# XL1219

# Expanded Formats

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REV. A MARCH '85

COMPUTER PART NUMBER I-2148

# Expanded Formats

This section of the booklet should be read in conjunction with the Quad 1, 2, and 3, 4 programming sheets.

ER: The digital communicator in this device is capable of reporting multiple codes for several different events on each of its channels. If several events happen simultaneously on more than 1 channel during the time period it takes for one phone call to the Central Office ALL events that happened will be reported, in priority order.

UAL: In the event that some or all of zones 1-6 are programmed as controlled (burglary zones) for example, the Central Office may have only one ACTUAL ALARM CODE set aside for burglary. (Example burglary code 3). If UAL is programmed, the digital dialer will report code 3 for burglary followed by which zone of burglary was violated, provided the Central Office will accept this format. This will allow for individual zone reporting. The following example would be a print out actually received by the Central Office in the event UAL was programmed:

| | | | |
|---|---|---|---|
| first | 123<br>123<br>Subscribers account number | 3<br>3<br>Burglary | Central office receives<br>123 = John Smith<br>Code 3 = Burglary<br>333 = Burglary |
| followed by | 333<br>333<br>Burglary | 1<br>1<br>Zone 1 | Code 1 = Zone 1 |

UT: Depending how zones 1-6 are programmed as, Controlled, or 24 Hr Trouble Zones, each zone may transmit trouble codes. Controlled zones (burglary zones) can be programmed to send a trouble transmission while the system is unarmed if a zone is bypassed, etc., and 24 Hr Trouble Zones can send trouble transmissions 24 hrs a day. Central Offices may have only one code for any trouble signal, therefore, universal trouble (UT) will allow the Central Office to distinguish what zone is sending trouble. The Central Office will receive the trouble codes exactly as the UAL FORMAT of this booklet has described.

UR: When and if the Central Office has only one code dedicated for restore of all zones, UR will allow individual restorals by zone as described in UAL and UT.
Example: Code 9 restore.

| | |
|---|---|
| 123<br>123<br>Subscriber account number | 9<br>9<br>Restore Code |
| 999<br>999<br>Restore | 1<br>1<br>Zone 1 |

The Central office will receive the data shown above that will indicate which zone has been restored.

UA: This is the same format as UR when the Central Office has one code dedicated as an abort code. If abort code on abort is selected for any of the zones, this format will allow the Central Office to distinguish which zone was aborted.

DAC: In the event that this Control Panel must report its codes to more than one Central Office and the same account number is NOT available at all offices this format allows different account numbers to be used for each phone number. See "How to Program DAC".

UC, UO: EC, EO: This is basically the same format as the others, in the event that multiple closing and opening signals are desired. This system is capable of 8 different closing and opening signals. See How to program UC, UO, or EC, EO.

MUC MUO This format is the same as UC & UO when DAC is used. See "How to Program MUC & MUO".

## HOW TO PROGRAM EXPANDED FORMATS

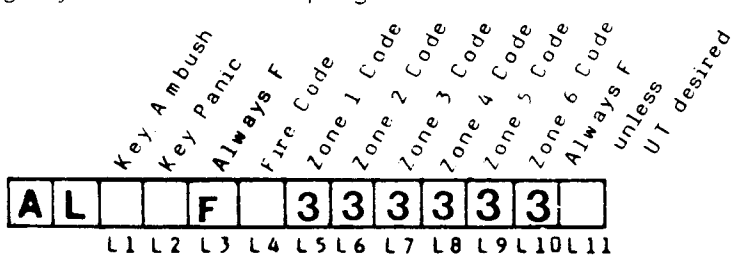
### FORMAT A

UAL: If UAL is desired, the following steps must be taken: (A) Program an appropriate DIGIT in QUAD 1, AF FIELD, LOCATION L2 which selects the UAL, UT, UR, UA, ER formats. (B) Program an appropriate DIGIT in QUAD 2, AF FIELD, LOCATION L1 which selects QUAD SWITCHING. (C) Program the appropriate UNIVERSAL ALARM CODE (Example: Code 3) in QUAD 1, AL FIELD ALL LOCATIONS that apply for ALL zones desired to send this UAL format.

If code 3 is the only burglary code used by the Central Office, all zones desired to send this Burglary code should be programmed number 3 in their appropriate locations.

EXAMPLE:

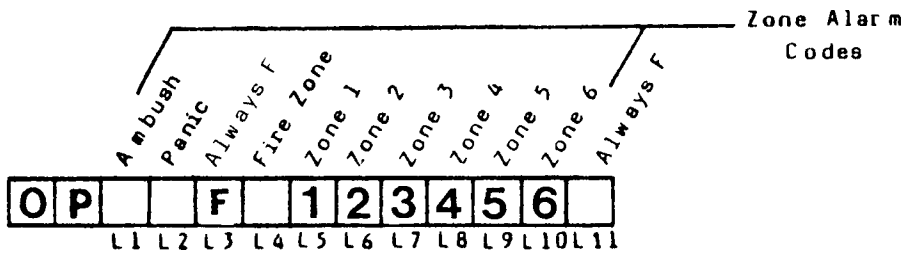
QUAD 1




(D) Program the appropriate ZONE ALARM CODES in QUAD 3 OP, field, all LOCATIONS that apply for ALL ZONES desired to send this UAL Format. Program a different ZONE code for each zone that is desired to send UAL format. Any zone may have any zone code. Any zones NOT desired to send UAL Format should have their locations in QUAD 3, OP field programmed F. All locations which do not apply must be programmed F.

EXAMPLE:

QUAD 3




The following is an example print out the Central Office would receive if zone 1 was violated if the example program was used.

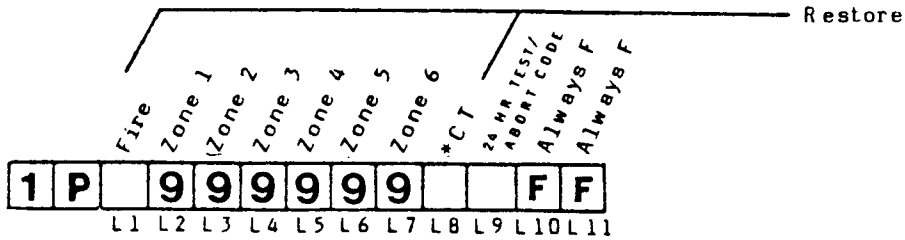
| | |
|---|---|
| 123<br>123<br>Subs. Acct. Code | 3<br>3<br>Burglary Code |
| 333<br>333<br>Burglary | 1<br>1<br>Zone Alarm Code |

UT: IF UT is desired and UAL IS desired, complete the UAL PROGRAM section above, and program the appropriate UNIVERSAL TROUBLE CODE in QUAD 2, OP field, ALL LOCATIONS that apply, for ALL ZONES desired to send the UT FORMAT. The ZONE ALARM CODES previously programmed in Quad 3 OP field will designate which zone is sending trouble. (NOTE: If the common trouble zone will be sending UT format the C.T zone alarm code must be put in Quad 1, AL field, location L11.)

UR: If UR and UAL are desired, complete the UAL section and program the appropriate UNIVERSAL RESTORE CODE (Example Code 9) in QUAD 2, 1P FIELD, ALL LOCATIONS that apply for ALL ZONES desired to send the UR format The ZONE ALARM CODES previously programmed in Quad 3 OP field will designate which zone is sending restore.

EXAMPLE:

QUAD 2




UA: If UA and UAL are desired, complete the UAL section and program the appropriate UNIVERSAL ABORT CODE in QUAD 2, 1P FIELD, location L9. The ZONE ALARM CODES previously programmed in Quad 3, OP field will designate which zone has aborted.

At this point, if the UAL format is desired, but DAC, MUC, MUO, UC (Universal Closing) and UO (Universal Opening) is NOT, program QUAD 3 on the 110 programmer as follows:

Program the appropriate ZONE ALARM CODES in the OP field, Quad 3, all respective locations that apply for zones desired to send the UAL format. All zones or channels of the communicator such as keypad ambush, keypad panic, fire zone etc. which MIGHT NOT be desired to report in this format should be programmed with an F in their locations. ALL other fields in this quadrant (1P, 2P, 3P, AF, FF, AC, & AL) MUST be left completely blank. Furthermore, ALL fields in QUADRANT 4 MUST be programmed blank. This can be accomplished by removing the prom from the prom socket AFTER programming Quad 3, set the Quad switches 7 & 8 to the north position; Depress the ENTER switch, then #0. Reinsert the prom into the socket on the 110 and depress the program switch. Finish should appear in the LED display.

NOTE: R75 Resistor Jumper on the XL1219 must NOT be cut when the UAL format is used.

FORMAT B

If ER, UT, UR, & UA, or any combination of these formats are desired, but UAL is NOT desired complete the following: (A) Program an appropriate digit in QUAD 1, AF field, location 2, which will select ER, UR, UT, UA and UAL. (B) Program the appropriate UNIVERSAL TROUBLE CODE in QUAD 2, OP field, ALL LOCATIONS THAT APPLY for all zones desired to send the UT format. (C) Program the appropriate UNIVERSAL RESTORE CODE in QUAD 2, 1P field, ALL LOCATIONS THAT APPLY for all zones desired to send the UR format. (D) Program the appropriate UNIVERSAL ABORT CODE in QUAD 2, 1P field, location L9. (All zones which have been programmed as Abort Code on Abort will send the UA format.)

The actual ZONE CODES will be the same as the ZONE ALARM CODES which have been programmed in QUAD 1, AL field, corresponding zone locations. IT WILL NOT BE NECESSARY TO PROGRAM QUAD 3 OR QUAD 4 AT ALL WITH THIS FORMAT.

## HOW TO PROGRAM UC, UO, OR EC, EO

The XL1219 is capable of reporting 8 individual closing codes and 8 individual opening codes, on locations where multiple personnel will be arming and disarming this system. There is two methods which can accomplish this individual reporting. The first is UC & UO which MUST be programmed as follows if desired.

Step A. Program an F in Quadrant 2, OP field, locations L1 & L2 (printed on the Quad 1 & 2 program sheet as closing code and opening code).

Step B. Program an appropriate digit in Quad 2, AF field, location L1 which selects QUAD SWITCHING.

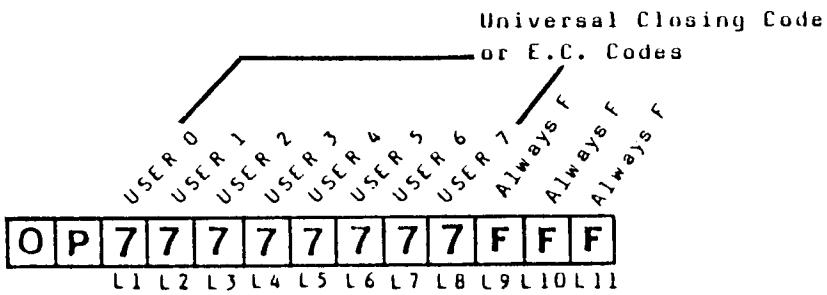
Step C. Program an appropriate digit in Quad 2, AF field location L2 which selects MUC & MUO, UC & UO or EC and EO.

Step D. Program in QUAD 3, AC field the SAME 3 DIGIT SUBSCRIBER ACCOUNT NUMBER that was programmed in Quad 1, AC field. (ALL OTHER fields in Quad 3 must be left blank UNLESS UAL is also desired.)

Step E. Program the UNIVERSAL CLOSING CODE (CENTRAL OFFICE may have only 1 closing code. Example code 7) in Quad 4, OP field, ALL LOCATIONS L1-L8 that apply to all USERS of this system.

Example:

Quad 4

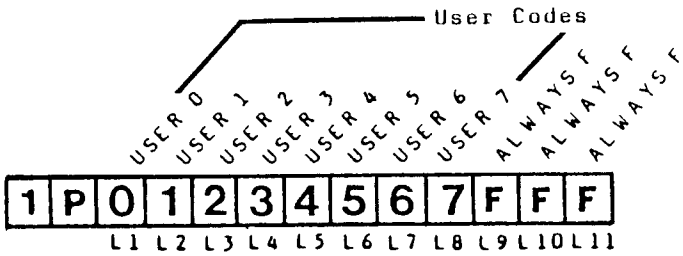



Program an F in all locations that are not desired. NOTE: User 0 can be programmed ONLY if keypad ambush is NOT used.

Step F. Program the appropriate USER CODES in Quad 4, 1P field, all locations that apply for all users of this system.

Example:

Quad 4



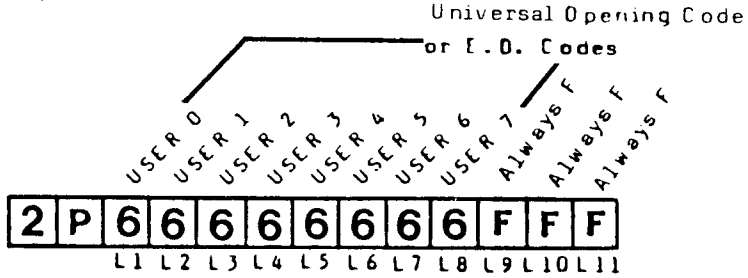

Program an F in all locations not desired. The following is an EXAMPLE of what the Central Office will receive in the event User 2 arms the system. Subscriber code 1, 2, 3.

| | |
|---|---|
| 123 | 7 |
| 123 | 7 |
| Subs. Code | Closing |
| | |
| 777 | 2 |
| 777 | 2 |
| Closing | User 2 |

Step G. Program the UNIVERSAL OPENING CODE in Quad 4, 2P field, ALL LOCATIONS L1-L10 that apply to all users of this system. (Central Office may have only 1 opening code, example: code 6).

Example:

Quad 4

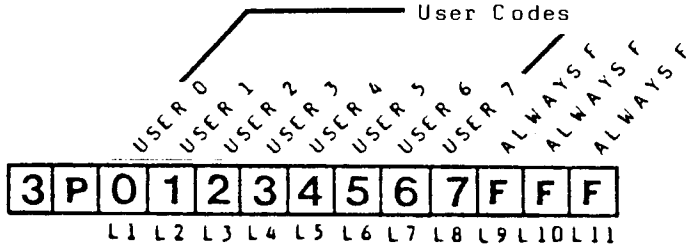



Program an F in all locations that are not desired. NOTE: User 0 can be programmed ONLY if keypad ambush is NOT used.

Step H Program the appropriate USER CODES in Quad 4, 3P field, all locations that apply for all users of this system.

Example:

Quad 4




Program an F in all locations not desired. The following is an EXAMPLE of what the Central Office will receive in the event user 2 disarms the system.

| | |
|---|---|
| 123 | 6 |
| 123 | 6 |
| Sub Code | Opening |
| 666 | 2 |
| 666 | 2 |
| Opening | User 2 |

Step I. Program in Quad 4, AC field the SAME 3 digit subscriber ACCOUNT NUMBER that was programmed in Quad 1, AC field.

Step J. The last step for this format is to leave the AF, FF, and AL FIELDS of Quad 4 blank.

## HOW TO PROGRAM DAC

This Control Panel is capable of reporting DIFFERENT ACCOUNT NUMBERS (DAC) for each phone number. This feature should be used if the different Central Offices do not have the same account number available. The Alarm Codes, Trouble Codes, etc. will be the same to all receivers. Program this format as follows:

Step A. Phone 1 Account Number: Program any three digit Subscriber account number desired in QUAD 1, AC FIELD which will report to phone number 1.

Step B. Program an appropriate digit in QUAD 2, AF FIELD, location L1 which selects quad switching.

Step C. Phone 2 Account Number: Program any three digit Subscriber account number desired in QUAD 3, 3P FIELD, locations L1-L3 which will report to phone number 2. QUAD 3, 3P FIELD, location L4 MUST be programmed "F".

Step D. Phone 3 Account Number: Program any three digit Subscriber account number desired in QUAD 3, 3P FIELD, LOCATIONS L5-L7 which will report to phone number 3. QUAD 3, 3P FIELD, LOCATIONS L8-L11 MUST be programmed "F". NOTE: If only 2 phone numbers with different account numbers are desired, L5-L11 MUST be programmed "F".

Step E. The remaining fields in Quad 3 MUST be left Blank, unless UAL and/or MUC & MUO are desired. If MUC & MUO are desired, see "How to Program MUC & MUO.

Step F. All fields in Quad 4 MUST be programmed "F" (Blank) unless MUC & MUO are desired.

## HOW TO PROGRAM MUC & MUO

Multiple Universal Closings (MUC) and Multiple Universal openings format is identical to UC & UO This format, however, MUST be used instead of UC & UO when DIFFERENT ACCOUNT NUMBERS (DAC) format is also desired. This control panel is capable of reporting 8 individual closing codes and 8 individual opening codes to 3 different phone numbers with 3 different account numbers. Program this format as follows:

Step A. Program the DAC FORMAT (STEP A through STEP D) previously explained in this manual, then continue with STEP B below.

Step B. Program an F in Quadrant 2, OP field, locations L1 & L2 (printed on the Quad 1 & 2 program sheet as closing code and opening code). If codes are entered into these locations, all USERS of this system which do not have individual USER CODES will report THESE.

Step C. Program an appropriate digit in Quad 2, AF field location L2 which selects MUC & MUO, UC & UO or EC and EO.

Step D. Phone #1 Closing Account Number: Program in QUAD 3, AC field the SAME 3 DIGIT SUBSCRIBER ACCOUNT NUMBER that was programmed in Quad 1 AC field.

Step E. Phone #2 Closing Account Number: Program in QUAD 3, AL FIELD, locations L1-L3 the SAME 3 DIGIT SUBSCRIBERS ACCOUNT NUMBER which was programmed in QUAD 3, 3 P FIELD locations L1-L3. QUAD 3, AL FIELD, location L4 MUST be programmed "F".

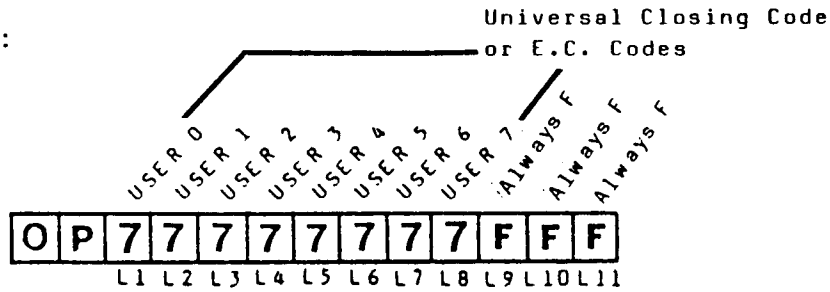
Step F. Phone #3 Closing Account Number: Program in QUAD 3, AL FIELD, locations L5-L7 the SAME 3 DIGIT SUBSCRIBER ACCOUNT NUMBER which was programmed in QUAD 3, 3P FIELD, locations L5-L7. QUAD 3, AL FIELD, locations L8-L11 MUST be programmed "F". If this format is only desired for 2 phone numbers locations L5-L11 must be programmed "F".

Step G. All other fields in Quad 3 must be left blank unless UAL is desired

Step H. Program the UNIVERSAL CLOSING CODE (CENTRAL OFFICE may have only 1 closing code. (Example code 7) in Quad 4, OP field, ALL LOCATIONS L1-L8 that apply to all USERS of this system.

Example:

Quad 4

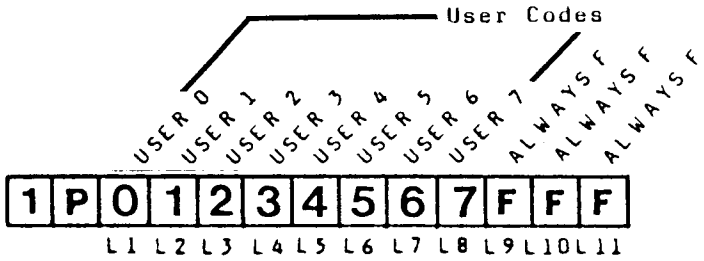



Program an F in all locations that are not desired. NOTE: User 0 can be programmed ONLY if keypad ambush is NOT used.

Step I. Program the appropriate USER CODES in Quad 4, 1P field, all locations that apply for all users of this system.

Example:

Quad 4



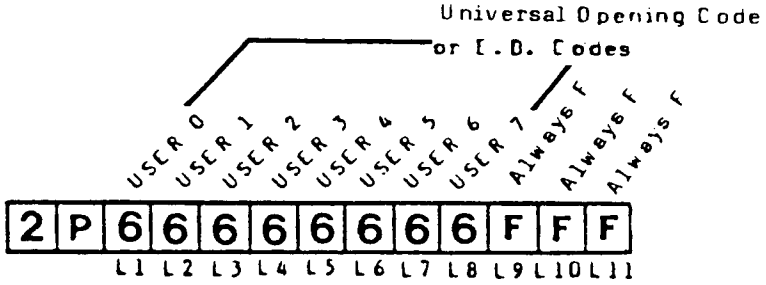

NOTE: User 0 may be programmed only if KEYPAD AMBUSH is not used. Program an F in all locations not desired. The following is an EXAMPLE of what the Central Office will receive in the event User 2 arms the system. Subscriber account number 1, 2, 3 for phone number 1, subscriber account number 224 for phone number 2, and subscriber account number 334 for phone number 3.

| | | |
|---|---|---|
| 123 | 7 | Sent To Phone #1 |
| 123 | 7 | |
| Subs. Code | Closing | |
| 777 | 2 | |
| 777 | 2 | |
| Closing | User 2 | |
| 224 | 7 | Sent To Phone #2 |
| 224 | 7 | |
| Subs. Code | Closing | |
| 777 | 2 | |
| 777 | 2 | |
| Closing | User 2 | |
| 334 | 7 | Sent To Phone #3 |
| 334 | 7 | |
| Subs. Code | Closing | |
| 777 | 2 | |
| 777 | 2 | |
| Closing | User 2 | |

Step J. Program the UNIVERSAL OPENING CODE in Quad 4, 2P field, ALL LOCATIONS L1-L8 that apply to all users of this system. (Central Office may have only 1 opening code, example: code 6).

Example:

Quad 4

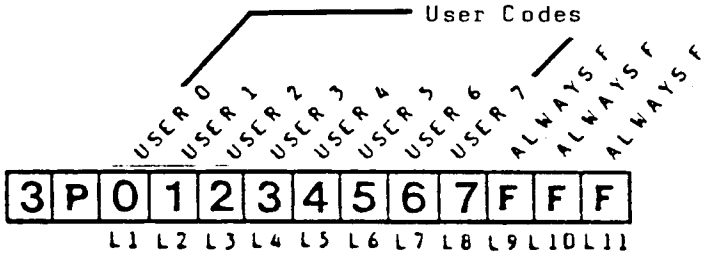



Step K. Program an F in all locations that are not desired. NOTE: User 0 can be programmed ONLY if keypad ambush is NOT used.

Program the appropriate USER CODES in Quad 4, 3P field, all locations that apply for all users of this system.

Example:

Quad 4



Program an F in all locations not desired. The following is an EXAMPLE of what the Central Office will receive in the event user 2 disarms the system.

Phone #1 account #123, Phone #2 account #224, Phone #3 account number 334.

| | | |
|---|---|---|
| 123 | 6 | Sent To Phone #1 |
| 123 | 6 | |
| Sub Code | Opening | |
| 666 | 2 | |
| 666 | 2 | |
| Opening | User 2 | |

| | | |
|---|---|---|
| 224 | 6 | Sent To Phone #2 |
| 224 | 6 | |
| Subs.Code | 2 | |
| 666 | 2 | |
| 666 | 2 | |
| Opening | User 2 | |

| | | |
|---|---|---|
| 334 | 666 | Sent To Phone #3 3 |
| 334 | 666 | |
| Subs. Code | Opening | |
| 666 | 2 | |
| 666 | 2 | |
| Opening | User 2 | |

Step L. Phone #1 Opening Account Number: Program in Quad 4, AC field the SAME 3 digit subscriber ACCOUNT NUMBER that was programmed in Quad 1, AC field.

Step M. Phone #2 Opening Account Number: Program in QUAD 4, AL FIELD locations L1-L3 the SAME 3 DIGIT SUBSCRIBER ACCOUNT NUMBER previously programmed in QUAD 3, 3P FIELD, locations L1-L3. QUAD 4, AL FIELD, location L4 MUST be programmed "F".

Step N. Phone #3 Opening Account Number: Program in QUAD 4, AL FIELD locations L5-L7 the SAME 3 DIGIT SUBSCRIBER ACCOUNT NUMBER that was programmed in QUAD 3, 3P FIELD, L5-L7. QUAD 4, AL FIELD, locations L8-L11 MUST be programmed "F". If this format is only desired for 2 phone numbers, locations L5-L11 must be programmed "F".

Step O. The last step for this format is to leave AF & FF, FIELDS of Quad 4 blank.

## EC AND EO

EXPANDED CLOSING and EXPANDED OPENING is the second format which can be used so that individual closing and opening codes can be reported to the Central Office if multiple personnel are arming disarming this system. However, it will be necessary for the CENTRAL OFFICE to allocate 3 SUBSCRIBER ACCOUNT NUMBERS for each system with this format. One ACCOUNT number for all the zones of this system, one CLOSING ACCOUNT number, and one OPENING ACCOUNT NUMBER. Program this format as follows:

Step A. Program an F in Quadrant 2, OP field, locations L1 & L2 (printed on the Quad 1 & 2 program sheet as closing code and opening code.

Step B. Program an appropriate digit in Quad 2, AF field, location L1 which selects QUAD SWITCHING.

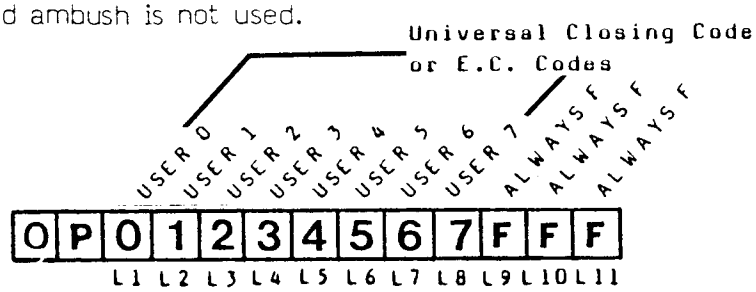
Step C. Program an appropriate digit in Quad 2, AF field, location L2 which selects MUC & MUO, UC & UO or EC and EO.

Step D. Program a 3 digit CLOSING ACCOUNT NUMBER in Quad 3, AC field, locations L1, L2 & 13. This account number should be different from the subscriber account number which was programmed in Quad 1, AC field. (NOTE: All other fields in Quad 3 should be left blank UNLESS UAL IS DESIRED.

Step E. Program in Quad 4, OP field, a different EC code for each location that applies for all users of this system. (NOTE: User 0 code can be programmed ONLY if keypad ambush is not used.

Example:

Quad 4



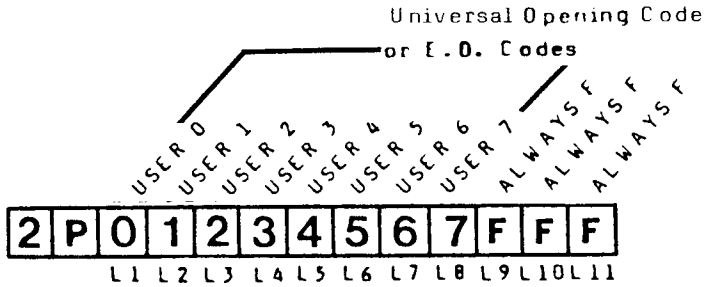

Program an F in all locations not desired. The following is an EXAMPLE of what the Central Office will receive if user 2 arms the system, with CLOSING ACCOUNT NUMBER 1, 2, 4.

| | |
|---|---|
| 124 | 2 |
| 124 | 2 |
| Closing Acct. | User 2 |

Step F. Program in Quad 4, 2P field, a different EO code for each location that applies for all users of this system.

Example:

Quad 4




Program an F in all locations not desired.

Step G. Program in Quad 4, AC field locations L1, L2, & L3 a 3 digit OPENING ACCOUNT NUMBER. This number should be different from the original subscriber account number which was programmed in Quad 1, AC field, and different from the CLOSING ACCOUNT NUMBER which was programmed in Quad 3, AC field.

Step H. The last step in this procedure is to leave fields 1P, 3P, AF, FF and AL blank.

NOTE: R75 on the XL1219 must NOT be cut when the MUC, MUO, UC UO or EC, EO formats are desired.

# 4+2 Format

(Double Alarm Digits)

The XL1219 is capable of reporting to the Central Office via the 4+2 format (4 digit account number, & 2 digit alarm codes). The Programming procedure is as follows:

Step A. Program an appropriate digit in QUAD 1 AF FIELD LOCATION L2, which DOES NOT contain UR, UT, UAL or UA. These universal formats MAY NOT be used in conjunction with double alarm digits.

Step B. Program a 4 digit subscriber account number in QUAD 1 AC FIELD locations L1-L4.

Step C. Program an appropriate digit in QUAD 2 AF FIELD LOCATION L1 which selects QUAD SWITCHING.

Step D. Program an appropriate digit in QUAD 2 AF FIELD LOCATION L2, which DOES NOT contain UC, UO, or EC, EO, if double alarm digits format is desired for (8) multiple closing & opening codes.

Step E. To program the ALARM CODES for all the zones that apply, the FIRST digit (digit 1) must be entered in QUAD 1, AL FIELD all respective locations. Enter the second digit (DIGIT 2) in QUAD 3, OP field all CORRESPONDING locations. See example

Example:

| QUAD 1 | AMBUSH | PANIC | Always F | FIRE | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | F | DIGIT 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | L | 1 | 1 | F | 1 | 0 | 0 | 0 | 0 | 0 | 0 | F | ALARM CODES |

| QUAD 3 | AMBUSH | PANIC | Always F | FIRE | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | F | DIGIT 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| O | P | 1 | 2 | F | 4 | 1 | 2 | 3 | 4 | 5 | 6 | F | ALARM CODES |

In the example above, the Panic alarm code is 12, the zone 2 alarm code is 02, etc.

NOTE: All zones 1-6 which have been selected as 24 hr trouble zones must have their respective locations in QUAD 1, AL field, and QUAD 3 OP field programmed F. The L11 location in both fields must also be programmed F.

Step F. To program the TROUBLE CODES for all zones that apply and the closing and opening (single user) the FIRST digits (DIGIT 1) must be entered in QUAD 2, OP FIELD, all respective locations. Enter the SECOND DIGITS (digit 2) in QUAD 3 1P FIELD all CORRESPONDING locations. See example.

Example:

| QUAD 2 | CLOSING | OPENING | ALWAYS F | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | CT ZONE | F | DIGIT 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| O | P | 2 | 2 | F | 3 | 3 | 3 | 3 | 3 | 3 | 3 | F | TROUBLE/BYPASS CODES |

| QUAD 3 | CLOSING | OPENING | ALWAYS F | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | CT ZONE | F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P | 1 | 2 | F | 1 | 2 | 3 | 4 | 5 | 6 | 7 | F | TROUBLE/BYPASS CODES |

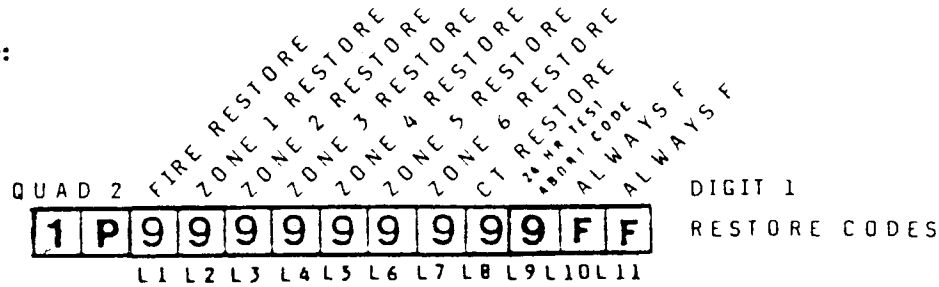
In the example above the zone 2 TROUBLE CODE is 32, the COMMON TROUBLE ZONE CODE is 37.

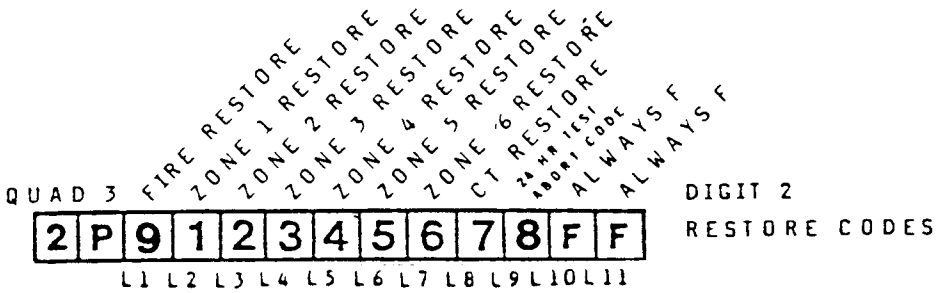
NOTE: All zones selected as 24 hr Trouble Zones and the Common Trouble Zone must have their Trouble Codes programmed in these fields. All zones which have been selected as Controlled Zones, that will report Trouble Codes (Bypass) must have their Trouble Codes entered in these fields. All zones not desired to send Trouble Codes must have their respective locations programmed F.

NOTE: The L1 & L2 closing & opening locations of both fields may be programmed in the event only one closing and one opening report is desired when any user arms and disarms the system. If multiple closing and openings are desired, the L1 & L2 LOCATIONS of BOTH FIELDS MUST be programmed F.

Step G. To program the RESTORE CODES, 24 HR TEST CODE, and the ABORT CODE for all zones desired, Digit 1 of all codes must be entered in QUAD 2, 1P FIELD all respective locations. Digit 2 of all codes must be entered in QUAD 3, 2P FIELD, all CORRESPONDING locations. See example.

Example:




In the example above the zone 2 Restore Code is 92, the abort code is 98. The Abort Code will be sent for all zones programmed as Abort Code on Abort in QUAD 2, 2P FIELD.

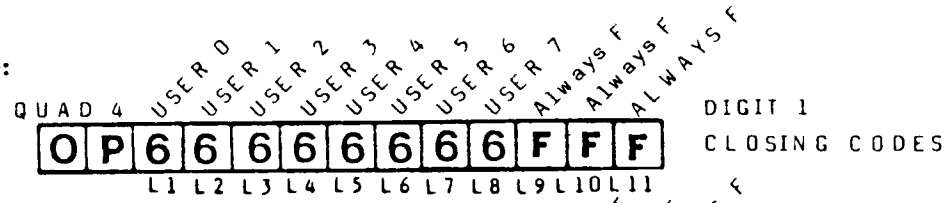
NOTE: All zones which are not desired to report restore codes MUST have their respective locations in both fields programmed F. The L10 & L11 locations in both fields must always be programmed F.

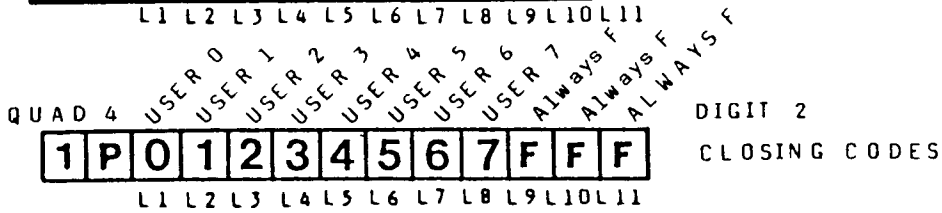
Step H: If MULTIPLE closing & opening codes by user are NOT desired, the remaining fields of QUAD 3, and all fields of QUAD 4 must be left blank, and the R75 resistor jumper MUST NOT be cut.

Step I. If multiple Closing & Opening Codes are desired (DOUBLE ALARM DIGITS), program the same 4 digit subscriber account number in QUAD 3, AC FIELD LOCATIONS L1-L4 that was programmed in QUAD 1, AC FIELD. All other fields in QUAD 3 MUST be left blank except OP, 1P, & 2P as explained above.

Step J. To program the CLOSING CODES for multiple users desired, Digit 1 of all codes MUST be entered in QUAD 4, OP FIELD, all respective locations. DIGIT 2 of all codes must be entered in QUAD 4, 1P FIELD, all CORRESPONDING locations for all users desired. See example

Example:



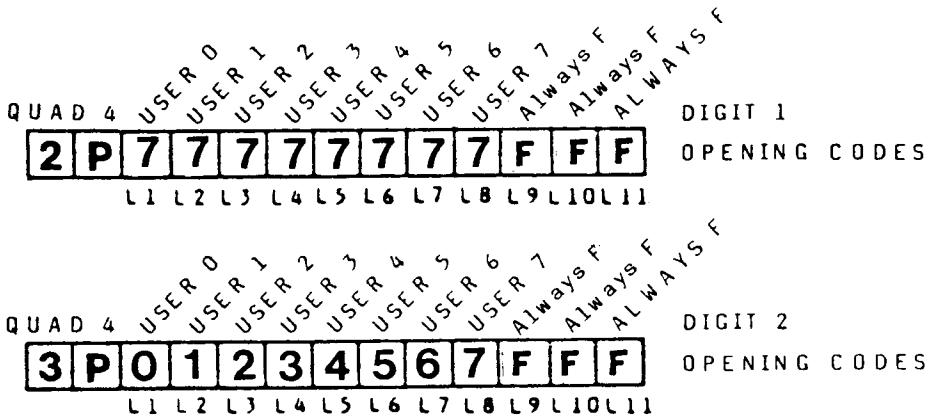




In the example above, user 2's CLOSING CODE is 62, user 7's CLOSING CODE is 67

NOTE: If Keypad Ambush is used, locations L1 in both of these (user 0) must be programmed F.

Step K: To program the OPENING CODES for multiple users desired, Digit 1 of all codes MUST be entered in QUAD 4, 2P FIELD, all respective locations. Digit 2 of all codes must be entered in QUAD 4, 3P field, all corresponding locations for all users desired. See example.

Example:







In the example above, user 2's OPENING CODE is 72, user 7's OPENING CODE is 77.

NOTE: If Keypad Ambush is used, location L1 in both fields must be programmed F.

Step L: Program the same 4 digit subscriber account number in QUAD 4, AC FIELD locations L1-L4, that was previously programmed in QUAD 1 AC FIELD.

Step M: All other fields in QUAD 4 must be left blank and the R75 resistor jumber MUST NOT be cut.

# DOUBLE DIGIT CODES
# PROGRAMMING SHEET

## QUADRANT 1

Common Phone Prefix

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| O | P | | | | | | | | | | |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 | |

1st Phone

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P | | | | | | | | | | |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 | |

2nd Phone

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | P | | | | | | | | | | |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 | |

3rd Phone

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | P | | | | | | | | | | |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 | |

# Attempts
Receiver Kiss Off

| | | | |
|---|---|---|---|
| A | F | | |
| L1 | L2 | | |

(DO NOT SELECT UR, UT, UAL, UA IN AF L2).

Receiver 1 Type
Receiver 2 Type
Receiver 3 Type

| | | | | |
|---|---|---|---|---|
| F | F | | | |
| L1 | L2 | L3 | | |

Account Number

| | | | | |
|---|---|---|---|---|
| A | C | | | |
| L1 | L2 | L3 | L4 | |

DIGIT 1
ALARM CODES

| AMBUSH / PANIC | ALWAYS F | FIRE | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | ALWAYS F |
|---|---|---|---|---|---|---|---|---|---|
| A | L | | | F | | | | | | | | F |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

*CT = COMMON TROUBLE

## QUADRANT 2

DIGIT 1
TROUBLE CODES

| CLOSING / OPENING | ALWAYS F | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | *CT ZONE | ALWAYS F |
|---|---|---|---|---|---|---|---|---|---|
| O | P | | | F | | | | | | | | F |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

DIGIT 1
RESTORE CODES

| FIRE / ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | *CT RESTORE / 24 Hr TEST / ABORT CODE | ALWAYS F | ALWAYS F |
|---|---|---|---|---|---|---|---|---|
| 1 | P | | | | | | | | | F | F |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

| FIRE | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | *CT ZONE | ALWAYS F | ALWAYS F | ALWAYS F |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | P | | | | | | | | F | F | F |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L19 | L11 |

| Fire Zone | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 6 | *CT Zone | Always F | Always F | Always F |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | P | | | | | | | | F | F | F |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

Dialing Type, 24 Hr Test, Bell Test Quad Switch
Keypad Panic Silent/Aud. Opening Always/Alarm Only

| | | | |
|---|---|---|---|
| A | F | | |
| L1 | L2 | | |

SELECT QUAD SWITCHING IN AF L1. DO NOT SELECT UC, UO, EC, EO IN AF L2.

Fall Back Exit Time
Fall Back Entrance Time
Bell Cut Off Time

| | | | | |
|---|---|---|---|---|
| F | F | | | |
| L1 | L2 | L3 | | |

Fall Back Code

| | | | | | |
|---|---|---|---|---|---|
| A | C | | | | |
| L1 | L2 | L3 | L4 | | |

| Always F | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 6 | Always F | Always F | Always F | Always F |
|---|---|---|---|---|---|---|---|---|---|---|
| A | L | F | | | | | | | F | F | F | F |
| L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

# DOUBLE DIGIT CODES
# PROGRAMMING SHEET

## QUADRANT 3

DIGIT 2
ALARM CODES

| | AMBUSH | PANIC | ALWAYS F | FIRE | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | ALWAYS F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| O P | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

DIGIT 2
TROUBLE CODES

| | CLOSING | OPENING | ALWAYS F | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | *CT ZONE | ALWAYS F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 P | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

DIGIT 2
RESTORE CODES

| | FIRE | ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | *CT RESTORE | ZONE TEST MODE CODE | ALWAYS F | ALWAYS F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 P | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 P | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

| | | |
|---|---|---|
| A F | | |
| | L1 | L2 |

| | | | |
|---|---|---|---|
| F F | | | |
| | L1 | L2 | L3 |

Closing Account #

| | | | | |
|---|---|---|---|---|
| A C | | | | |
| | L1 | L2 | L3 | L4 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A L | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

*CT = COMMON TROUBLE

## QUADRANT 4

DIGIT 1
CLOSING CODES

| | USER 0 | USER 1 | USER 2 | USER 3 | USER 4 | USER 5 | USER 6 | USER 7 | ALWAYS F | ALWAYS F | ALWA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| O P | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

DIGIT 2
CLOSING CODES

| | USER 0 | USER 1 | USER 2 | USER 3 | USER 4 | USER 5 | USER 6 | USER 7 | ALWAYS F | ALWAYS | ALW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 P | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

DIGIT 1
OPENING CODES

| | USER 0 | USER 1 | USER 2 | USER 3 | USER 4 | USER 5 | USER 6 | USER 7 | ALWAYS F | ALWAYS F | ALWA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 P | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

DIGIT 2
OPENING CODES

| | USER 0 | USER 1 | USER 2 | USER 3 | USER 4 | USER 5 | USER 6 | USER 7 | ALWAYS F | ALWAYS | ALWA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 P | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |

| | | |
|---|---|---|
| A F | | |
| | L1 | L2 |

| | | | |
|---|---|---|---|
| F F | | | |
| | L1 | L2 | L3 |

Opening Account #

| | | | | |
|---|---|---|---|---|
| A C | | | | |
| | L1 | L2 | L3 | L4 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A L | | | | | | | | | | | |
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 |