

PROGRAMMING THE PC4000

The PC4000 incorporates a new method of programming not similar to any previous DSC panel. The new method uses a menu system to arrive at a program location before data may be entered.

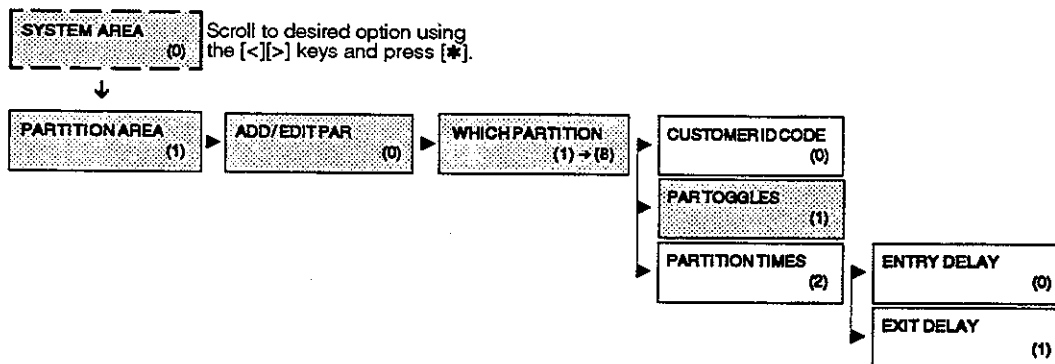
Book 1 contains the programming flow charts for the PC4000. The charts are arranged in such a way as to allow you to quickly find any option and the path required to arrive at the program location. In addition you will be able to see other options also available to you in the program area.

Plain boxes are program areas and shaded boxes are menu selections.

Two methods may be used to select the different menu items to arrive at a program location. With the first, you may use the arrow keys (<>) to scroll through the menu items. When the desired item is displayed press the [*] key. The [*] key is used as an 'ENTER' or 'SELECT' key. The panel will then move you to the next set of options.

The other method incorporates a 'HOTKEY' system. Every menu and program item contains a one or two digit 'HOTKEY' entry. Simply press the number(s) in the menu or program box and the panel will automatically select the item for you. DO NOT PRESS THE [*] AFTER ENTERING THE 'HOTKEY' NUMBER. This second method is much quicker once you become familiar with it.

EXAMPLE: We wish to program the Exit Delay for Partition 4. The following is the flow chart located in Book 1.



Using the first method the arrow keys would have to be pressed many times to scroll to the various items followed by the [*] key to select the item. Twelve keystrokes would be required after entering Installer Programming providing no mistakes are made. The keystrokes required are as follows:

- [>], [*] to select PARTITION AREA
- [*] to select ADD/EDIT PAR
- [>], [>], [>], [*] to select to PARTITION 4
- [>], [>], [*] to select PARTITION TIMES
- [>], [*] to select EXIT DELAY

Using the second 'HOTKEY' method we require only 5 keystrokes:

- [1] to select PARTITION AREA
- [0] to select ADD/EDIT PAR
- [4] to select PARTITION 4
- [2] to select PARTITION TIMES
- [1] to select EXIT DELAY

With less keystrokes required, programming is quicker as there is less chance of an error occurring.

At any time you may press the [#] key to exit a section. ANY DATA ENTERED WILL BE CHANGED. THE [#] KEY IS NOT AN ABORT KEY! The [#] key can also be pressed to move you back to the previous menu. Pressing the [#] key several times will exit you from Installer Programming.

To make programming easier the INDEX at the back of Programming Manual includes the chart number beside every option as well as the page number for a description of the option.

Programming Toggle Options

Some program areas contain several toggle options which pertain to the menu item selected. Use the arrow keys (<>) to scroll through the various items. Press the [*] key to toggle between [Y]es and [N]o for each feature. Once all the toggle options have been programmed press the [#] key to save your changes and return to the previous menu.

Programming HEX Digits

Often HEX digits are required for a program item. When a HEX digit is required press the [*] key to enter the HEX menu. You may use the arrow keys to scroll through the HEX digits (A through F) and when the desired letter is displayed press the [*] key.

Another much quicker method for entering HEX digits is to, first, press the [*] key followed by the number corresponding to the HEX letter i.e. A = 1, B = 2, C = 3 and so on. The [*] key must be pressed before entering each HEX digit as the software returns you to decimal programming automatically after each entry.

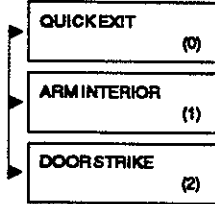
EXAMPLE: To enter data 'ABCD' on a PC4000 you would enter:
[*], [1], [*], [2], [*], [3], [*], [4]

NOTE: The [] key is required before every HEX digit entered.*

USER FUNCTIONS PROGRAMMING FLOW CHARTS

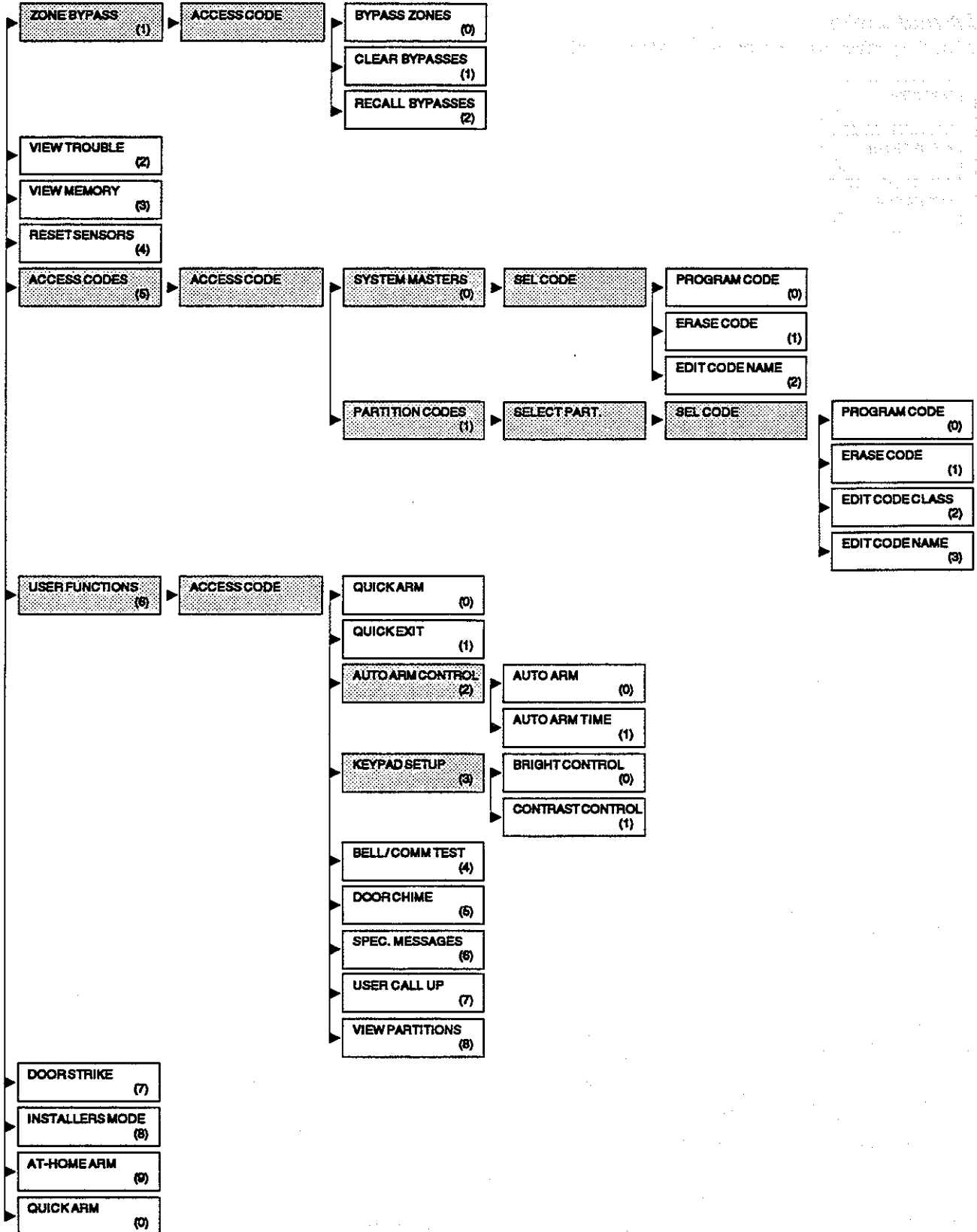
Armed State

While the partition is armed, press the [*] key to call up this menu.



Disarmed State

While the partition is disarmed, press the [*] key to call up this menu.



PROGRAMMING FLOW CHARTS

| | | Page |
|------------------------|--------------------------|------|
| SYSTEM AREA (0) | INSTALLER OPT'S (00) | 8 |
| | LCD MESSAGES (01) | 8 |
| | CODE ASSIGNMENT (02) | 8 |
| | SYSTEM OPTIONS (03) | 9 |
| | DLS SECTION (04) | 11 |
| | COMMUNICATOR (05) | 12 |
| | SWAUX OUTPUT (06) | 16 |
| | MAIN BELL OUTPUT (07) | 16 |
| | PGM OUTPUTS (08) | 16 |
| | RS-232 OPTIONS (09) | 18 |
| PARTITION AREA (1) | ADD/EDIT PAR (0) | 20 |
| | DELETE PARTITION (1) | 20 |
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| MODULE HARDWARE (2) | ENROLL MODULE (0) | 22 |
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Handwritten notes at the top right corner, possibly including a date or page number.

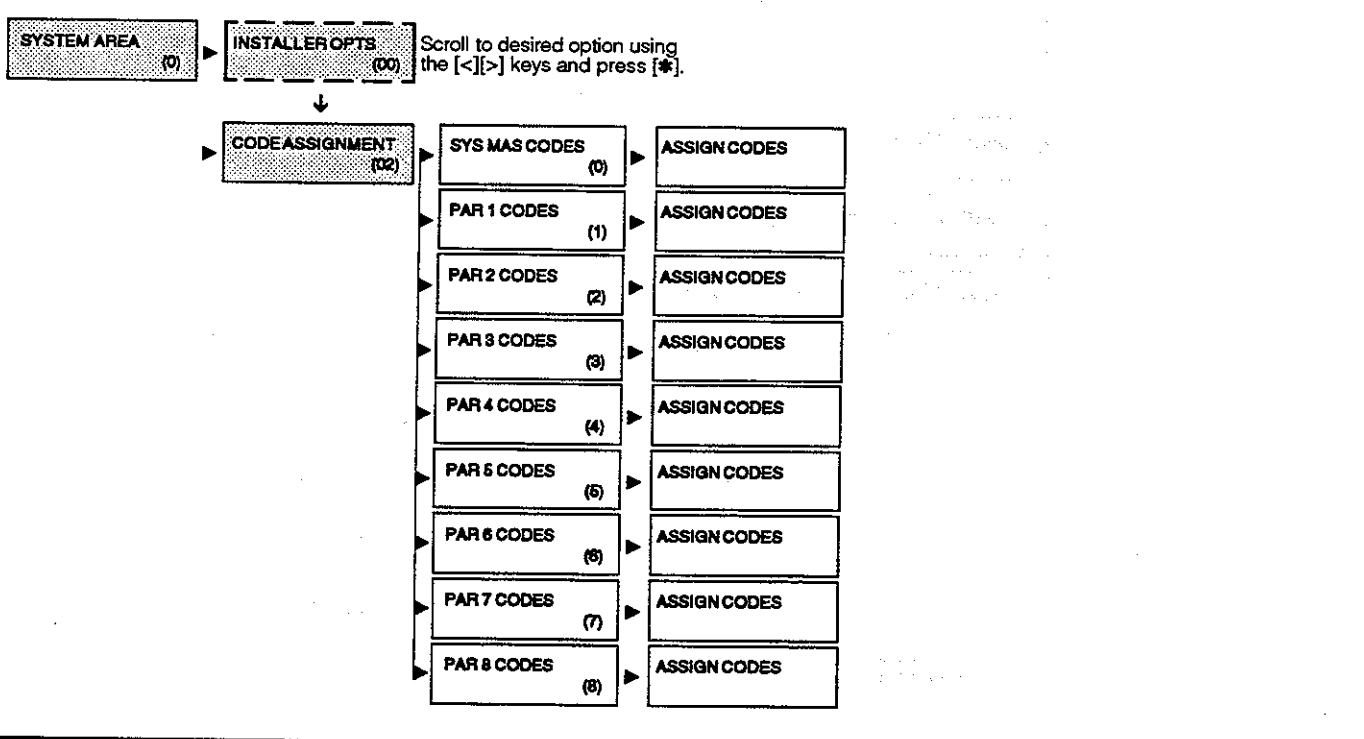
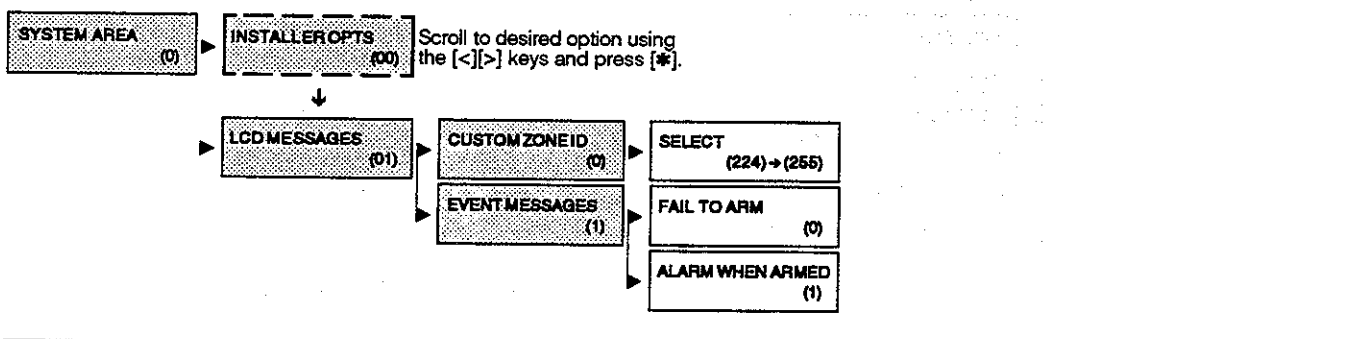
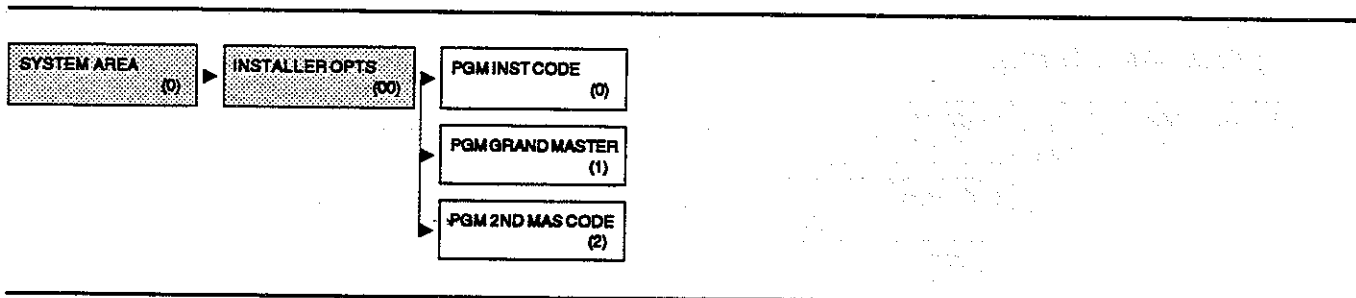
Main body of handwritten text, consisting of multiple lines of cursive script, likely a letter or a journal entry.

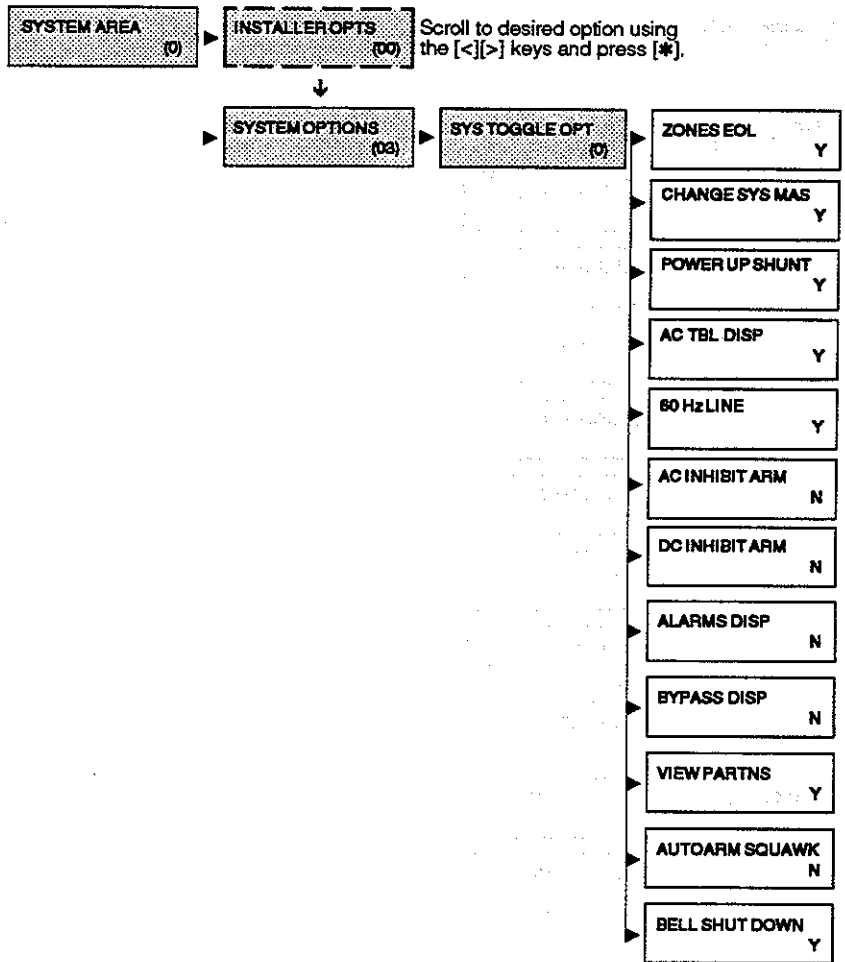
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System Area Index

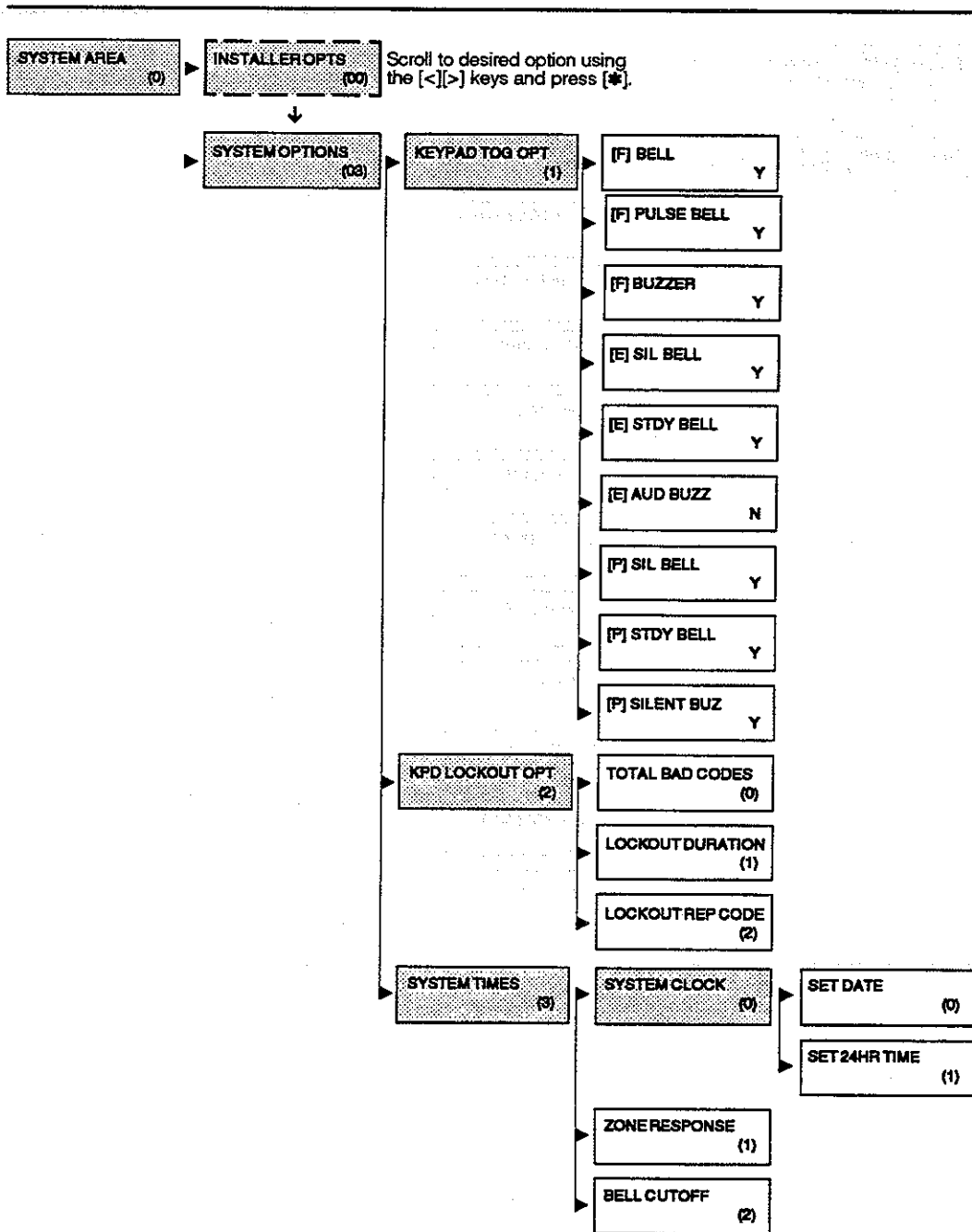
| | Page |
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| SYSTEM AREA (0) | |
| INSTALLER OPT'S (00) | 8 |
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| 4216 CUSTOM (3) | 16 |
| PGM PULSE TIMES (4) | 16 |
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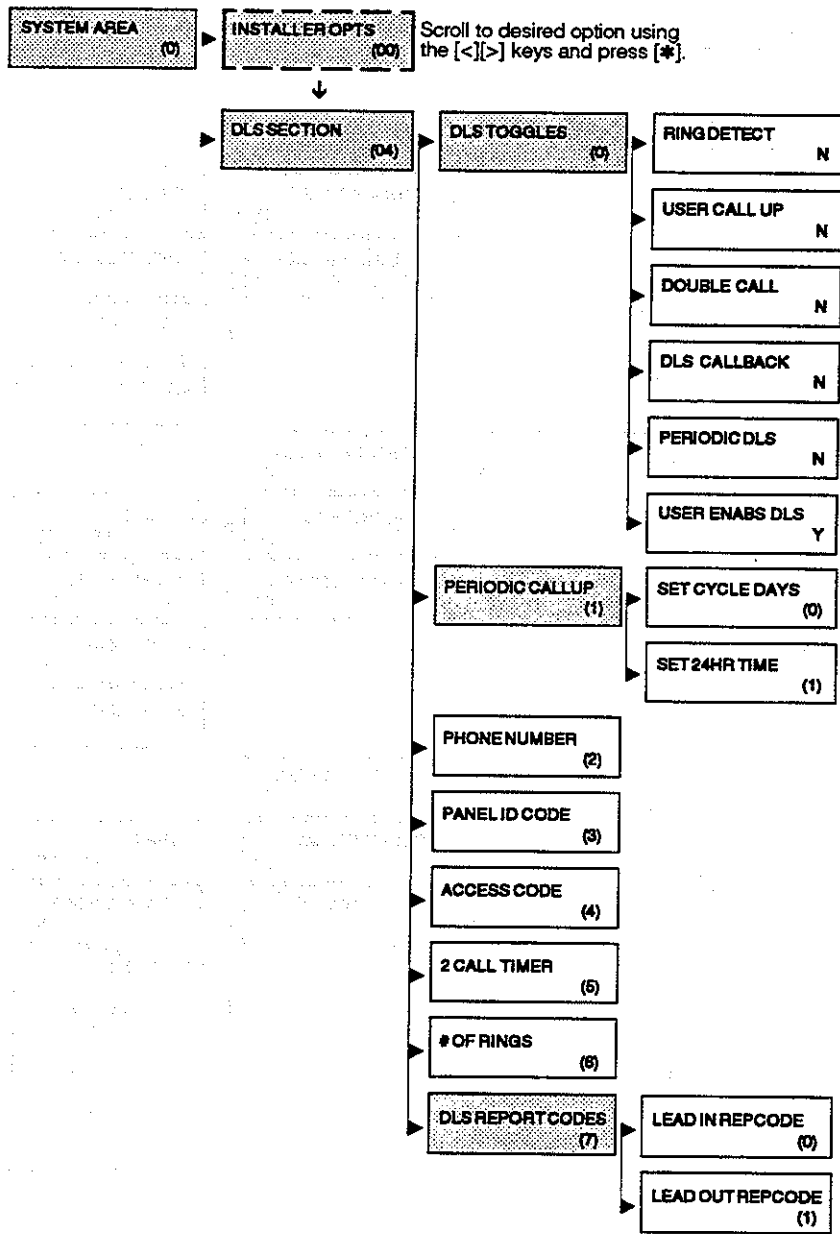
SYSTEM AREA ▶ INSTALLER OPTS/LCD MESSAGES/ CODE ASSIGNMENT



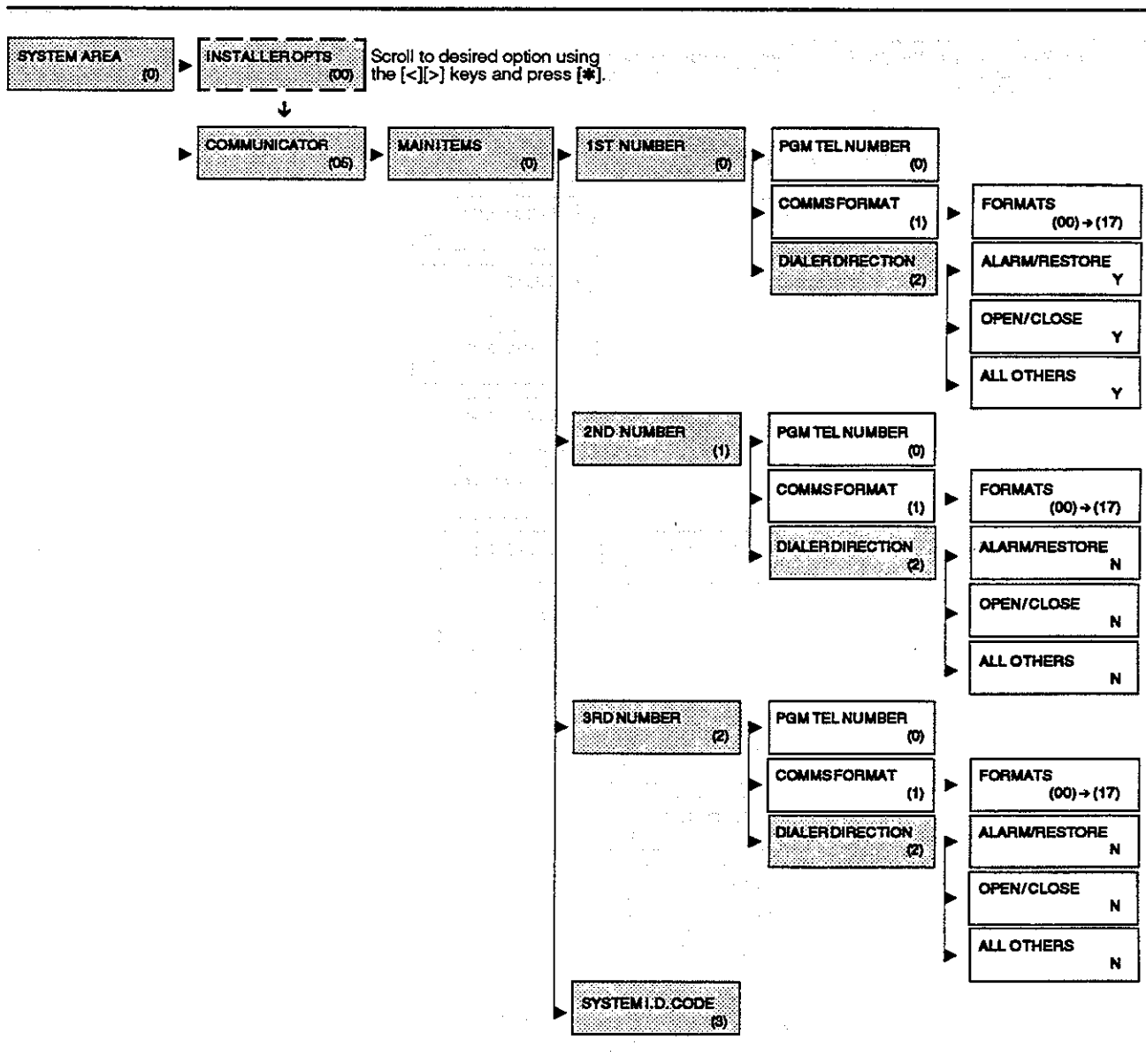


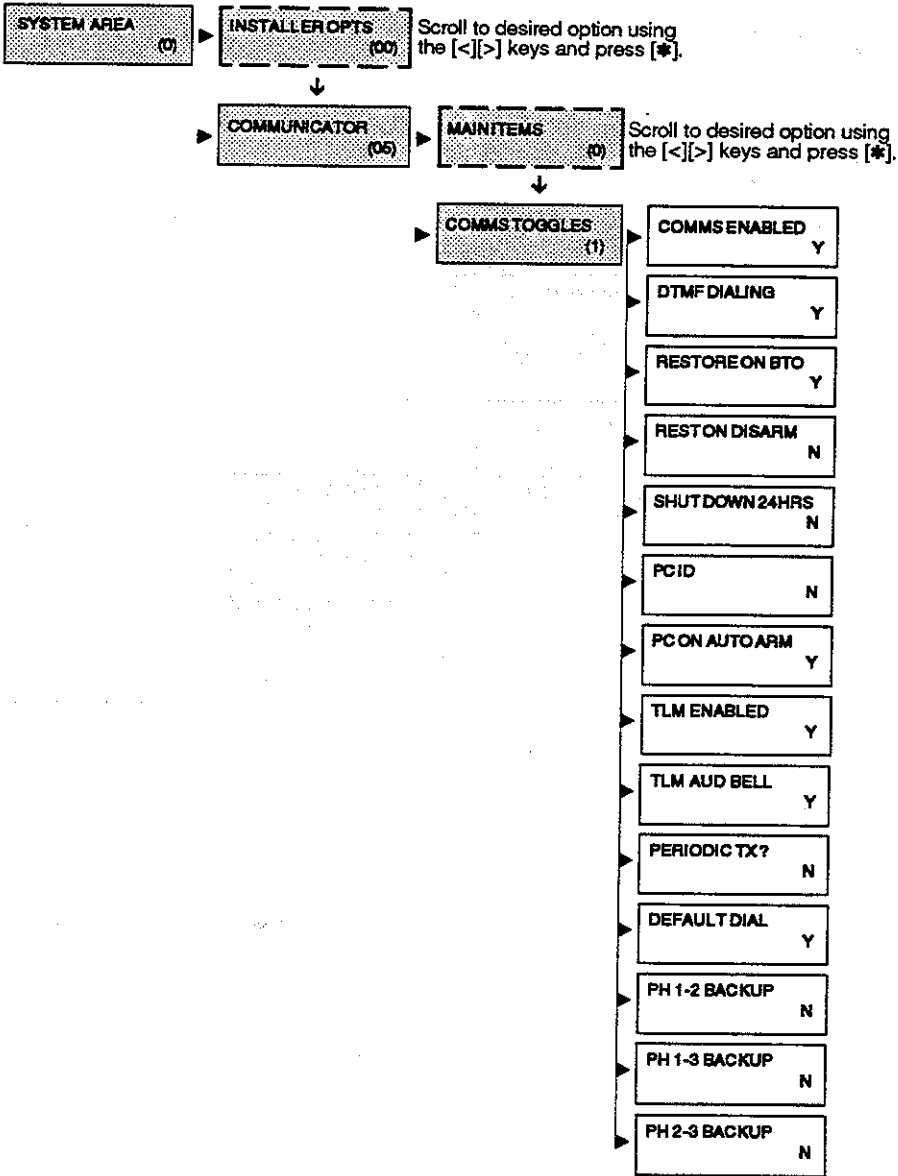
SYSTEM AREA ▶ SYSTEM OPTIONS ▶ KEYPAD TOG OPT/KPD LOCKOUT OPT/SYSTEM TIMES



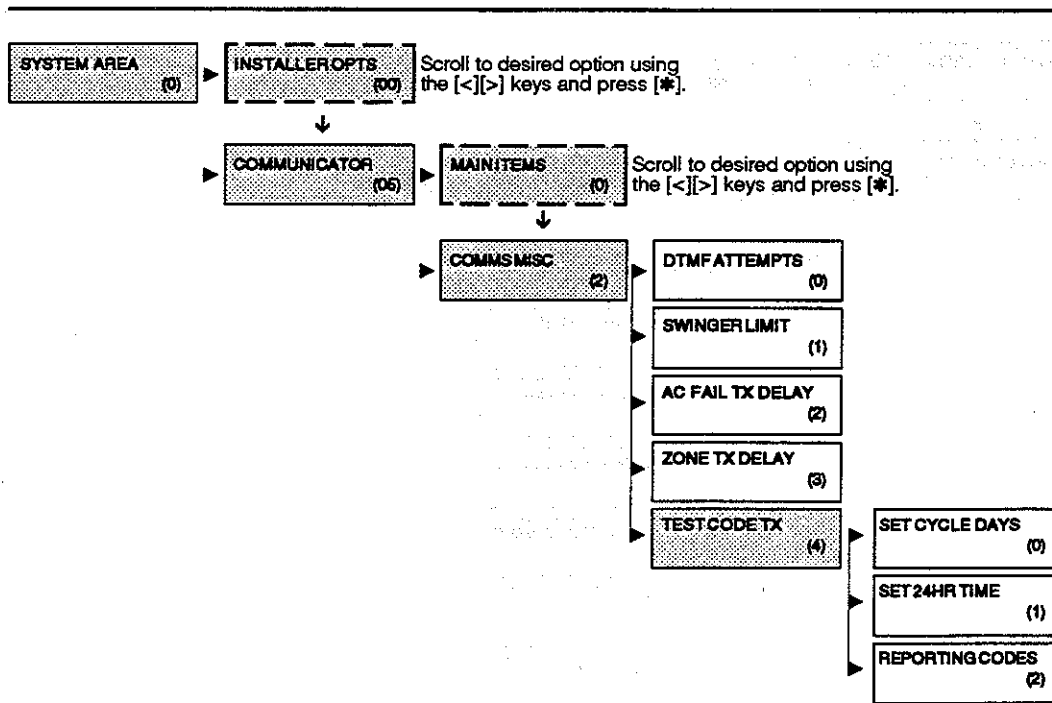


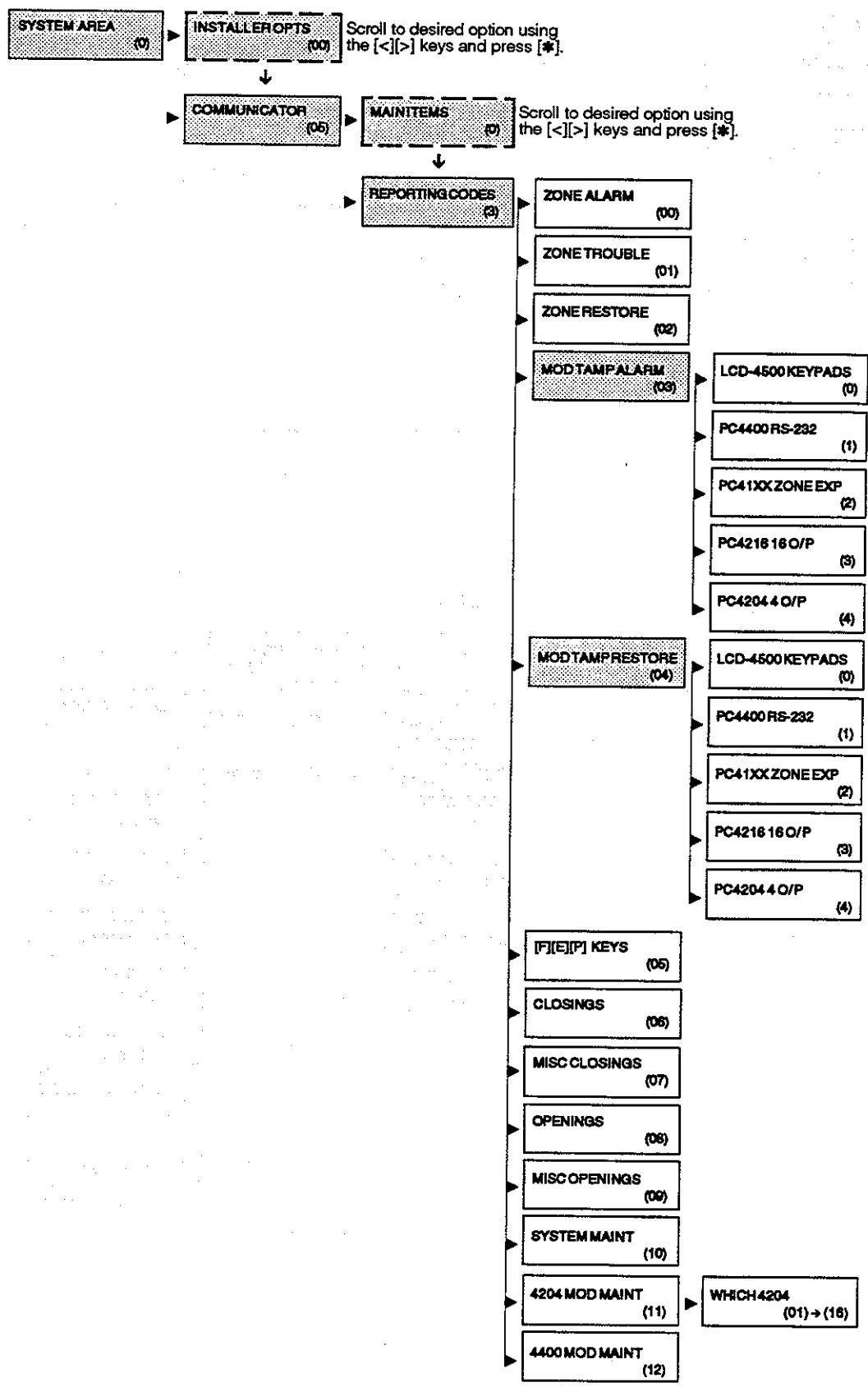
SYSTEM AREA ▶ COMMUNICATOR ▶ MAIN ITEMS ▶ PHONE #'s/FORMAT/DIALER DIRECTION





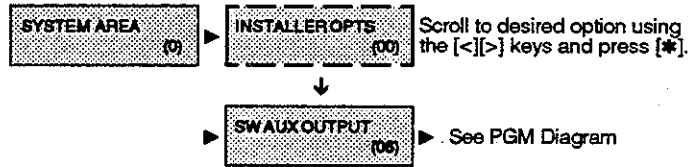
SYSTEM AREA ▶ COMMUNICATOR ▶ COMM MISC



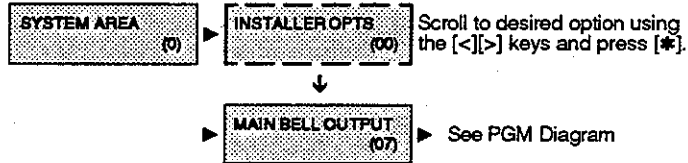


SYSTEM AREA ▶ SW AUXOUTPUT/MAIN BELL OUTPUT/PGM OUTPUTS

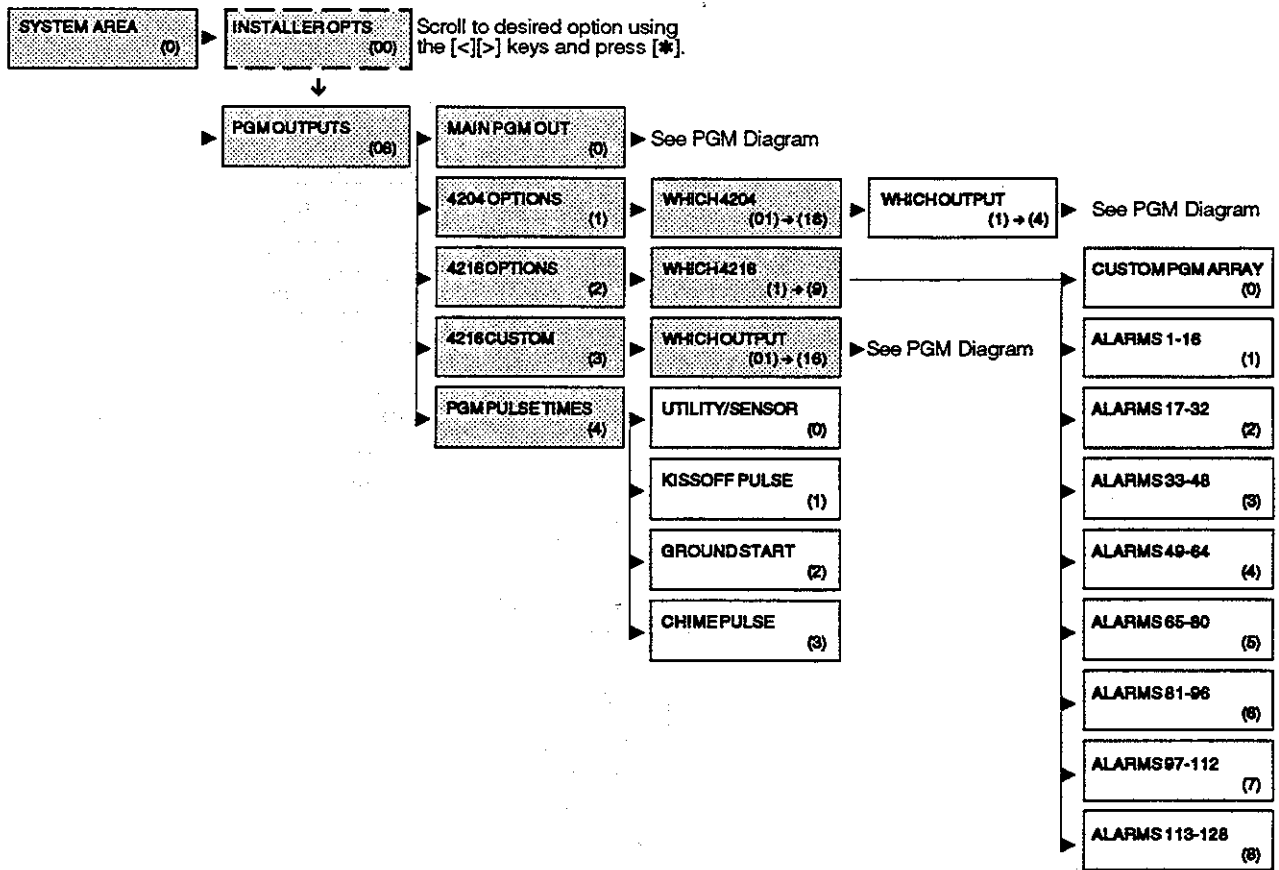
SYSTEM AREA ▶ SW AUXOUTPUT



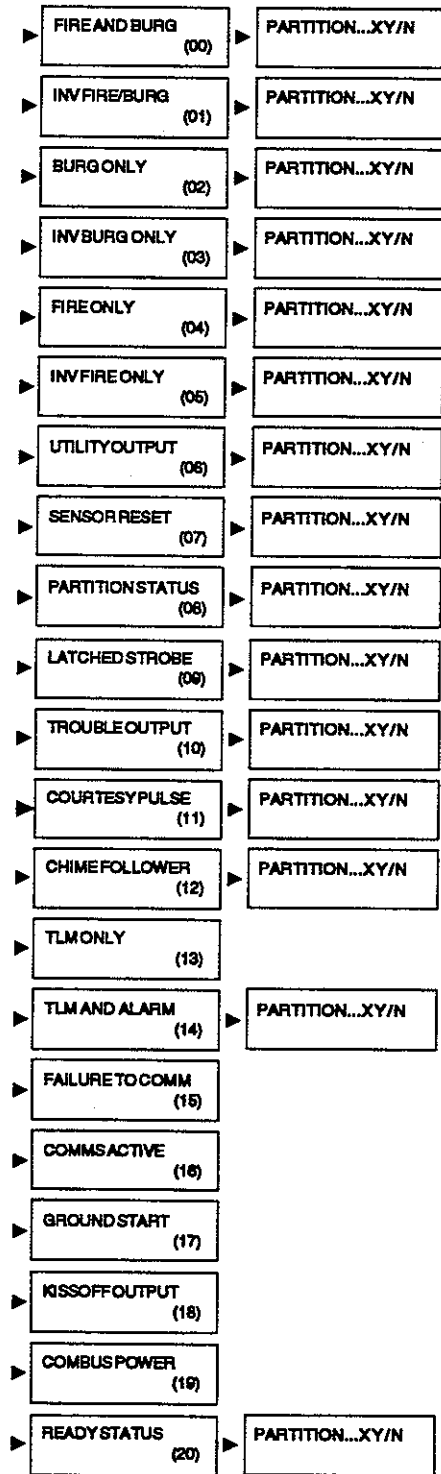
SYSTEM AREA ▶ MAIN BELL OUTPUT



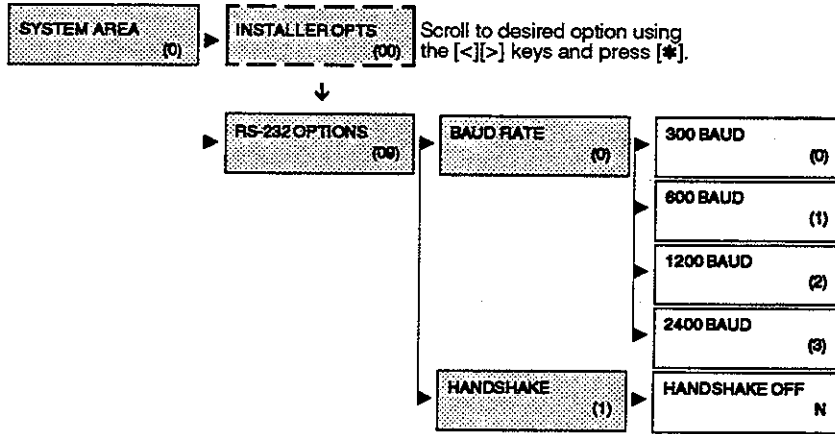
SYSTEM AREA ▶ PGM OUTPUTS



PGM Diagram



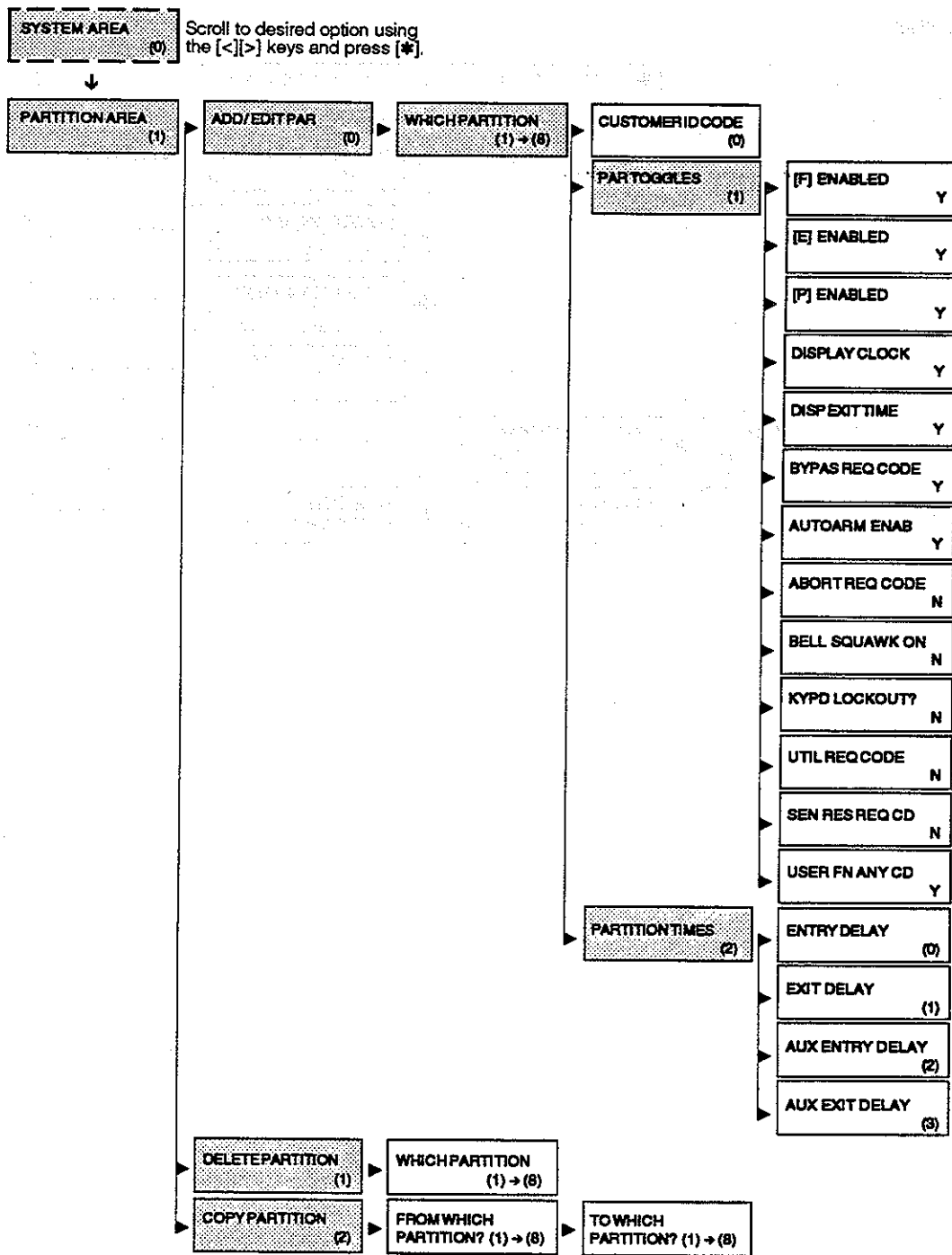
SYSTEM AREA ▶ RS-232 OPTIONS

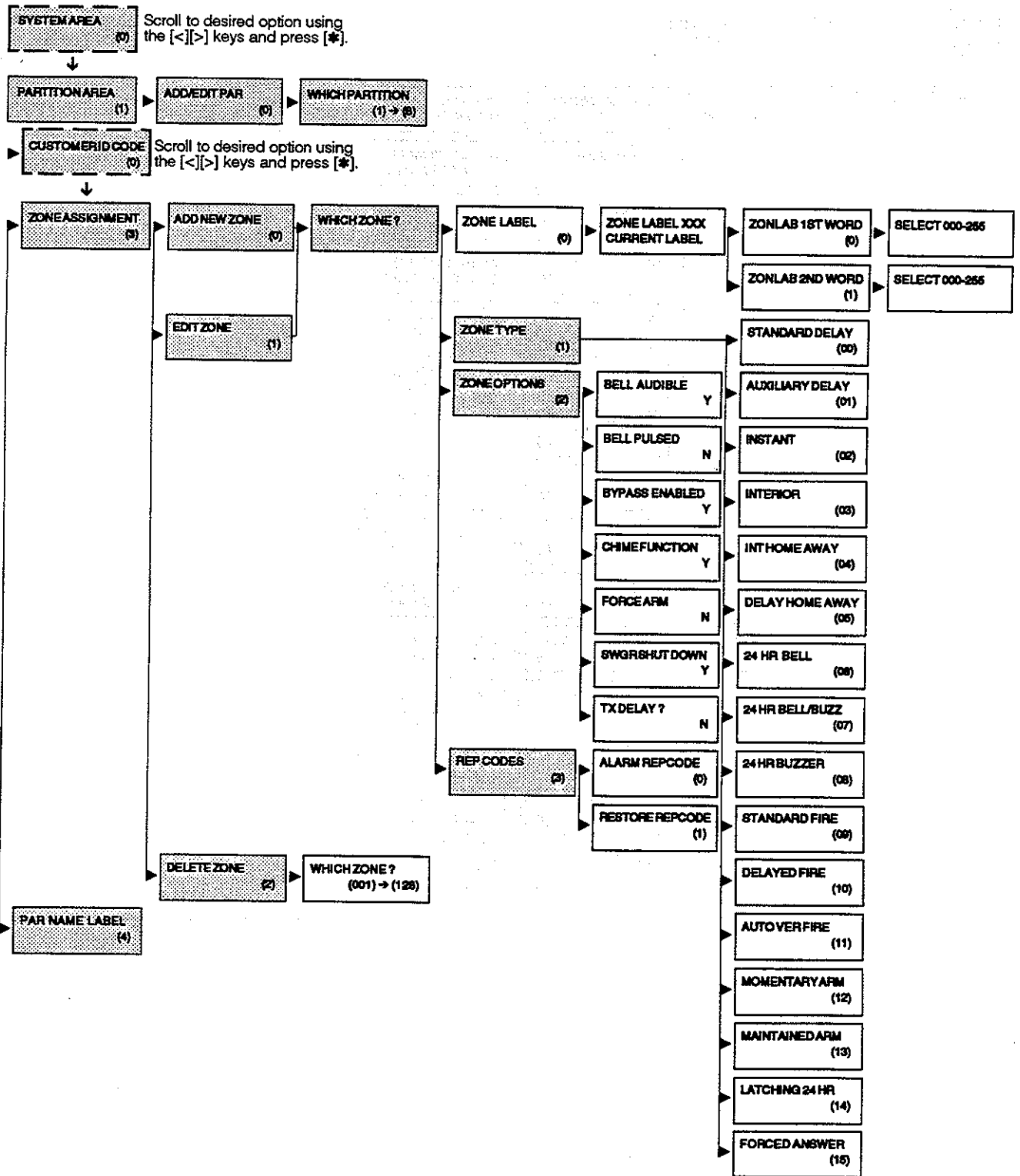


Partition Area Index

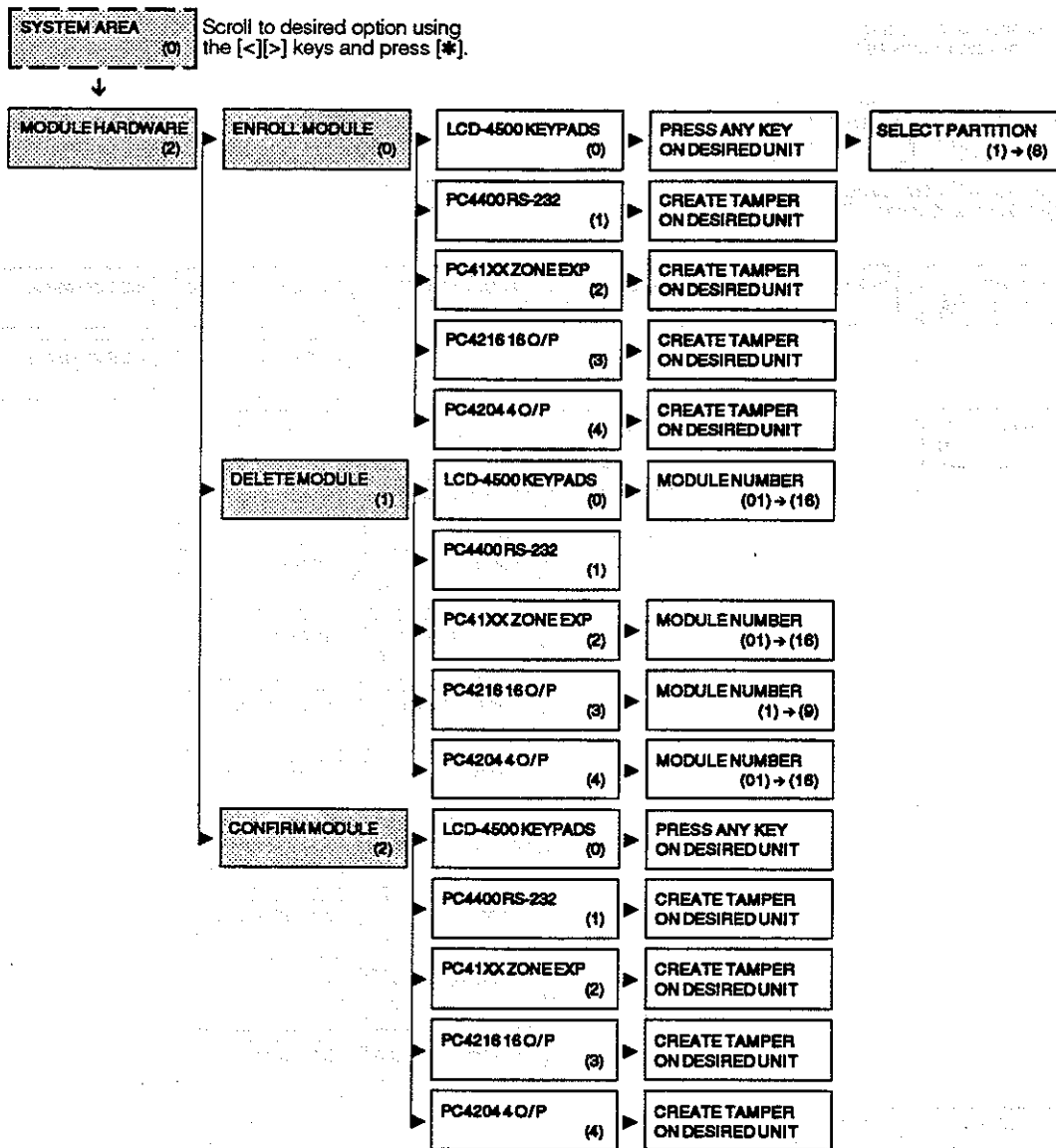
| | | Page | |
|--------------------|------------------------------|------------------------------------|---------------------------------------|
| PARTITION AREA (1) | ADD/EDIT PAR (0) | WHICH PARTITION (1) → (8) | CUSTOMER ID CODE (0) _____ 20 |
| | | | PARTOGGLES (1) _____ 20 |
| | | | PARTITION TIMES (2) _____ 20 |
| | ZONE ASSIGNMENT (3) _____ 21 | | |
| | PAR NAME LABEL (4) _____ 21 | | |
| | DELETE PARTITION (1) | WHICH PARTITION (1) → (8) _____ 20 | |
| | COPY PARTITION (2) | FROM WHICH PARTITION? (1) → (8) | TOWHICH PARTITION? (1) → (8) _____ 20 |

PARTITION AREA ▶ ADD/EDIT PAR ▶ PAR TOGGLES/PARTITION TIMES

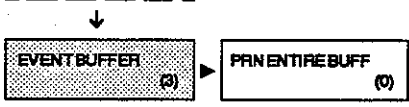




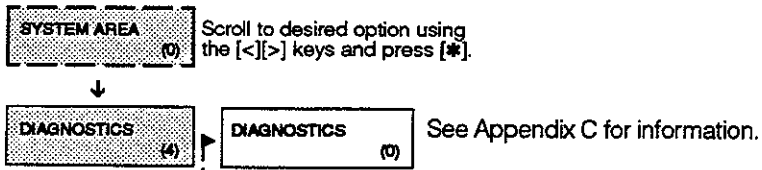
MODULE HARDWARE ► ENROLL MODULE/DELETE MODULE/CONFIRM MODULE



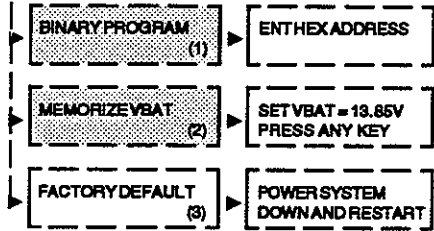
SYSTEM AREA (0) Scroll to desired option using the [**<**][**>**] keys and press [*****].



DIAGNOSTICS



The following menus are present for first minute after power up only.



APPENDIX A

List of Available ASCII Characters

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| 032 | ! | 048 | Q | 064 | @ | 080 | P | 096 | . | 112 | 7 | 160 | l | 176 | 1 | 192 | 3 | 208 | 7 | 224 | 8 | 240 | P |
| 033 | " | 049 | 1 | 065 | A | 081 | Q | 097 | W | 113 | 8 | 161 | o | 177 | 2 | 193 | 4 | 209 | 8 | 225 | 9 | 241 | Q |
| 034 | # | 050 | 2 | 066 | B | 082 | R | 098 | E | 114 | 9 | 162 | r | 178 | 3 | 194 | 5 | 210 | 9 | 226 | 0 | 242 | Q |
| 035 | \$ | 051 | 3 | 067 | C | 083 | S | 099 | C | 115 | 0 | 163 | l | 179 | 4 | 195 | 6 | 211 | 0 | 227 | 1 | 243 | S |
| 036 | % | 052 | 4 | 068 | D | 084 | T | 100 | G | 116 | t | 164 | \ | 180 | I | 196 | 7 | 212 | 1 | 228 | 2 | 244 | T |
| 037 | & | 053 | 5 | 069 | E | 085 | U | 101 | e | 117 | u | 165 | . | 181 | O | 197 | 8 | 213 | 2 | 229 | 3 | 245 | U |
| 038 | ' | 054 | 6 | 070 | F | 086 | V | 102 | f | 118 | v | 166 | u | 182 | カ | 198 | 9 | 214 | 3 | 230 | 4 | 246 | V |
| 039 | (| 055 | 7 | 071 | G | 087 | W | 103 | g | 119 | w | 167 | 7 | 183 | . | 199 | 0 | 215 | 4 | 231 | 5 | 247 | W |
| 040 |) | 056 | 8 | 072 | H | 088 | X | 104 | X | 120 | x | 168 | 7 | 184 | ナ | 200 | 1 | 216 | 5 | 232 | 6 | 248 | X |
| 041 | ^ | 057 | 9 | 073 | I | 089 | Y | 105 | i | 121 | y | 169 | 7 | 185 | ケ | 201 | 2 | 217 | 6 | 233 | 7 | 249 | Y |
| 042 | * | 058 | : | 074 | J | 090 | Z | 106 | j | 122 | z | 170 | H | 186 | コ | 202 | 3 | 218 | 7 | 234 | 8 | 250 | Z |
| 043 | + | 059 | ; | 075 | K | 091 | [| 107 | k | 123 | [| 171 | オ | 187 | サ | 203 | 4 | 219 | 8 | 235 | 9 | 251 | [|
| 044 | , | 060 | < | 076 | L | 092 |] | 108 | l | 124 |] | 172 | カ | 188 | シ | 204 | 5 | 220 | 9 | 236 | 0 | 252 |] |
| 045 | - | 061 | = | 077 | M | 093 | _ | 109 | m | 125 | _ | 173 | 一 | 189 | ス | 205 | 6 | 221 | 0 | 237 | 1 | 253 | _ |
| 046 | . | 062 | > | 078 | N | 094 | ^ | 110 | n | 126 | ^ | 174 | ヨ | 190 | セ | 206 | 7 | 222 | 1 | 238 | 2 | 254 | ^ |
| 047 | / | 063 | ? | 079 | O | 095 | _ | 111 | o | 127 | . | 175 | ッ | 191 | ソ | 207 | 8 | 223 | 2 | 239 | 3 | 255 | _ |

MEMORANDUM FOR THE RECORD

On 1-10-51, the following information was received from the [illegible] office:

[The remainder of the text in this block is extremely faint and illegible due to the quality of the scan. It appears to be a memorandum detailing a report or set of instructions.]



APPENDIX B

List of Available Library Words

| | | | |
|-----------------|------------------|----------------|----------------|
| 000 BLANK LABEL | 037 "CELLAR" | 074 "ENTRANCE" | 111 "JANITOR" |
| 001 "1ST" | 038 "CENTRE" | 075 "ENTRY" | 112 "KEY" |
| 002 "2ND" | 039 "CHAMBER" | 076 "EXIT" | 113 "KITCHEN" |
| 003 "3RD" | 040 "CHIMNEY" | 077 "EXTERNAL" | 114 "LAB" |
| 004 "4TH" | 041 "CHINA" | 078 "FACTORY" | 115 "LAUNDRY" |
| 005 "5TH" | 042 "CHUTE" | 079 "FAMILY" | 116 "LEFT" |
| 006 "ACCESS" | 043 "CLOSET" | 080 "FENCE" | 117 "LIFT" |
| 007 "AMBULANCE" | 044 "COLD" | 081 "FIELD" | 118 "LIGHT" |
| 008 "APARTMENT" | 045 "COMPUTER" | 082 "FIRE" | 119 "LINES" |
| 009 "ATRIUM" | 046 "CONDO" | 083 "FLOOD" | 120 "LIQUOR" |
| 010 "ATTIC" | 047 "CONTACT" | 084 "FLOOR" | 121 "LIVING" |
| 011 "BABY" | 048 "COPIER" | 085 "FOIL" | 122 "LOBBY" |
| 012 "BACK" | 049 "CORRIDOR" | 086 "FORCE" | 123 "LOFT" |
| 013 "BALCONY" | 050 "CORNER" | 087 "FOYER" | 124 "LOOP" |
| 014 "BAR" | 051 "CRAWL" | 088 "FRONT" | 125 "LOT" |
| 015 "BARN" | 052 "DARK" | 089 "FULL" | 126 "LOW" |
| 016 "BASEMENT" | 053 "DECK" | 090 "FURNACE" | 127 "LUNCH" |
| 017 "BATHROOM" | 054 "DEN" | 091 "FUSE" | 128 "MACHINE" |
| 018 "BAY" | 055 "DESK" | 092 "GARAGE" | 129 "MAIL" |
| 019 "BEAM" | 056 "DETECTOR" | 093 "GAS" | 130 "MANAGER" |
| 020 "BEDROOM" | 057 "DEVICE" | 094 "GATES" | 131 "MASTER" |
| 021 "BELL" | 058 "DINING" | 095 "GLASS" | 132 "MEDICAL" |
| 022 "BOILER" | 059 "DISH" | 096 "GROUP" | 133 "MEETING" |
| 023 "BOTTOM" | 060 "DISPLAY" | 097 "GUARD" | 134 "MIDDLE" |
| 024 "BOX" | 061 "DOOR" | 098 "GUEST" | 135 "MODULE" |
| 025 "BREAK" | 062 "DOORBELL" | 099 "GUNS" | 136 "MOTION" |
| 026 "BROKEN" | 063 "DOWNSTAIRS" | 100 "GYM" | 137 "NE" |
| 027 "BURGLARY" | 064 "DRAWER" | 101 "HALLWAY" | 138 "NW" |
| 028 "CABINET" | 065 "DRIVEWAY" | 102 "HEAT" | 139 "NORTH" |
| 029 "CAFE" | 066 "DRY" | 103 "HOSE" | 140 "NURSERY" |
| 030 "CAGE" | 067 "DUCTS" | 104 "HOT" | 141 "OFFICE" |
| 031 "CAMERA" | 068 "DUPLEX" | 105 "HOUSE" | 142 "OUTSIDE" |
| 032 "CARPORT" | 069 "EAST" | 106 "HUMIDITY" | 143 "OVER" |
| 033 "CASH" | 070 "ELECTRIC" | 107 "INNER" | 144 "OVERFLOW" |
| 034 "CASHIER" | 071 "ELEVATOR" | 108 "INSIDE" | 145 "OVERHEAD" |
| 035 "CEILING" | 072 "EMPTY" | 109 "INTERCOM" | 146 "PAD" |
| 036 "CELL" | 073 "EMERGENCY" | 110 "INTERNAL" | 147 "PANEL" |

NOTE: 000 is a blank label for the "2ND" word, and is 'Zone XXX' for the "1ST" word.

| | | | |
|----------------|----------------|-----------------|-----------------|
| 148 "PANIC" | 167 "REC" | 186 "SOLAR" | 205 "UNIT" |
| 149 "PARKING" | 168 "REGISTER" | 187 "SOLARIUM" | 206 "UPSTAIRS" |
| 150 "PASSIVE" | 169 "RIGHT" | 188 "SOUTH" | 207 "UTILITY" |
| 151 "PATIO" | 170 "ROOF" | 189 "SPACE" | 208 "VAULT" |
| 152 "PHONE" | 171 "ROOM" | 190 "SPARE" | 209 "VOLTAGE" |
| 153 "PHOTO" | 172 "ROOT" | 191 "SPRINKLER" | 210 "WAITING" |
| 154 "PIPES" | 173 "SE" | 192 "STABLE" | 211 "WALKWAY" |
| 155 "PIR" | 174 "SW" | 193 "STAIRS" | 212 "WAREHOUSE" |
| 156 "PLACE" | 175 "SAFE" | 194 "STORAGE" | 213 "WATER" |
| 157 "PLATE" | 176 "SCREEN" | 195 "STORE" | 214 "WELL" |
| 158 "PLAY" | 177 "SENSOR" | 196 "STRIKE" | 215 "WEST" |
| 159 "POLICE" | 178 "SHED" | 197 "STROBE" | 216 "WINDOW" |
| 160 "POOL" | 179 "SHELF" | 198 "STUDY" | 217 "WINE" |
| 161 "PORCH" | 180 "SHIPPING" | 199 "TABLE" | 218 "WING" |
| 162 "POWER" | 181 "SHOP" | 200 "TAMPER" | 219 "WIRE" |
| 163 "PREMISE" | 182 "SIDE" | 201 "TEMP" | 220 "WIRELESS" |
| 164 "PRESSURE" | 183 "SIREN" | 202 "TOOLS" | 221 "WORK" |
| 165 "RADIATOR" | 184 "SLIDING" | 203 "TOP" | 222 "WORKSHOP" |
| 166 "REAR" | 185 "SMOKE" | 204 "UNDERGND" | 223 "YARD" |

Custom Zone ID

| | |
|-------------|-------------|
| 224 "_____" | 240 "_____" |
| 225 "_____" | 241 "_____" |
| 226 "_____" | 242 "_____" |
| 227 "_____" | 243 "_____" |
| 228 "_____" | 244 "_____" |
| 229 "_____" | 245 "_____" |
| 230 "_____" | 246 "_____" |
| 231 "_____" | 247 "_____" |
| 232 "_____" | 248 "_____" |
| 233 "_____" | 249 "_____" |
| 234 "_____" | 250 "_____" |
| 235 "_____" | 251 "_____" |
| 236 "_____" | 252 "_____" |
| 237 "_____" | 253 "_____" |
| 238 "_____" | 254 "_____" |
| 239 "_____" | 255 "_____" |

APPENDIX C

List of Diagnostics

E = Communication error
 T = Tamper open
 LV = Low voltage to module

| Indicated # Number | For Future Use |
|-----------------------|----------------|
|-----------------------|----------------|

1
2
3
4
5
6
7
8

| Indicated Number | PC4400 RS-232 Module # |
|---------------------|---------------------------|
|---------------------|---------------------------|

25 1

| Indicated Number | PC41XX Zone Module # |
|---------------------|-------------------------|
|---------------------|-------------------------|

26 1
27 2
28 3
29 4
30 5
31 6
32 7
33 8
34 9
35 10
36 11
37 12
38 13
39 14
40 For future use 15
41 For future use 16

| Indicated Number | PC4216 O/P Module # |
|---------------------|------------------------|
|---------------------|------------------------|

42 1
43 2
44 3
45 4
46 5
47 6
48 7
49 8
50 9

| Indicated Number | LCD-4500 Module # |
|---------------------|----------------------|
|---------------------|----------------------|

9 1
10 2
11 3
12 4
13 5
14 6
15 7
16 8
17 9
18 10
19 11
20 12
21 13
22 14
23 15
24 16

| Indicated Number | PC4204 O/P Module # |
|---------------------|------------------------|
|---------------------|------------------------|

51 1
52 2
53 3
54 4
55 5
56 6
57 7
58 8
59 9
60 10
61 11
62 12
63 13
64 14
65 15
66 16

SECRET

January 10, 1954

Dear Mr. Tolson:

I am writing to you regarding the

information concerning the

activities of the

individuals mentioned in the

report of the

committee on

the activities of the

individuals mentioned in the

report of the

committee on

the activities of the

individuals mentioned in the

report of the

