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

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

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

Streamline section	Data	Description	Address
09	[2ND]/[2ND] [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	040
10	___/___	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)	[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
<b>11</b>	___/___	Auto / Espload	<b>300</b>	<b>18</b>	___/___	User code 27	<b>328</b>
	___/___	Master	<b>301</b>		___/___	User code 28	<b>329</b>
	___/___	User code 1	<b>302</b>		___/___	User code 29	<b>330</b>
	___/___	User code 2	<b>303</b>		___/___	User code 30	<b>331</b>
<b>12</b>	___/___	User code 3	<b>304</b>	<b>19</b>	___/___	User code 31	<b>332</b>
	___/___	User code 4	<b>305</b>		___/___	User code 32	<b>333</b>
	___/___	User code 5	<b>306</b>		___/___	User code 33	<b>334</b>
	___/___	User code 6	<b>307</b>		___/___	User code 34	<b>335</b>
<b>13</b>	___/___	User code 7	<b>308</b>	<b>20</b>	___/___	User code 35	<b>336</b>
	___/___	User code 8	<b>309</b>		___/___	User code 36	<b>337</b>
	___/___	User code 9	<b>310</b>		___/___	User code 37	<b>338</b>
	___/___	User code 10	<b>311</b>		___/___	User code 38	<b>339</b>
<b>14</b>	___/___	User code 11	<b>312</b>	<b>21</b>	___/___	User code 39	<b>340</b>
	___/___	User code 12	<b>313</b>		___/___	User code 40	<b>341</b>
	___/___	User code 13	<b>314</b>		___/___	User code 41	<b>342</b>
	___/___	User code 14	<b>315</b>		___/___	User code 42	<b>343</b>
<b>15</b>	___/___	User code 15	<b>316</b>	<b>22</b>	___/___	User code 43	<b>344</b>
	___/___	User code 16	<b>317</b>		___/___	User code 44	<b>345</b>
	___/___	User code 17	<b>318</b>		___/___	User code 45	<b>346</b>
	___/___	User code 18	<b>319</b>		___/___	User code 46	<b>347</b>
<b>16</b>	___/___	User code 19	<b>320</b>	<b>23</b>	___/___	User code 47	<b>348</b>
	___/___	User code 20	<b>321</b>		___/___	User code 48 /	<b>349</b>
	___/___	User code 21	<b>322</b>			(Duress)	
	___/___	User code 22	<b>323</b>				
<b>17</b>	___/___	User code 23	<b>324</b>				
	___/___	User code 24	<b>325</b>				
	___/___	User code 25	<b>326</b>				
	___/___	User code 26	<b>327</b>				

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

## ALARM CODES ZONE 1 TO 12:

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

## ALARM CODES ZONE 13 TO 24:

Streamline section	Data	Description	Address
<b>39</b>	___/___	Zone 13 <i>Keypad 1</i>	<b>412</b>
	___/___	Zone 14 <i>Keypad 2</i>	<b>413</b>
	___/___	Zone 15	<b>414</b>
	___/___	Zone 16	<b>415</b>
<b>40</b>	___/___	Zone 17	<b>416</b>
	___/___	Zone 18	<b>417</b>
	___/___	Zone 19	<b>418</b>
	___/___	Zone 20	<b>419</b>
<b>41</b>	___/___	Zone 21	<b>420</b>
	___/___	Zone 22	<b>421</b>
	___/___	Zone 23	<b>422</b>
	___/___	Zone 24	<b>423</b>

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

## ZONE 1 TO 12 RESTORE CODES:

Streamline section	Data	Description	Address
<b>42</b>	___/___	Zone 1	424
	___/___	Zone 2	425
	___/___	Zone 3 <i>(fire)</i>	426 <i>(see add. 100)</i>
	___/___	Zone 4	427
<b>43</b>	___/___	Zone 5	428
	___/___	Zone 6	429
	___/___	Zone 7	430
	___/___	Zone 8	431
<b>44</b>	___/___	Zone 9	432
	___/___	Zone 10	433
	___/___	Zone 11	434
	___/___	Zone 12	435

## ZONE 13 TO 24 RESTORE CODES:

Streamline section	Data	Description	Address
<b>45</b>	___/___	Zone 13 <i>Keypad 1</i>	436
	___/___	Zone 14 <i>Keypad 2</i>	437
	___/___	Zone 15	438
	___/___	Zone 16	439
<b>46</b>	___/___	Zone 17	440
	___/___	Zone 18	441
	___/___	Zone 19	442
	___/___	Zone 20	443
<b>47</b>	___/___	Zone 21	444
	___/___	Zone 22	445
	___/___	Zone 23	446
	___/___	Zone 24	447

## ZONE 1 TO 12 SHUTDOWN CODES:

Streamline section	Data	Description	Address
<b>48</b>	___/___	Zone 1	448
	___/___	Zone 2	449
	___/___	Zone 3	450
	___/___	Zone 4	451
<b>49</b>	___/___	Zone 5	452
	___/___	Zone 6	453
	___/___	Zone 7	454
	___/___	Zone 8	455
<b>50</b>	___/___	Zone 9	456
	___/___	Zone 10	457
	___/___	Zone 11	458
	___/___	Zone 12	459

## ZONE 13 TO 24 SHUTDOWN CODES:

Streamline section	Data	Description	Address
<b>51</b>	___/___	Zone 13 <i>Keypad 1</i>	460
	___/___	Zone 14 <i>Keypad 2</i>	461
	___/___	Zone 15	462
	___/___	Zone 16	463
<b>52</b>	___/___	Zone 17	464
	___/___	Zone 18	465
	___/___	Zone 19	466
	___/___	Zone 20	467
<b>53</b>	___/___	Zone 21	468
	___/___	Zone 22	469
	___/___	Zone 23	470
	___/___	Zone 24	471

## TAMPER 1 TO 12 TROUBLE CODES:

Streamline section	Data	Description	Address
<b>54</b>	___/___	Tamper 1	472
	___/___	Tamper 2	473
	___/___	Tamper 3	474
	___/___	Tamper 4	475
<b>55</b>	___/___	Tamper 5	476
	___/___	Tamper 6	477
	___/___	Tamper 7	478
	___/___	Tamper 8	479
<b>56</b>	___/___	Tamper 9	480
	___/___	Tamper 10	481
	___/___	Tamper 11	482
	___/___	Tamper 12	483

## TAMPER 13 TO 24 TROUBLE CODES:

Streamline section	Data	Description	Address
<b>57</b>	___/___	Tamper 13	484
	___/___	Tamper 14	485
	___/___	Tamper 15	486
	___/___	Tamper 16	487
<b>58</b>	___/___	Tamper 17	488
	___/___	Tamper 18	489
	___/___	Tamper 19	490
	___/___	Tamper 20	491
<b>59</b>	___/___	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]															
<b>062:</b>	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"/>
<b>064:</b>	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"/>
<b>066:</b>	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"/>
<b>068:</b>	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"/>
<b>070:</b>	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"/>
<b>072:</b>	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"/>
<b>074:</b>	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"/>
<b>076:</b>	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"/>
<b>078:</b>	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 .....

PS1/Keyswitch = regular arm .....

PS1/keys switch 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"/>	stay arm / System A
<input type="checkbox"/>	[3]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[4]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[5]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[6]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[7]	<input type="checkbox"/>		<input type="checkbox"/>	Tone dialing (DTMF)
<input type="checkbox"/>	[8]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[9]	<input type="checkbox"/>		<input type="checkbox"/>	generates only a report
<input type="checkbox"/>	[10]	<input type="checkbox"/>		<input type="checkbox"/>	(1:1.5) Pulse USA
<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"/>	N/A
<input type="checkbox"/>	[MEM]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[TRBL]	<input type="checkbox"/>		<input type="checkbox"/>	enabled

## TELEPHONE LINE MONITOR

Address 086, Key [2ND] [1]

KEY		[2ND]	[1]	
OFF	OFF	<input type="checkbox"/>	<input type="checkbox"/>	TLM disabled
OFF	ON	<input type="checkbox"/>	<input type="checkbox"/>	TLM generates trouble only
ON	OFF	<input type="checkbox"/>	<input type="checkbox"/>	generates an alarm if armed
ON	ON	<input type="checkbox"/>	<input type="checkbox"/>	silent alarm becomes audible

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

## 088:

Automatic event buffer transmission .....

Panic 1 (keys [1] & [3], PS1) .....

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

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

Panic 1 silent (PS1) .....

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"/>	enabled
<input type="checkbox"/>	[1]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[2]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[3]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[4]	<input type="checkbox"/>		<input type="checkbox"/>	audible
<input type="checkbox"/>	[5]	<input type="checkbox"/>		<input type="checkbox"/>	audible
<input type="checkbox"/>	[6]	<input type="checkbox"/>		<input type="checkbox"/>	fire
<input type="checkbox"/>	[7]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[8]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[9]	<input type="checkbox"/>		<input type="checkbox"/>	4 digit
<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"/>	enabled
<input type="checkbox"/>	[BYP]	<input type="checkbox"/>		<input type="checkbox"/>	on zone closure
<input type="checkbox"/>	[MEM]	<input type="checkbox"/>		<input type="checkbox"/>	no EOL
<input type="checkbox"/>	[TRBL]	<input type="checkbox"/>		<input type="checkbox"/>	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)

## 090:

Exclude power failure from trouble display

N/A

Auto arm = regular arm .....

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"/>	enabled
<input type="checkbox"/>	[1]	<input type="checkbox"/>		<input type="checkbox"/>	N/A
<input type="checkbox"/>	[2]	<input type="checkbox"/>		<input type="checkbox"/>	stay / System A
<input type="checkbox"/>	[3]	<input type="checkbox"/>		<input type="checkbox"/>	N/A
<input type="checkbox"/>	[4]	<input type="checkbox"/>		<input type="checkbox"/>	N/A
<input type="checkbox"/>	[5]	<input type="checkbox"/>		<input type="checkbox"/>	N/A
<input type="checkbox"/>	[6]	<input type="checkbox"/>		<input type="checkbox"/>	tamper follows zone bypass definition
<input type="checkbox"/>	[7]	<input type="checkbox"/>		<input type="checkbox"/>	N/A
<input type="checkbox"/>	[8]	<input type="checkbox"/>		<input type="checkbox"/>	N/A
<input type="checkbox"/>	[9]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[10]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[11]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[12]	<input type="checkbox"/>		<input type="checkbox"/>	enabled
<input type="checkbox"/>	[BYP]	<input type="checkbox"/>		<input type="checkbox"/>	N/A
<input type="checkbox"/>	[MEM]	<input type="checkbox"/>		<input type="checkbox"/>	N/A
<input type="checkbox"/>	[TRBL]	<input type="checkbox"/>		<input type="checkbox"/>	N/A

## 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.

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]																									
<b>092</b>	1	2	3	4	5	6	7	8	9	10	11	12	<b>094</b>	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"/>	
<b>096</b>	1	2	3	4	5	6	7	8	9	10	11	12	<b>098</b>	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"/>	
<b>100</b>	1	2	3	4	5	6	7	8	9	10	11	12	<b>102</b>	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"/>	
When zone 3 is defined "24 Hour" it becomes a fire zone																									
<b>104</b>	1	2	3	4	5	6	7	8	9	10	11	12	<b>106</b>	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"/>	
<b>108</b>	1	2	3	4	5	6	7	8	9	10	11	12	<b>110</b>	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"/>	
<b>112</b>	1	2	3	4	5	6	7	8	9	10	11	12	<b>114</b>	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"/>	
If ON, zone is armed on	System A / STAY												System A / STAY												
<b>116</b>	1	2	3	4	5	6	7	8	9	10	11	12	<b>118</b>	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"/>	
If ON, zone is armed in split arming	System B												System B												
<b>120</b>	1	2	3	4	5	6	7	8	9	10	11	12	<b>122</b>	13	14	15	16	17	18	19	20	21	22	23	24
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>124</b>	1	2	3	4	5	6	7	8	9	10	11	12	<b>126</b>	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"/>	

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.

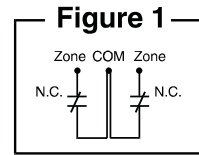
# ESPRIT 748ES CONNECTION DIAGRAMS

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

## SINGLE ZONE CONNECTIONS

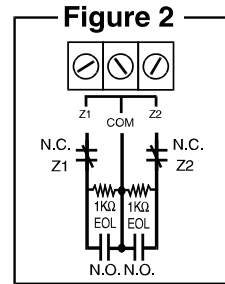
### **ZONE connection, without EOL resistor (N.C. contacts)**

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)**

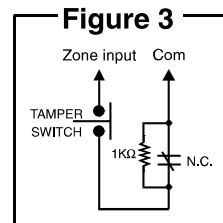
address **088**, key [MEM] = "off" (reset)  
 key [10] = "off" (reset)  
 key [11] = "off" (reset)  
 N.C. and/or N.O. contacts, see Figure 2



UL/ULC Configuration

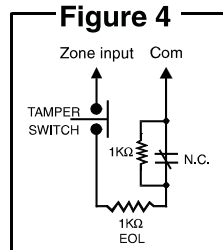
### **ZONE connection, without EOL resistor, with tamper recognition (N.C. contacts)**

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



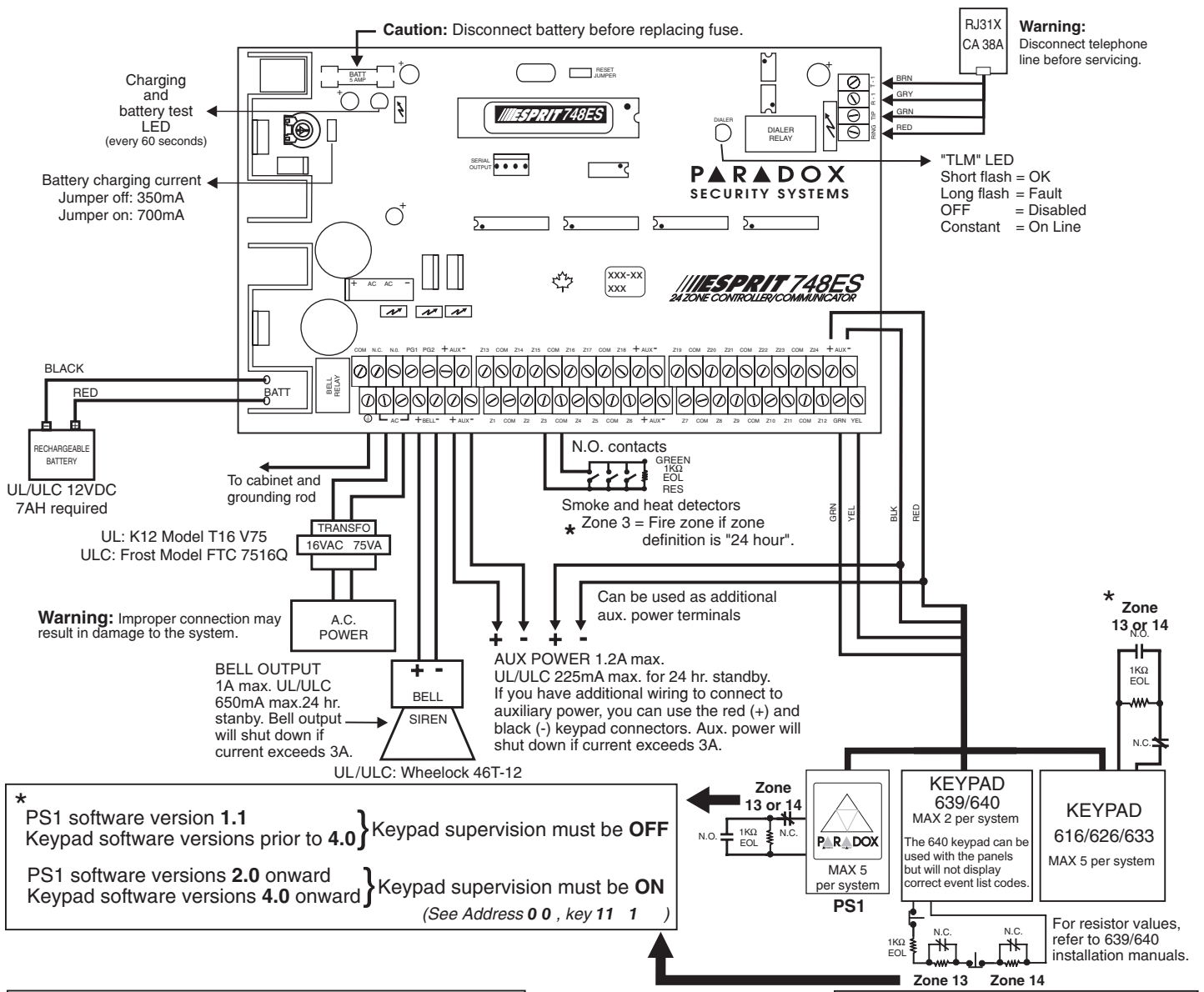
### **ZONE connection, with EOL resistor, with tamper recognition, and with wire fault (short circuit) recognition (N.C. contacts)**

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



UL/ULC Configuration

# ESPRIT 748ES WIRING DIAGRAM



\* 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 00, key 11 1)

**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]

