# MAESTRO-600, MAESTRO-1000

**6 and 10 Zone Alarm Control Panel**

Visonic Ltd

**Programming Guide**

## 1. INTRODUCTION

The **Maestro-600** and **Maestro-1000** alarm control panels enable reduced number of programming steps. End-users can access most system features at the touch of just one key.

A "streamlined programming" feature further simplifies the programming process, by saving data automatically and leading the installer through the programming addresses without the need to enter them manually.

The control panel programming includes "Intellizone" definition, "Auto Zone Shutdown", "Beep On Exit Delay", "Programmable Delay before Alarm Transmission" and "Recent Closing" report.

Each control panel can be used to monitor two distinct security systems. Partitioning provides a practical and flexible solution in situations where combined systems are a necessity. Zones can be assigned to "System A", "System B", both systems or given no system assignment.

Almost any control panel condition or event may be used to activate the **MAESTRO'S** programmable output (PGM). Once a panel status mode is selected for the PGM to follow, the polarity and duration of the output may also be programmed.

The **MAESTRO-1000** control panel includes the Advanced Technology Zoning (ATZ) feature, which was developed to permit connection of 2 zones on one zone input terminal, as well as providing wire fault recognition on both zones. ATZ simplifies the task of meeting the zone requirements of any installation while reducing installation costs.

Before you begin programming the control panel, it is recommended to read sections 5 through 11 of the Maestro-600 and Maestro-1000 Installation Instructions, in order to acquire a good understanding of the control panel and its functions.

## 2. 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.

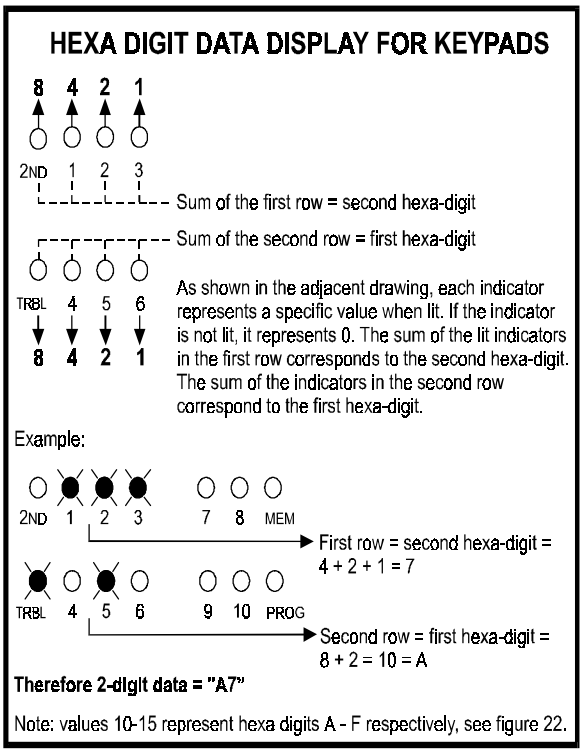



**FIGURE 2**

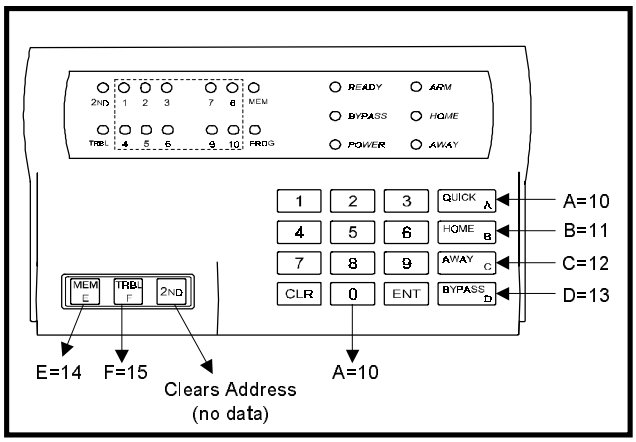



**FIGURE 1**

To program using the Hexa Programming method:

1) Press [ENT] + [INSTALLER CODE]
2) The red "PRG" indicator will flash indicating that you are in programming mode
3) Enter the desired [3-DIGIT ADDRESS] and the red "PRG" indicator will remain illuminated
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 [ENT], the software will automatically save the data into the selected address.
6) Return to step 2 to continue programming or press [CLR] to exit programming mode

## 3. 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 11 = addresses 300-303). 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 [ENT] + [INSTALLER CODE] + [7].
2) The red "PRG" and "2ND" LED indicators will flash to indicate you are in programming mode.
3) Enter [2-DIGIT SECTION] (00-67).

4) The red "PRG" indicator will remain on and "2ND" LED indicator will turn off.
5) Enter [8-DIGIT DATA] to program the section.
6) The keypad will emit a confirmation "beep" to indicate that the section has been programmed, data is saved and that the software has advanced to the next section.
7) Return to step 5 to continue programming at the next address or press [CLR] to exit the programming mode.

## INSTALLER CODE (Default 1111)

Full access to programming, except user access codes. No access to arming/disarming. Use only numeric keys from [1] to [0].

| Streamline section | Data Description | Address |
|---|---|---|
| 00 | —/— Installer code (1st , 2nd digit) | 000 |
| | —/— Installer code (3rd , 4th digit) | 001 |
| | —/— Installer code (5th , 2nd digit) | 002 |
| | —/— Panel answer options | 003 |
| | → Number of rings (Max. 15) | |

**Table 1 - 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 , 6th digit) | 006 |
| | —/— PC Password (3rd, 4th digit) | 007 |
| | Identifies the control panel to the PC | |
| | Identifies the PC to the control panel | |

### TELEPHONE AND ACCOUNT NUMBERS

***CAUTION: 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)***

**[HOME]** = *
**[AWAY]** = #
**[TRBL]** = end of number
**BYPASS]** = switch from pulse to tone while dialing
**[MEM]** = pause 4 seconds

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

Streamline section 02 __/__/__/__/__/__/__/__ Streamline section 03 __/__/__/__/__/__/__/__

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

***Caution: 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 __/__/__/__/__/__/__/__ Streamline section 05 __/__/__/__/__/__/__/__

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

***Caution: 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 __/__/__/__/__/__/__/__ Streamline section 07 __/__/__/__/__/__/__/__

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

***Caution: 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

***Caution: For 3 digit account numbers, enter [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 time correction, table 2) | 037 |
| | ___/___ | 1st digit: telephone 1 format. 2nd digit: telephone 2 format see communicator formats, table 3) | 038 |
| | ___/[2ND] | 1st digit: PGM 1 type | 039 |
| 10 | ___/___ | PGM 1 | 040 |
| | [2ND]/[2ND] | N/A | 041 |
| | ___/___ | PGM mask 1 | 042 |
| | [2ND]/[2ND] | n/a | 043 |

**Table 2 - 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. | **[0]** | - Minus 12 sec. |
| **[3]** | - Plus 12 sec. | **[HOME]** | - Minus 16 sec. |
| **[4]** | - Plus 16 sec. | **[AWAY]** | - Minus 20 sec. |
| **[5]** | - Plus 20 sec. | **[BYPASS]** | - Minus 24 sec. |
| **[6]** | - Plus 24 sec. | **[MEM]** | - Minus 28 sec. |
| **[7]** | - Plus 28 sec. | **[TRBL]** | - Minus 32 sec. |

**Table 3 - COMMUNICATOR FORMATS**

| KEY | | 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). | **[0]** | = * **ADEMCO** contact ID (all codes) |
| **[5]** | = **RADIONICS** (40bps with 2300Hz handshake). | **[TRBL]** | = *DTMF - no handshake (personal dialing) |
| | | | * = 4-Digit Account Codes Only |

**PROGRAMMABLE CONTACT ID EVENT CODES**

All addresses from 300 to 527 (sections 11 to 67) programmed with value 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 |
|---|---|---|
| 100: | AUXILIARY ALARM | [2ND] / [1] |
| 110: | FIRE ALARM | [2ND] / [2] |
| 111: | FIRE SMOKE | [2ND] / [3] |
| 112: | COMBUSTION | [2ND] / [4] |
| 113: | WATER FLOW | [2ND] / [5] |
| 114: | HEAT | [2ND] / [6] |
| 115: | PULLSATION | [2ND] / [7] |
| 116: | DUCT | [2ND] / [8] |
| 117: | FLAME | [2ND] / [9] |
| 118: | NEAR ALARM | [2ND] / [0] |
| 120: | PANIC ALARM | [2ND] / [HOME] |
| 121: | DURESS | [2ND] / [AWAY] |
| 122: | SILENT PANIC | [2ND] / [BYPASS] |
| 123: | AUDIBLE PANIC | [2ND] / [MEM] |
| 130: | BURGLARY | [2ND] / [TRBL] |
| 131: | PERIMETER BURG. | [1] / [2ND] |
| 132: | INTERIOR BURG. | [1] / [1] |
| 133: | 24HR BURGLARY | [1] / [2] |
| 136: | BURGLARY OUTDOOR | [1] / [3] |
| 137: | BURGLARY TAMPER | [1] / [4] |
| 138: | BURGLARY NEAR ALARM | [1] / [5] |
| 140: | GENERAL ALARM | [1] / [6] |
| 150: | 24 HOUR AUX | [1] / [7] |
| 151: | GAS DETECTED | [1] / [8] |
| 152: | REFRGERATION | [1] / [9] |
| 153: | LOSS OF HEAT | [1] / [0] |
| 154: | WATER LEAKAGE | [1] / [HOME] |
| 155: | FOIL BREAK ALARM | [1] / [AWAY] |
| 156 | DAY TROUBLE ALARM | [1] / [BYPASS] |
| 157: | LOW GAS LEVEL | [1] / [MEM] |
| 158: | HIGH TEMPERATURE | [1] / [TRBL] |
| 159: | LOW TEMPERATURE | [2] / [2ND] |
| 161: | LOSS AIR FLOW | [2] / [1] |

| CID | REPORTING CODE | PROG. VALUE |
|---|---|---|
| 300: | YSTEM TROUBLE | [2] / [2] |
| 301: | AC LOSS | [2] / [3] |
| 302: | LOW SYSTEM BATTERY | [2] / [4] |
| 305: | SYSTEM RESET | [2] / [5] |
| 306: | PROGRAM CHANGED | [2] / [6] |
| 309: | BATTERY TEST FAIL | [2] / [7] |
| 320: | SOUNDER/RELAY TROUBLE | [2] / [8] |
| 321: | BELL 1 TROUBLE | [2] / [9] |
| 323: | ALARM RELAY TROUBLE | [2] / [0] |
| 350: | COMMUNICATION TROUBLE | [2] / [HOME] |
| 351: | TELCO 1 FAULT | [2] / [AWAY] |
| 354: | FAIL TO COMMUNICATE | [2] / [BYPASS] |
| 370: | PROTECTION LOOP TROUBLE | [2] / [MEM] |
| 371: | PROTECTION LOOP OPEN | [2] / [TRBL] |
| 372: | PROTECTION LOOP SHORT | [3] / [2ND] |
| 373: | FIRE LOOP TROUBLE | [3] / [1] |
| 382: | SENSOR TYROUBLE | [3] / [2] |
| 383: | SENSOR TAMPER | [3] / [3] |
| 400: | OPEN/CLOSE | [3] / [4] |
| 401: | OPEN/CLOSE BY USER # | [3] / [5] |
| 402: | GROUP OPEN/CLOSE | [3] / [6] |
| 403: | AUTOMATIC OPENING/CLOSING | [3] / [7] |
| 404: | LATE TO OPEN/CLOSE | [3] / [8] |
| 407: | REMOTE ARM DOWNLOAD | [3] / [9] |
| 410: | REMOTE ACCESS | [3] / [0] |
| 441: | OPEN/CLOSE - STAY MODE | [3] / [HOME] |
| 570: | BYPASS | [3] / [AWAY] |
| 572: | 24 HOUR ZONE BYPASS | [3] / [BYPASS] |
| 573: | BURGLARY BYPASS | [3] / [MEM] |
| 574: | GROUP BYPASS | [3] / [TRBL] |
| 601: | MANUAL TEST | [4] / [2ND] |
| 602: | PERIODIC TEST | [4] / [1] |
| 625: | TIME/DATE RESET | [4] / [2] |

For address 044 to 126, see sections 5 and 6.

# 4. REPORTING CODES

All digits from [1] to [F] are valid. Entering [2ND] = digit will not be reported except for contact I.D. programming codes. For single digit reporting enter [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 [0] for both central station numbers at section 09 - address 038)

**ARMING (closing) CODES**

| Streamline section | Data | Description | Address |
|---|---|---|---|
| 11 | —/— | Auto | 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 |

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

Disarming (opening) codes

| | | | |
|---|---|---|---|
| 23 | —/— | User code Visload | 350 |
| | —/— | User code 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 ZONE 1 TO 10**

| Streamline section | Data | Description | Address |
|---|---|---|---|
| 36 | —/— | Zone 1 | 400 |
| | —/— | Zone 2 | 401 |
| | —/— | Zone 3 **(fire)** | 402 (see add. 100) |
| | —/— | Zone 4 | 403 |

| | | | |
|---|---|---|---|
| 37 | —/— | Zone 5 | 404 |
| | —/— | Zone 6 | 405 |
| | —/— | Zone 7 | 406 |
| | —/— | Zone 8 | 407 |
| 38 | —/— | Zone 9 | 408 |
| | —/— | Zone 10 | 409 |
| | [2nd]/2nd | N/A | 410 |
| | [2nd]/2nd | N/A | 411 |

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

**ZONES 1 TO 10 RESTORE CODES:**

| Streamline | Data | Description | Address |
|---|---|---|---|
| 42 | —/— | Zone 1 | 424 |
| | —/— | Zone 2 | 425 |
| | —/— | Zone 3 **(fire)** | 426 (*) |
| | —/— | Zone 4 | 427 |
| 43 | —/— | Zone 5 | 428 |
| | —/— | Zone 6 | 429 |
| | —/— | Zone 7 (Maestro-1000 only) | 430 |
| | —/— | Zone 8 (Maestro-1000 only) | 431 |
| 44 | —/— | Zone 9 (Maestro-1000 only) | 432 |
| | —/— | Zone 10 Maestro-1000 only | 433 |
| | —/— | N/A | 434 |
| | —/— | N/A | 435 |

* (see add. 100)

**ZONES 1 TO 10 SHUTDOWN CODES:**

| Streamline | 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 (Maestro-1000 only) | 454 |
| | —/— | Zone 8 (Maestro-1000 only) | 455 |
| 50 | —/— | Zone 9 (Maestro-1000 only) | 456 |
| | —/— | Zone 10 Maestro-1000 only | 457 |
| | [2nd]/2nd | N/A | 458 |
| | [2nd]/2nd | N/A | 459 |

**ZONES 1 TO 10 TROUBLE CODES:**

| Streamline | Data | Description | Address |
|---|---|---|---|
| 54 | —/— | Tamper 1 (ATZ) (*) | 472 |
| | —/— | Tamper 2 | 473 |
| | —/— | Tamper 3 (ATZ) (*) | 474 |
| | —/— | Tamper 4 | 475 |
| 55 | —/— | Tamper 5 (ATZ) (*) | 476 |
| | [2nd]/2nd | N/A | 477 |
| | —/— | Tamper 7 (ATZ) (*) | 478 |
| | [2nd]/2nd | N/A | 479 |
| 56 | [2nd]/2nd | N/A | 480 |
| | [2nd]/2nd | N/A | 481 |
| | [2nd]/2nd | N/A | 482 |
| | [2nd]/2nd | N/A | 483 |

* (Maestro-1000 only)

**TROUBLE CODES**

| Streamline | 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 | 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 |

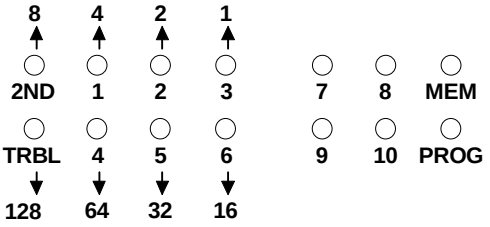
**SPECIAL CODES:**

| Streamline | 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 (Visload) | 524 |
| | —/— | Program change | 525 |
| | [2nd]/2nd | Future use | 526 |
| | [2nd]/2nd | Future use | 527 |

# 5. DECIMAL PROGRAMMING

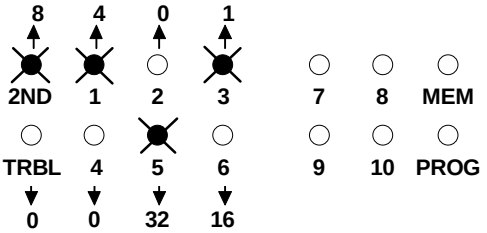
1) Press [ENT] + [INSTALLER CODE]
2) The red "PRG" indicator will flash to indicate you are in programming mode
3) Enter [3-DIGIT ADDRESS] (044-061) and the "PRG" indicator will remain on
4) The keypad will now display the 3-digit data currently saved at this address as described in figure 3
5) Enter [3-DIGIT DATA] (000-255); after entering data you do not need to press [ENT], the software will automatically save the data into the selected address
6) Return to step 2 to continue programming or press [CLR] to exit programming mode

**Figure 3**
**DECIMAL DISPLAY - MAESTRO-601**




As shown above, each LED indicator from 1-6, including the 2ND and TRBL indicators, represent a specific value when lit. If an LED indicator is not lit, it will represent the value 0. Add the values of all the lit LED indicators to obtain the entered data value as shown in the example below.

Example




**Therefore 8 + 4 +1 + 32 = 045**

**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

# 6. FEATURE SELECT PROGRAMMING

Addresses **062**-**126.** " ON" /" OFF" status of the LED indicators determines feature selection.
In programming mode, enter 3 digit memory address (**062** to **126**). To save entries, press **[ENT]**.
To exit programming mode press **[CLR]**. Reset = "OFF" for addresses **062** to **126**.

| | | CODE PRIORITY | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Keypad select** | **LED indicators**: | [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] | [0] | [HOME] | [AWAY] | [BYPASS] | [MEM] | [TRBL] | [2ND] |
| | User #: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **062:** | **SYSTEM "A" / HOME** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | User #: | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| **064:** | **SYSTEM "A" / HOME** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | User #: | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| **066:** | **SYSTEM "A" / HOME** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | User #: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **068:** | **SYSTEM "B" / AWAY** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | User #: | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| **070:** | **SYSTEM "B" / AWAY** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | User #: | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| **072:** | **SYSTEM "B" / AWAY** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | User #: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **074:** | **Codes with bypass access** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | User #: | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| **076:** | **Codes with bypass access** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | User #: | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| **078:** | **Codes with bypass access** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

Address 080 to 085 for future use

## FEATURE & SELECT PROGRAMMING (continued)

(On/off status of LED indicators determines which feature is selected)

### 086

| | OFF | LED INDICATOR / | ON | |
|---|---|---|---|---|
| See "TLM" table..... | ☐ | **[2ND]** | ☐ | → See "TELEPHONE LINE MONITOR" on next page |
| | ☐ | **[1]** | ☐ | |
| Keyswitch = regular arming ..... | ☐ | **[2]** | ☐ | home arm/system A |
| 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 report |
| (1:2) Pulse Europe..... | ☐ | **[0]** | ☐ | (1:1.5) pulse USA |
| See "Reporting" table..... | ☐ | **[HOME]** | ☐ | → See "REPORTING OPTIONS" on next page |
| | ☐ | **[AWAY]** | ☐ | |
| **N/A** | ☐ | **[BYPASS]** | ☐ | **N/A** |
| Bell squawk on arm/disarm ..... | ☐ | **[MEM]** | ☐ | enabled |
| Auto zone shutdown..... | ☐ | **[TRBL]** | ☐ | enabled |

### 088:

| | OFF | LED INDICATOR / | ON | |
|---|---|---|---|---|
| Automatic event buffer transmission..... | ☐ | **[2ND]** | ☐ | enabled |
| Panic 1 (key **[1]** & **[3]**..... | ☐ | **[1]** | ☐ | enabled |
| Panic 2 (key **[4]** & **[6]**..... | ☐ | **[2]** | ☐ | enabled |
| Panic 3 (key **[7]** & **[9]**..... | ☐ | **[3]** | ☐ | enabled |
| Panic 1 silent ..... | ☐ | **[4]** | ☐ | audible |
| Panic 2 silent ..... | ☐ | **[5]** | ☐ | audible |
| Panic 3 silent ..... | ☐ | **[6]** | ☐ | fire |
| Key [QUICK] regular arm ..... | ☐ | **[7]** | ☐ | enabled |
| Key [HOME] quick home or "system A" arm | ☐ | **[8]** | ☐ | enabled |
| 4 digit access codes ..... | ☐ | **[9]** | ☐ | 6 digit |
| Tamper recognition..... | ☐ | **[0]** | ☐ | → See "TAMPER / WIRE FAULT DEFINITION" on next page |
| | ☐ | **[HOME]** | ☐ | |
| Beep on exit delay..... | ☐ | **[AWAY]** | ☐ | enabled |
| Report zone restore on bell cut-off..... | ☐ | **[BYPASS]** | ☐ | on zone closure |
| Zones with EOL (1KΩ)..... | ☐ | **[MEM]** | ☐ | no EOL |
| Always report disarm ..... | ☐ | **[TRBL]** | ☐ | only after alarm |

### 090:

| | OFF | LED INDICATOR / | ON | |
|---|---|---|---|---|
| Exlude power failure from trouble display | ☐ | **[2ND]** | ☐ | enabled |
| Zone 4 enabled ..... | ☐ | **[1]** | ☐ | disabled (in case of fire zone 3 only) |
| Auto arm = regular arm ..... | ☐ | **[2]** | ☐ | home / 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** |
| Zone doubling (ATZ) | ☐ | **[8]** | ☐ | enabled |
| Audible trouble warning | ☐ | **[9]** | ☐ | enabled |
| Duress | ☐ | **[0]** | ☐ | enabled |
| Keypad 1 zone supervision..... | ☐ | **[HOME]** | ☐ | enabled |
| Keypad 2 zone supervision..... | ☐ | **[AWAY]** | ☐ | enabled |
| **N/A** | ☐ | **[BYPASS]** | ☐ | **N/A** |
| **N/A** | ☐ | **[MEM]** | ☐ | **N/A** |
| **N/A** | ☐ | **[TRBL]** | ☐ | **N/A** |

## REPORTING OPTIONS

**Address 086, key [HOME] [AWAY]**

| LED [HOME] | LED [AWAY] | 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)

## TELEPHONE LINE MONITOR

**Address 086, key [2nd] [1]**

| LED [2nd] | LED [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)

## TAMPER / WIRE FAULT DEFINITIONS

**Address 088, key [0] [HOME]**

| SYSTEM ARMED | KEY [0] | KEY [HOME] | SYSTEM DISARMED* |
|---|---|---|---|
| Alarm as per individual zone definitions | **OFF** | **OFF** | - Tamper supervision disabled |
| Always generates 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.

**ZONE DEFINITION:** (reset = **"OFF"**)

| LED INDICATORS: | | [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] | [10] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Intellizone = ON | **092** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Silent = 0N | **096** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | 1 | 2 | 3⚠ | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 24HR./Fire = ON | **100** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ⚠ When zone 3 is defined "24 Hour" it becomes a fire zone | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Instant = ON | **104** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Follow = ON | **108** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Delay 2 = ON | **112** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | | | | | **System A / HOME** | | | | | |
| If ON, zone is armed on home or "system A" arming | **116** | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ |
| | | | | | | **System B** | | | | | |
| If ON, zone is armed in "system B" arming | **120** | 1 ☐ | 2 ☐ | 3 ☐ | 4 ☐ | 5 ☐ | 6 ☐ | 7 ☐ | 8 ☐ | 9 ☐ | 10 ☐ |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Bypass enable = ON | **124** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

Zones that are not selected at addresses **100** to **112** become "Delay 1" zones.

***Note: Do not use Intellizone feature and an entry delay on the same zone, otherwise an alarm may occur as a user tries to disarm the system.***

# 7. KEY ACCESS PROGRAMMING

Programs features quickly, without entering addresses or section numbers.

To activate “key access programming”, press **[ENT]**, followed by the 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 **[ENT]** or **[CLR]** 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)

“9” indicator 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)

“MEM” indicator 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 **[HOME]**, **[AWAY]**. A value must be entered at address **512**, and both telephone and account numbers must be programmed.

**[TRBL] Call Visload 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 Visload** (all 3 codes)

This feature is available when using the ADP-1 adapter (ADP-1 is a module that can be used to connect a modem directly to the panel without the phone line). In Visload, "blind dial" must be activated in "modem setup" section, and panel phone number programmed (works also without ADP-1).

**[HOME] Cancel communication attempts** (master code and user 1 can only stop calls to Visload)

Until next reportable event (installer code - all communications).

# 8. CONNECTION DIAGRAMS

The system hardware will recognize the following zone conditions:

**SINGLE ZONE CONNECTIONS**

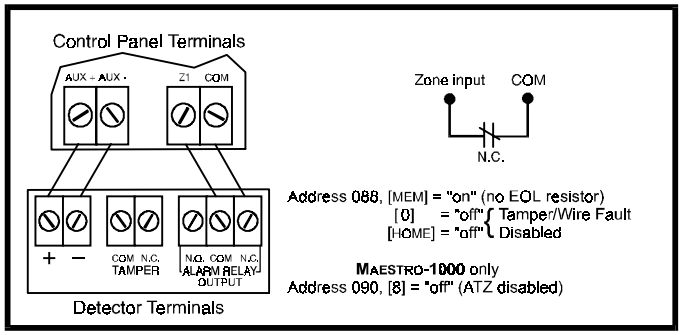



**FIGURE 4**

**N.C. Contacts, Without EOL Resistor**

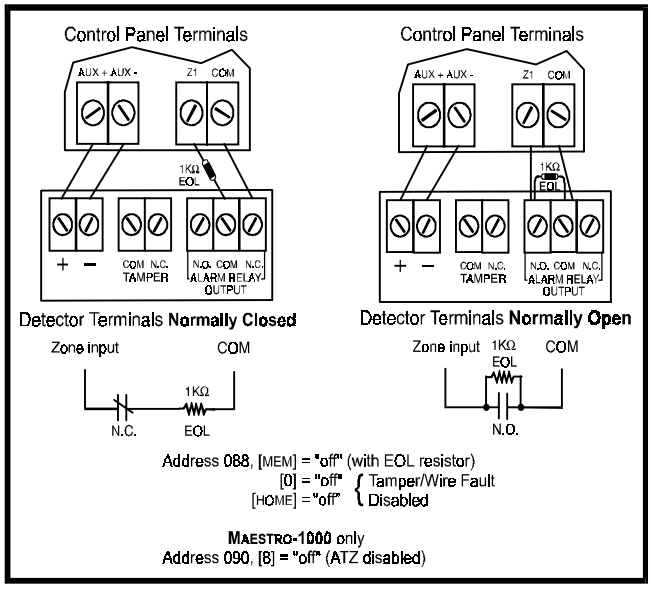



**FIGURE 5**

**N.O. Contacts, With EOL Resistor**

**FIGURE 6**

**N.C. Contacts, With EOL Resistor**

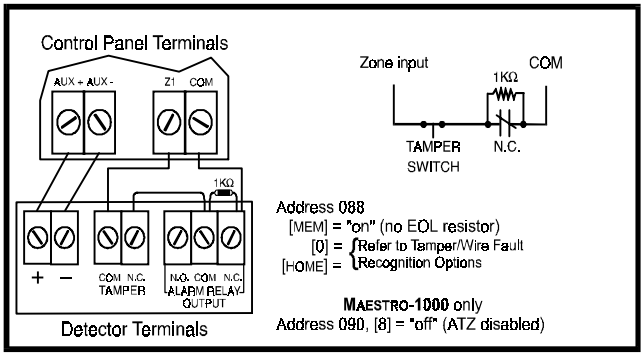



**FIGURE 7**

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

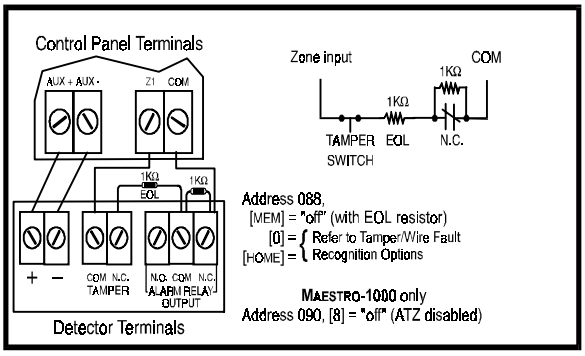



**FIGURE 8**

**N.C Contacts, With EOL Resistor, With Tamper and Wire Fault Recognition**

## TAMPER / WIRE FAULT DEFINITIONS

**Address 088, key [0] [HOME]**

| SYSTEM ARMED | KEY [0] | KEY [HOME] | SYSTEM DISARMED* |
|---|---|---|---|
| Alarm as per individual zone definitions | OFF | OFF | - Tamper supervision disabled |
| Always generates 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.

**FIGURE 9**

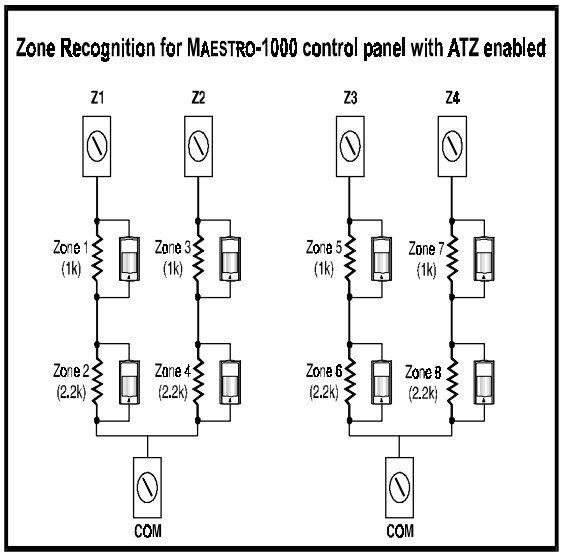



**FIGURE 10**

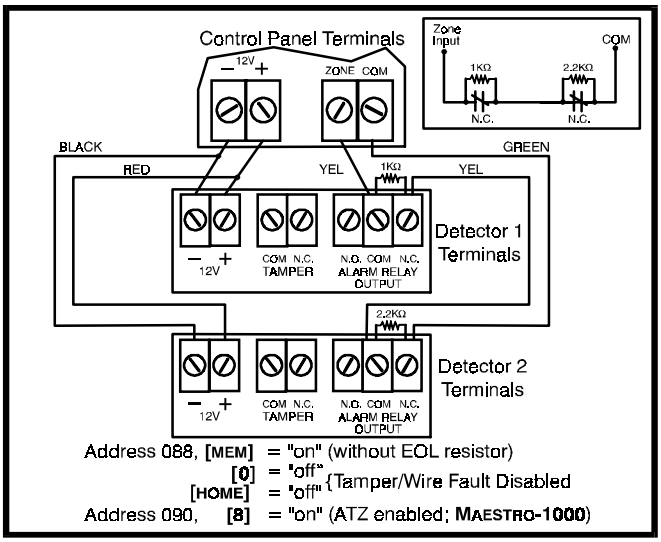



**FIGURE 11**

**ATZ N.C. Contacts, Without EOL Resistor for Maestro-1000 only**

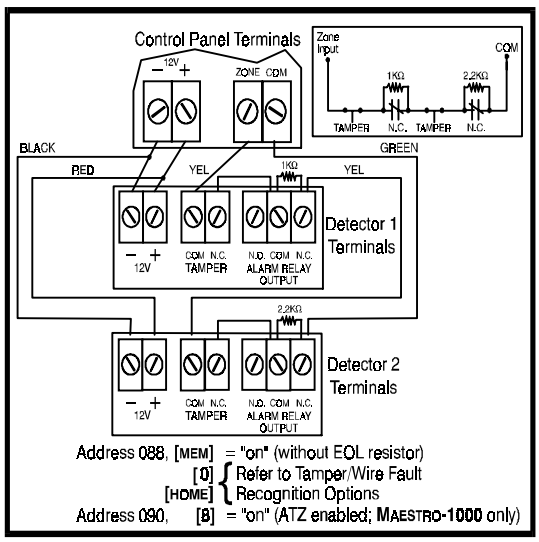



**FIGURE 12**

**ATZ N.C. Contacts, Without EOL Resistor, With Tamper Recognition - for Maestro-1000 only**

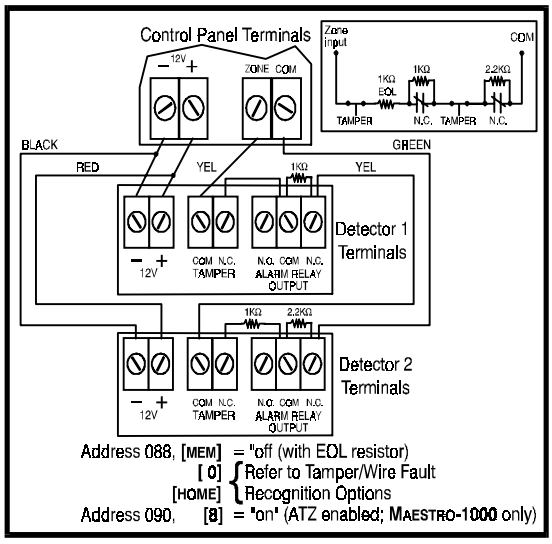



**FIGURE 13**

**ATZ N.C. Contacts, With EOL Resistor, With Tamper & Wire Fault Recognition for Maestro-1000 only**

## KEYPAD ZONE CONNECTION DIAGRAMS

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

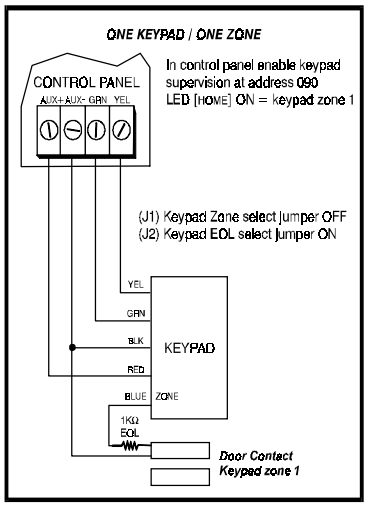



**FIGURE 14**
**(for Maestro-1000 only)**

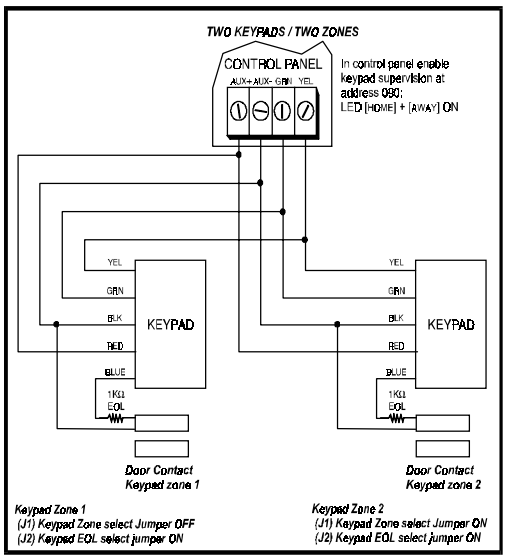
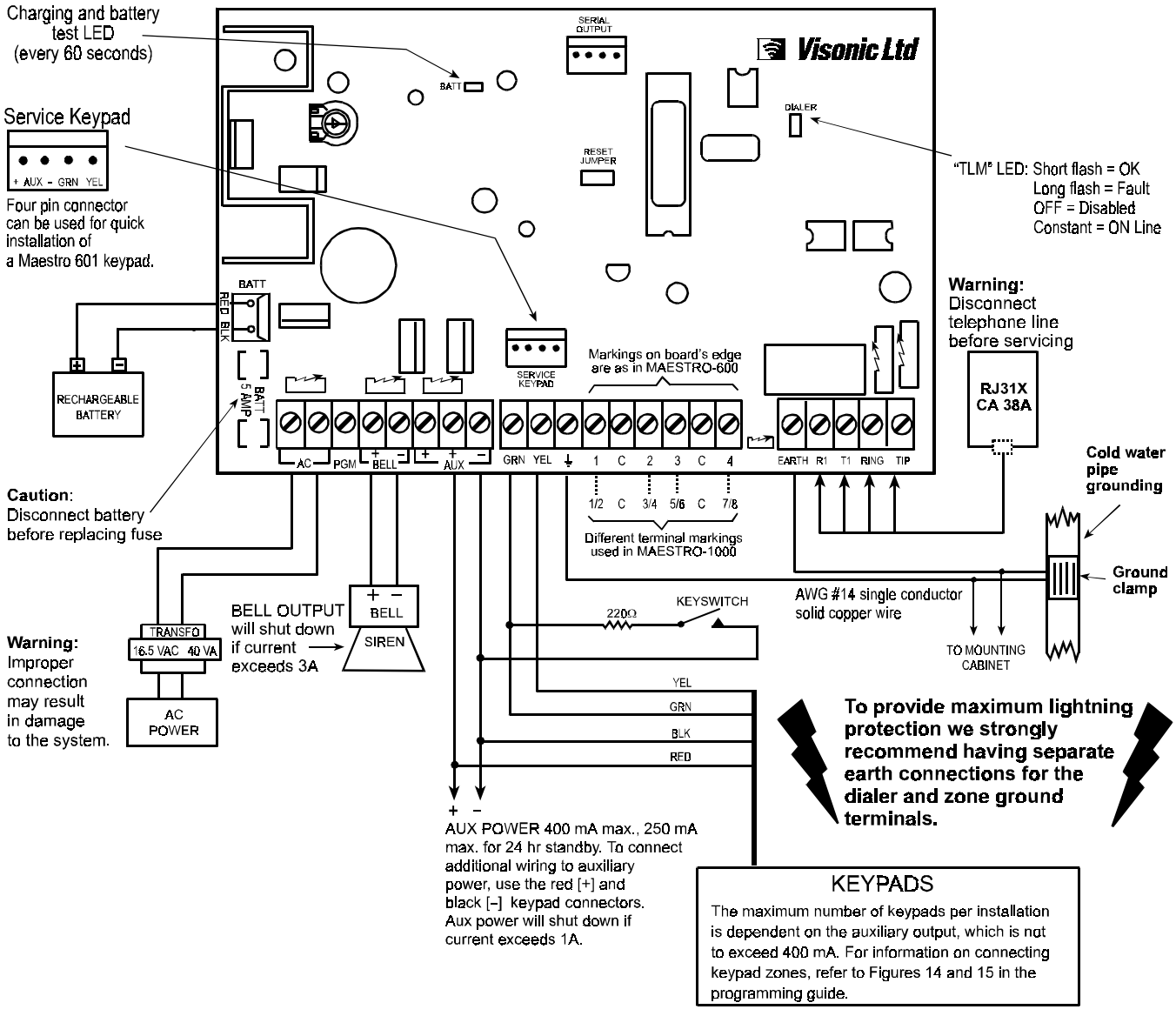


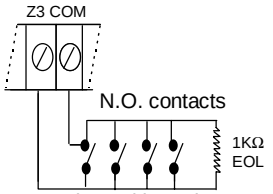

**FIGURE 15**

## WIRING DIAGRAM



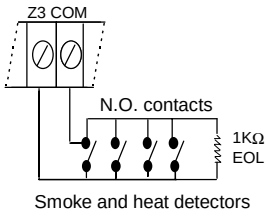
**FIRE ALARM ZONE CONNECTIONS**
For Maestro-600 only

**Address 090; LED [1] on**
**Address 100; LED [3] on**
To set zone 3 as a fire zone

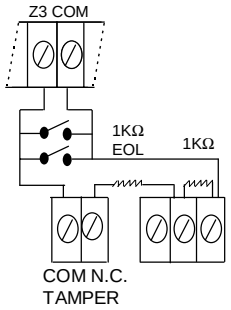



**FIRE ALARM ZONE CONNECTIONS**
For Maestro-1000 only

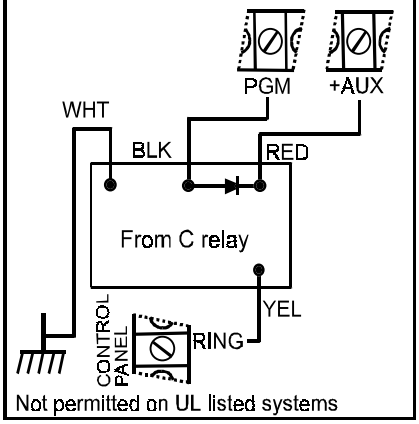
**Without ATZ**
**Address 090; LED [1] on**
**Address 100; LED [3] on**
To set zone 3 as a fire zone



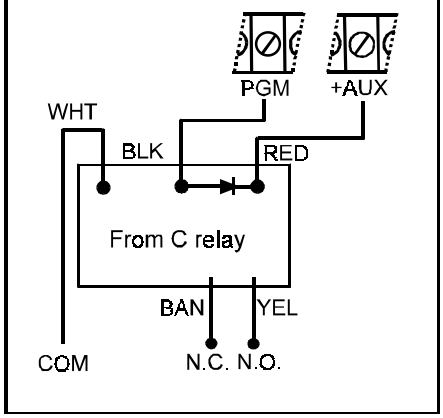

**With ATZ enabled**
**Address 090; LED [1] off**
**Address 100; LED [3] off**




GROUND START CIRCUIT




PGM OUTPUT RELAY




## WARRANTY

*Visonic Ltd. and/or its subsidiaries and its affiliates ("the Manufacturer") warrants its products hereinafter referred to as "the Product" or "Products" to be in conformance with its own plans and specifications and to be free of defects in materials and workmanship under normal use and service for a period of twelve months from the date of shipment by the Manufacturer. The Manufacturer's obligations shall be limited within the warranty period, at its option, to repair or replace the product or any part thereof. The Manufacturer shall not be responsible for dismantling and/or reinstallation charges. To exercise the warranty the product must be returned to the Manufacturer freight prepaid and insured.*

***This warranty does not apply in the following cases:*** *improper installation, misuse, failure to follow installation and operating instructions, alteration, abuse, accident or tampering, and repair by anyone other than the Manufacturer.*

*This warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral, express or implied, including any warranty of merchantability or fitness for a particular purpose, or otherwise. In no case shall the Manufacturer be liable to anyone for any consequential or incidental damages for breach of this warranty or any other warranties whatsoever, as aforesaid.*

*This warranty shall not be modified, varied or extended, and the Manufacturer does not authorize any person to act on its behalf in the modification, variation or extension of this warranty. This warranty shall apply to the Product only. All products, accessories or attachments of others used in conjunction with the Product, including batteries, shall be covered solely by their own warranty, if any. The Manufacturer shall not be liable for any damage or loss whatsoever, whether directly, indirectly, incidentally, consequentially or otherwise, caused by the malfunction of the Product due to products, accessories, or attachments of others, including batteries, used in conjunction with the Products.*

*The Manufacturer does not represent that its Product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire or otherwise, or that the Product will in all cases provide adequate warning or protection. User understands that a properly installed and maintained alarm may only reduce the risk of events such as burglary, robbery, and fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no death, personal damage and/or damage to property as a result.*

***The Manufacturer shall have no liability for any death, personal and/or bodily injury and/or damage to property or other loss whether direct, indirect, incidental, consequential or otherwise, based on a claim that the Product failed to function.*** *However, if the Manufacturer is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, the Manufacturer's maximum liability shall not in any case exceed the purchase price of the Product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the Manufacturer.*

***Warning:*** *The user should follow the installation and operation instructions and among other things test the Product and the whole system at least once a week. For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the Product may not perform as expected. The user is advised to take all necessary precautions for his /her safety and the protection of his/her property.*

*6/91*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