# ||||ESPRIT 738 PROGRAMMING GUIDE

**USER FRIENDLY**

**SOFTWARE VERSIONS 0.96/0.97**

## BENCH TEST

Refer to Connection (Wiring) Diagram.

Note: **[ ]** indicates keypad key i.e. **[2]**, **[ENTER]**, **[CLEAR]**, **[MEM].**
   Shaded addresses are not applicable. Any values must be entered i.e. [2ND].

1. To set zones in non-alarm state (keypad zone lights off), install **green** (1K OHM) resistors across zone terminals.

2. Connect keypad. Install **green** (1K OHM) resistor across keypad zone.

3. Connect sounder or install **green** (1K OHM) resistor across "BELL" terminal.

4. Connect AC, connect battery.

5. **[TRBL]** key illuminates, due to timer loss. Push **[TRBL]** to view trouble conditions, (see Keypad Trouble Display).

6. All keypad lights should be off and keypad should respond to Master code arming and disarming.

7. Master Code: *default 474747.*

8. Keypad Programming *(default installer code 747474).*

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### HEXA PROGRAMMING

*(Used to program "Access to Upload/Download" and "Installer Code")*
*All digits from 0 to F are valid. (See Interpreting Hexa Values)*

*Programming values are programmed into memory locations from address **000** to **007**.*

   *1) Press **[ENTER]** + installer code (default 747474)*
   *2) Key **[ENTER]** will flash (programming mode)*
   *3) Enter 3 digit memory address*
   *4) Enter 2 digit data (See Hexa Display to read value)*
   *5) To erase, press **[CLEAR]**. To save press **[ENTER]***
   *6) Go to step 3 for next address*

   *To exit programming mode press **[CLEAR]***

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### ACCESS TO UPLOAD/DOWNLOAD:

**000:** [2ND]/__ Number of rings before answer *(default **8** rings)*
Enter "**[2ND][2ND]**" panel will not answer**.**

### PANEL IDENTIFIER *(default code "empty")*

**001:** __/__      **002:** __/__

### PC PASSWORD *(default code "empty")*

**003:** __/__      **004:** __/__

### INSTALLER CODE: *(default code 747474)*
Full access to programming,(all addresses except **008-058**)
No access to arming/disarming and access code programming
(can be used to modify installer code)

**Important:** Use only numeric keys from **[1]** to **[10]** (key **[10]** = 0) to enter installer code.

**005:** __/__      **006:** __/__      **007:** __/__

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### KEYPAD TROUBLE DISPLAY

Key **"ON"** =

| | |
|---|---|
| **[1]** No battery/low voltage | **[7]** Communicator report failure |
| **[3]** AC 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.

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### INTERPRETING HEXA VALUES

| KEY | HEXA VALUE | DECIMAL VALUE |
|---|---|---|
| **[1] - [9]** | 1 - 9 | 1 - 9 |
| **[10]** | A | 0 |
| **[11]** | B | 11 |
| **[12]** | C | 12 |
| **[BYP]** | D | 13 |
| **[MEM]** | E | 14 |
| **[TRBL]** | F | 15 |
| **[2ND]** | skip, null, not programmed | |

**[2ND] = SKIP**

| | | | |
|---|---|---|---|
| **2ND** | **1** | **2** | **3** |
| **TRBL** | **4** | **5** | **6** |
| **MEM** | **7** | **8** | **9** |
| **BYP** | **10** | **11 STAY** | **12 AWAY** |

**[F]** → TRBL
**[E]** → MEM
**[D]** → BYP
← **[0] - [9]**

**[A]**   **[B]**   **[C]**

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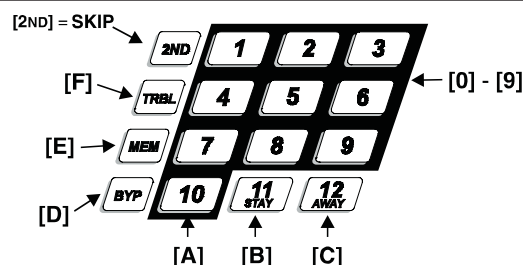
### HEXA DISPLAY

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 = "**30**"

No light = **0**

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## *STREAMLINED (SECTION) HEXA PROGRAMMING*

*(Used to program sections 00 to 34)*

**To begin programming**
*Press [ENTER] + installer code + [2] [7] ([ENTER] and [2ND] keys will flash)*
*Enter 2 digit section number for programming (00 - 34) ([ENTER] key is "steady" and [2ND] key is "off")*
*Enter 8 digit to program the section. Keypad will beep verifying completion of section programming. Data is saved and the next section is advanced to automatically for programming.*

*To select a specific section press [CLEAR] or [ENTER].    ([ENTER] and [2ND] keys will flash).*
*Enter 2 digit section number (00-34). ([ENTER] key is "steady" and [2ND] key is "off").*

*To exit programming mode press [CLEAR].*

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**TELEPHONE AND ACCOUNT NUMBERS:** *(default **empty**)*
**[TRBL]** must end the phone number if less than 16 digits are programmed.

> *If only one central station phone number is used, the same number must be programmed for telephone number 1 and 2.*

Special instructions can be entered in the telephone numbers using the following keys:

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

**Streamlined (section) programming = [ENTER] + installer + [2], [7]**

**COMPUTER TELEPHONE NUMBER:** (View at addresses **060** to **067**.)

**00** __ / __ / __ / __ / __ / __ / __ / __ **01** __ / __ / __ / __ / __ / __ / __ / __
   1   2   3   4   5   6   7   8     9  10  11  12  13  14  15  16

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

**CENTRAL STATION TELEPHONE NUMBER 1:** (View at addresses **068** to **075**.)

**02** __ / __ / __ / __ / __ / __ / __ / __ **03** __ / __ / __ / __ / __ / __ / __ / __
   1   2   3   4   5   6   7   8     9  10  11  12  13  14  15  16

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

**CENTRAL STATION TELEPHONE NUMBER 2:** (View at addresses **076** to **083**.)

**04** __ / __ / __ / __ / __ / __ / __ / __ **05** __ / __ / __ / __ / __ / __ / __ / __
   1   2   3   4   5   6   7   8     9  10  11  12  13  14  15  16

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

**ACCOUNT "A" AND "B":** (View at addresses **084** to **087**.)

**06** __ / __ / __ / __      __ / __ / __ / __
    1   2   3   4      5   6   7   8
       **A**          **B**

For 3 digit account number, 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".**

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

All digits from **[1]**-**[F]** are valid.   **[2ND]** (SKIP) = digit is not reported.

Streamlined (section) programming: **[ENTER]** + installer code + **[2]**, **[7]**.

> **IMPORTANT:**  If the **ONLY** reporting format selected at address **194** is "contact I.D."  (key **[10]** - all codes), there is no need to program any values for addresses **088** - **193**. (See Contact I.D. Format, page 5)

ARMING (closing) CODES:

| Streamline section | Data | Description | Address |
|---|---|---|---|
| **07** | __/__ | User code 1 | **088** |
| | __/__ | User code 2 | **089** |
| | __/__ | User code 3 | **090** |
| | __/__ | User code 4 | **091** |
| **08** | __/__ | User code 5 | **092** |
| | __/__ | User code 6 | **093** |
| | __/__ | User code 7 | **094** |
| | __/__ | User code 8 | **095** |
| **09** | __/__ | User code 9 | **096** |
| | __/__ | User code 10 | **097** |
| | __/__ | User code 11 | **098** |
| | __/__ | User code 12 | **099** |
| **10** | __/__ | User code 13 | **100** |
| | __/__ | User code 14 | **101** |
| | __/__ | User code 15 | **102** |
| | __/__ | User code 16 | **103** |

DISARMING (opening) CODES:

| Streamline section | Data | Description | Address |
|---|---|---|---|
| **11** | __/__ | User code 1 | **104** |
| | __/__ | User code 2 | **105** |
| | __/__ | User code 3 | **106** |
| | __/__ | User code 4 | **107** |
| **12** | __/__ | User code 5 | **108** |
| | __/__ | User code 6 | **109** |
| | __/__ | User code 7 | **110** |
| | __/__ | User code 8 | **111** |
| **13** | __/__ | User code 9 | **112** |
| | __/__ | User code 10 | **113** |
| | __/__ | User code 11 | **114** |
| | __/__ | User code 12 | **115** |
| **14** | __/__ | User code 13 | **116** |
| | __/__ | User code 14 | **117** |
| | __/__ | User code 15 | **118** |
| | __/__ | User code 16 | **119** |

ALARM CODES ZONE 1 TO 12:

| Streamline section | Data | Description | Address |
|---|---|---|---|
| **15** | __/__ | Zone 1 | **120** |
| | __/__ | Zone 2 | **121** |
| | __/__ | Zone 3 | **122** |
| | __/__ | Zone 4 | **123** |
| **16** | __/__ | Zone 5 | **124** |
| | __/__ | Zone 6 | **125** |
| | __/__ | Zone 7 | **126** |
| | __/__ | Zone 8 | **127** |
| **17** | __/__ | Zone 9 | **128** |
| | __/__ | Zone 10 | **129** |
| | __/__ | Zone 11 | **130** |
| | __/__ | Zone 12 | **131** |

ALARM CODES ZONE 13 TO 24:

| Streamline section | Data | Description | Address |
|---|---|---|---|
| **18** | __/__ | Zone 13 *KYPD 1* | **132** |
| | [2ND]/[2ND] | Zone 14 | **133** |
| | [2ND]/[2ND] | Zone 15 | **134** |
| | [2ND]/[2ND] | Zone 16 | **135** |
| **19** | [2ND]/[2ND] | Zone 17 | **136** |
| | [2ND]/[2ND] | Zone 18 | **137** |
| | __/__ | Zone 19 *KYPD 2* | **138** |
| | [2ND]/[2ND] | Zone 20 | **139** |
| **20** | [2ND]/[2ND] | Zone 21 | **140** |
| | [2ND]/[2ND] | Zone 22 | **141** |
| | [2ND]/[2ND] | Zone 23 | **142** |
| | [2ND]/[2ND] | Zone 24 | **143** |

In a partitioned system, zones 7 to 12 and zone 19 report with account "B" and are assigned to system "B".

For single digit reporting enter "skip" (**[2ND]**) as first digit.

**REPORTING CODES:** *(default code **"empty"**).*
All digits from **[1]**-**[F]** are valid.
**[2ND]** (SKIP) = digit is not reported.

Streamlined (section) programming: **[ENTER]** + installer code + **[2]**, **[7]**.

## ZONE 1 TO 12 RESTORE CODES:

| Streamline section | Data | Description | Address |
|---|---|---|---|
| **21** | __/__ | Zone 1 | **144** |
| | __/__ | Zone 2 | **145** |
| | __/__ | Zone 3 | **146** |
| | __/__ | Zone 4 | **147** |
| **22** | __/__ | Zone 5 | **148** |
| | __/__ | Zone 6 | **149** |
| | __/__ | Zone 7 | **150** |
| | __/__ | Zone 8 | **151** |
| **23** | __/__ | Zone 9 | **152** |
| | __/__ | Zone 10 | **153** |
| | __/__ | Zone 11 | **154** |
| | __/__ | Zone 12 | **155** |

## ZONE 13 TO 24 RESTORE CODES:

| Streamline section | Data | Description | Address |
|---|---|---|---|
| **24** | __/__ | Zone 13 *KYPD 1* | **156** |
| | [2ND]/[2ND] | Zone 14 | **157** |
| | [2ND]/[2ND] | Zone 15 | **158** |
| | [2ND]/[2ND] | Zone 16 | **159** |
| **25** | [2ND]/[2ND] | Zone 17 | **160** |
| | [2ND]/[2ND] | Zone 18 | **161** |
| | __/__ | Zone 19 *KYPD 2* | **162** |
| | [2ND]/[2ND] | Zone 20 | **163** |
| **26** | [2ND]/[2ND] | Zone 21 | **164** |
| | [2ND]/[2ND] | Zone 22 | **165** |
| | [2ND]/[2ND] | Zone 23 | **166** |
| | [2ND]/[2ND] | Zone 24 | **167** |

In a partitioned system, zones 7 to 12 and zone 19 report with account "B" and are assigned to system "B".

## TROUBLE CODES:

| Streamline section | Data | Description | Address |
|---|---|---|---|
| **27** | __/__ | Ma imum au iliary current | **168** |
| | __/__ | Bell disconnect / ma . ell current | **169** |
| | __/__ | Battery disconnected / low voltage | **170** |
| | __/__ | No AC / low AC | **171** |
| **28** | __/__ | Program change | **172** |
| | __/__ | Timer loss | **173** |
| | __/__ | Fire loop trou le | **174** |
| | __/__ | Test report | **175** |

## TROUBLE RESTORE CODES:

| Streamline section | Data | Description | Address |
|---|---|---|---|
| **29** | __/__ | Ma imum au iliary current | **176** |
| | __/__ | Bell disconnect | **177** |
| | __/__ | Battery disconnected / low voltage | **178** |
| | __/__ | No AC / low AC | **179** |
| **30** | __/__ | Tamper / wiring fault | **180** |
| | __/__ | Timer programmed | **181** |
| | __/__ | Fire loop trou le | **182** |
| | __/__ | TLM trou le restore | **183** |

For single digit reporting enter "skip" (**[2ND]**) as first digit.

**REPORTING CODES:** *(default code "empty").*
All digits from **[1]**-**[F]** are valid.
**[2ND]** (SKIP) = digit is not reported.

Streamlined (section) programming: **[ENTER]** + Installer code + **[2]**, **[7]**.
SPECIAL CODES - FORMATS - PGM:

| Streamline section | Data | Description | Address |
|---|---|---|---|
| **31** | __/__ | Panic 1 | **184** |
| | __/__ | Panic 2 | **185** |
| | __/__ | Panic 3 | **186** |
| | __/__ | Partial arming | **187** |
| **32** | __/__ | Auto / Espload arm | **188** |
| | __/__ | Arm with master code | **189** |
| | __/__ | No movement / late to close | **190** |
| | __/[2ND] | Tamper on zones 1-6 | **191** |
| | | 2nd digit: any value must e entered i.e. [2ND] | |
| **33** | __/__ | Disarm with Espload | **192** |
| | __/__ | Disarm with master code | **193** |
| | __/__ | 1st digit: telephone 1 format | **194** |
| | | 2nd digit: telephone 2 format | |
| | __/__ | 1st digit: PGM 1 **TYPE** | **195** |
| | | 2nd digit: PGM 2 **TYPE** | |
| **34** | __/__ | PGM 1 (1st and 2nd digit) | **196** |
| | __/__ | PGM 2 (1st and 2nd digit) | **197** |
| | __/__ | PGM 1 (3rd and 4th digit) | **198** |
| | __/__ | PGM 2 (3rd and 4th digit) | **199** |

## CONTACT I D FORMAT
Address 194 (section 33, key [9], [10])

If **CONTACT I.D. (ALL CODES)** is selected, (address **194**, key **[10]**), all addresses from **088** to **193** programmed or not, will report Contact I.D. event codes. (Refer to "Contact I.D. event code" list, Installation Manual.) Programming is not required for these addresses when **ONLY** this format is used.

If **CONTACT I.D. (SELECTED CODES** is chosen, (address **194**, key **[9]**), all addresses from **088** to **193** programmed with ANY VALUE except **[2ND] [2ND]** will report Contact I.D. event report codes. (Refer to "Contact I.D. event code" list, Installation Manual.)

*(Potential application: to report in Contact I.D. format to one central station number, and 4/2 format to the second. Use 4/2 format to program addresses. At address 194, select a 4/2 format for one telephone number, and Contact I.D. format for the second. The software will automatically convert the 4/2 codes to Contact I.D. codes when transmitting them to the second receiver.)*

## COMM NICATOR FORMAT
Address 194 (section 33)

| EY | |
|---|---|
| **[2ND]** | = ADEMCO slow (1400 z, 1900 z, 10 ps) |
| **[1]** | = (1400 z, 1800 z, 10 ps) |
| **[2]** | = SILENT KNIG T fast (1400 z, 1900 z, 20 ps) |
| **[3]** | = SESCOA (2300 z, 1800 z, 20 ps) |
| **[4]** | = RADIONICS (40 ps with 1400 z handshake) |
| **[5]** | = RADIONICS (40 ps with 2300 z handshake) |
| **[6]** | = RADIONICS with PARIT (1400 z, 40 ps) |
| **[7]** | = RADIONICS with PARIT (2300 z, 40 ps) |
| **[8]** | = ADEMCO e press |
| **[9]** | = ADEMCO contact ID (selected codes) |
| **[10]** | = ADEMCO contact ID (all codes) |
| **[TR L]** | = DTMF - no handshake (personal dialing) |

## IMPORTANT:
D

## PGM TYPE
Address 195 (section 33)

| EY | | | EY | | |
|---|---|---|---|---|---|
| **[2ND]** | : OR | | **[8]** | : OR | |
| **[1]** | : AND | Reg N.O. | **[9]** | : AND | Reg N.C. |
| **[2]** | : E UAL | | **[10]** | : E UAL | |
| **[4]** | : OR | | **[12]** | : OR | |
| **[5]** | : AND | Timed N.O. | **[ YP ]** | : AND | Timed N.C. |
| **[6]** | : E UAL | | **[MEM]** | : E UAL | |

(For timed PGM see also address **254**)

## TYPICAL PGM O TP TS
Addresses 196-199 (section 34)

| F NCTION | DESCRIPTION | TYPE | E A PROG dd e 196 197 | dd e 198 199 |
|---|---|---|---|---|
| Ground start Pulse (Timed N.O.) | Provides **3** pulse efore communication attempt | 5 | 5/2 | [2ND]/8 |
| Push key **[1]** and **[2]** (Regular N.O.) | Provides output when keys **[1]** and **[2]** are pressed simultaneously. | 1 | 5/8 | [2ND]/6 |
| System armed (Regular N.C.) | Output removed when system armed. | 9 | 2/B | [2ND]/8 |
| Stro e output (Regular N.O.) | Provides latching output on alarm, until disarmed. | 1 | 2/C | [2ND]/2 |
| Fail to communicate (Timed N.O.) | Provides output upon fail to communicate for **2** | 5 | 2/6 | [2ND]/4 |
| 2nd telephone line relay (Regular N.O.) | Provides output after one failed communication attempt. | [2ND] | 7/A | [2ND]/E |
| Kiss off (Timed N.O.) | Provides **3** output after signal received at monitoring station. | 5 | 7/D | [2ND]/8 |
| Time output (Timed N.O.) | Provides **3** output every day at 8PM. | 6 | 2/3 | 1/4 |
| Fire reset (Timed N.C.) | **[TR L ]** + **[11]** Provides **4** to reset detectors after alarm. | [BYP] | 5/3 | 2/[2ND] |
| T | **254** | | | |

Not permitted on UL listed systems

No movement for specified time or panel not armed at specified hour - see addresses **245**, **246**, **253**.

1st digit of zone tamper is reported with 2nd digit of zone 1-3 and 7-9 alarm codes - see addresses **120 - 131**.

# feature select (light on/off) programming

*Feature selection programming addresses 200 to 242. The "ON"/"OFF" status of the lights (keys) determines features selected.*

*1) Press [ENTER] + installer code (default 747474), [ENTER] key will flash.*
*2) Enter 3 digit memory address (200 to 242).*
*3) Press corresponding key to select option.*
*4) To change selection press key again.*
*5) To save press [ENTER].*
*6) Repeat steps 3 to 5 for addresses 200 to 242.*
*7) To exit programming mode press [CLEAR].*

Note: Default = "OFF" for addresses **200** to **242**

## CODE PRIORITY

| KEY SELECT: | [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] | [10] | [11] | [12] | [BYP] | [MEM] | [TRBL] | [2ND] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **200:** SYSTEM "A" / STAY | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | **13** ☐ | 14 ☐ | 15 ☐ | 16 ☐ |
| **202:** SYSTEM "B" / AWAY | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | **13** ☐ | 14 ☐ | 15 ☐ | 16 ☐ |
| **204:** Codes with bypass access | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | **13** ☐ | 14 ☐ | 15 ☐ | 16 ☐ |

### 206:

KEY — OFF / ON

| | | |
|---|---|---|
| See "**TLM**" Table | ☐ **[2ND]** ☐ | |
| | ☐ **[1]** ☐ | |
| PS1/Keyswitch = regular arm / (A + B) | ☐ **[2]** ☐ | stay arm / System A |
| PS1/keyswitch arming | ☐ **[3]** ☐ | enabled |
| Callback | ☐ **[4]** ☐ | enabled |
| Autoarm on time | ☐ **[5]** ☐ | enabled |
| Autoarm 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] ☐ | |
| Answering machine override | ☐ **[BYP]** ☐ | enabled |
| Bell squawk on arm/disarm | ☐ **[MEM]** ☐ | enabled |
| Autozone shut-down | ☐ **[TRBL]** ☐ | enabled |

**TLM TABLE** (TLM = Telephone Line Monitor)
Address 206, 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 **206**, key **[9]** has to be **OFF**)

**REPORTING TABLE**
Address 206, Key [11] [12]

| KEY [11] | [12] | TYPE | DIALING SEQUENCE (tel.No.) |
|---|---|---|---|
| OFF | OFF | Reporting disabled | |
| OFF | ON | Regular reporting | 2,1,2,1,2,1,2,1, 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 | 2,2,2,2,2,2,2,2, fail to comm., 1,1,1,1,1,1,1,1, fail to comm. |

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

### 208:

KEY — OFF / ON

| | | |
|---|---|---|
| Call PC when event list is full | ☐ **[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 / (A + B) | ☐ **[7]** ☐ | enabled |
| Key **[11]** stay or system A arm | ☐ **[8]** ☐ | enabled |
| 6 digit access codes | ☐ **[9]** ☐ | 4 digit |
| See "**Tamper/Wire Fault Definition**" Table | ☐ [10] ☐ | |
| | ☐ [11] ☐ | |
| Beep on exit delay | ☐ [12] ☐ | enabled |
| Report zone restore on bell cut-off | ☐ **[BYP]** ☐ | on zone closure |
| Zones with EOL **green** (1K?) | ☐ **[MEM]** ☐ | no EOL |
| Always report disarm | ☐ **[TRBL]** ☐ | only after alarm |

**TAMPER / WIRE FAULT DEFINITION TABLE**
Address 208, Key [10] [11]

| SYSTEM ARMED | KEY [10] | [11] | SYSTEM DISARMED* |
|---|---|---|---|
| Alarm as per individual zone definitions | OFF | OFF | Disabled (zone doubler is "off") |
| Always generate trouble and alarm, audible or silent as per individual zone definitions (In this section ATZ is enabled) | OFF | ON | No alarm, trouble code reported |
| | ON | OFF | Silent alarm and trouble codes reported |
| | ON | ON | Audible alarm and trouble 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

# feature select (light on/off) programming

*Feature selection programming addresses 200 to 242. The "ON"/"OFF" status of the lights (keys) determines features selected.*

1) Press [ENTER] + installer code (default 747474), [ENTER] key will flash.
2) Enter 3 digit memory address (200 to 242).
3) Press corresponding key to select option.
4) To change selection press key again.
5) To save press [ENTER].
6) Repeat steps 3 to 5 for addresses 200 to 242.
7) To exit programming mode press [CLEAR].

*Note: Default = "OFF" for addresses 200 to 242*

## 210:

|  | KEY |  |
|---|---|---|
|  | OFF / ON |  |
| Exclude AC from trouble display | [2ND] | enabled |
| Zone 9 | [1] | disabled (in case of fire zone 12 only) |
| Auto arm = regular arm / (A + B) | [2] | stay arm / System A |
| Arming regular | [3] | auto away |
| Arm-inhibit on batt fail | [4] | enabled |
| Arm-inhibit on tamper* | [5] | enabled |
| No tamper bypass | [6] | tamper follows zone bypass definition |
| Only bypass code reported on bypass arming | [7] | enabled |

*Only installer can clear tamper trouble.

| ZONE DEFINITION: (default = "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] |
| **212** Fast = ON | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | **214** | 13 ☐ | N/A | | | | ☐ | 19 ☐ | N/A | | |
| **216** Silent = ON | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | **218** | 13 ☐ | N/A | | | | ☐ | 19 ☐ | N/A | | |
| **220** 24 Hr./ Fire = ON | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12* ☐ | **222** | 13 ☐ | N/A | | | | ☐ | 19 ☐ | N/A | | |
| **224** Instant = ON | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | **226** | 13 ☐ | N/A | | | | ☐ | 19 ☐ | N/A | | |
| **228** Follow = ON | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | **230** | 13 ☐ | N/A | | | | ☐ | 19 ☐ | N/A | | |
| **232** Delay 2 = ON | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | **234** | 13 ☐ | N/A | | | | ☐ | 19 ☐ | N/A | | |
| **236** Bypass enabled = ON | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | **238** | 13 ☐ | N/A | | | | ☐ | 19 ☐ | N/A | | |

*When zone 12 is defined "24 Hour" it becomes a fire zone

| **240** If ON, zone is ARMED on stay or split arming | SYSTEM A | | | | | | SYSTEM B | | | | | | **242** | SYSTEM A | | | | SYSTEM B | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ | 11 ☐ | 12 ☐ | | 13 ☐ | N/A | | | 19 ☐ | N/A | | | | |

**NOTE:** Zones not selected at addresses **220** to **234** are "Delay 1" zones.

# 3 DIGIT DECIMAL VALUE PROGRAMMING

*Decimal value programming addresses **244** to **255**. Values entered must contain 3 digits.*

1) Press **[ENTER]** + installer code (default 747474) (**[ENTER]** key will flash)
2) Enter 3 digit address (**244** to **255**)
3) Enter 3 digit DECIMAL value (*See Decimal Value Display* to read value*)
4) To erase, press **[CLEAR].** To save press **[ENTER]**
5) Go to step 2 for next address. To exit programming mode press **[CLEAR]**

(values entered at addresses **"244 - 255"** contain 3 digits between "000" and "255") (**[10]** = 0)

**244:** __/__/__ (days) Auto test report every ? days (between "001" and "255") *(000=disabled)*

**245:** __/__/__ (hours) Auto test report / Auto arm time (between "000" and "023")

**246:** __/__/__ (minutes) Auto test report / Auto arm time (between "000" and "059")

**247:** __/__/__ (seconds) Exit delay *(default **60** seconds)*

**248:** __/__/__ (seconds) Entry delay 1 *(default **45** seconds)*

**249:** __/__/__ (seconds) Entry delay 2 *(default **45** seconds)*

**250:** __/__/__ (minutes) Bell cut-off time *(default **5** minutes)*

**251:** __/__/__ (  x  15 mSec.) Slow zone speed *(default **600** mSec.)*

**252:** __/__/__ (minutes) AC report delay *(default **30** minutes) (000=disabled)*

**253:** __/__/__ (  x  15 minutes) Time for "No Movement" Report *(000=disabled) (default **8** hours)*

**254:** __/__/__ PGM timer setting: 001 to 127 for seconds and 129 to 255 for minutes *(default **5** seconds).* Add 128 to desired value in minutes (i.e.for 5 minutes: enter 5 + 128 = 133)

**255:** __/__/__ Installer lock (**147** = locked, **000** = unlocked) *(default **unlocked**)*

**DECIMAL VALUE DISPLAY**

If key is lit = 8  = 4  = 2  = 1 — 2ND 1 2 3 — Total value (**57**) ( 8 + 1 + 32 + 16 = 57)

TRBL 4 5 6 — If key is lit = 128 = 64 = 32 = 16 — No light = **0**

# KEY ACCESS PROGRAMMING

*Several panel features can be programmed quickly, without entering addresses or programming section numbers. Select "one-key access" programming mode by pressing **[ENTER]**, followed by the installer, master or user 1 code (depending on the feature you wish to activate, only certain codes will be functional). Then press the single key (listed below) corresponding to the feature you wish to enable.*

*key*

**[9]** **"Auto arming" time program** *(accessible to master and user 1 only)*
Enter two digits (00 to 23) for hours + 2 digits (00 to 59) for minutes + **[ENTER]**.

**[MEM]** **"Panel time" and clear "trouble 8"** *(all 3 codes)*
Enter two digits (00 to 23) for hours + 2 digits (00 to 59) for minutes + **[ENTER]**

**[BYP]** **Test report** *(all 3 codes)*
Reporting is enabled at address **206** keys **[11]**, **[12]**. A value must be entered at address **175**, and both telephone and account numbers must be programmed.

**[TRBL]** **Call Espload via telephone** *(all 3 codes)*
Panel and PC ID numbers (addresses **001**-**004**) and PC download phone number (addresses **060**-**067**) 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 (work also without ADP-1).

**[STAY]** **Cancel communication attempts** *(master code and user 1 can only stop calls from/to Espload)*
Until next reportable event *(installer code - all communications)*

**[STAY]** **Reset to default panel settings** *(installer code only)*
Connect reset jumper. Press **[ENTER]** + installer code + **[STAY]**, remove reset jumper.

**[2], [6]** **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.

**[2], [7]** **Streamlined value entry** *(installer code only)*

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

# CHANGE MASTER AND USER CODES

*(default master **474747**)*
> **[ENTER]** + master code + code number (2 digits, 00 to 16) + new code (4 or 6 digits, 0 to 9) +**[ENTER]**.
> Use **[2ND]** to erase a code.

> **Master code = 00** (**[10][10]**) *Full access to all system functions.*

> **User codes = 01-16** *(01 - can modify access codes. All user code priorities can be programmed at addresses **200**, **202**, **204** with the installer code.)*
> *Note: **[2ND]** key flashes if location is empty.*
> *To erase a code: **[ENTER]** + Master + Code Number + **[2ND]** + **[ENTER]***