

# 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.

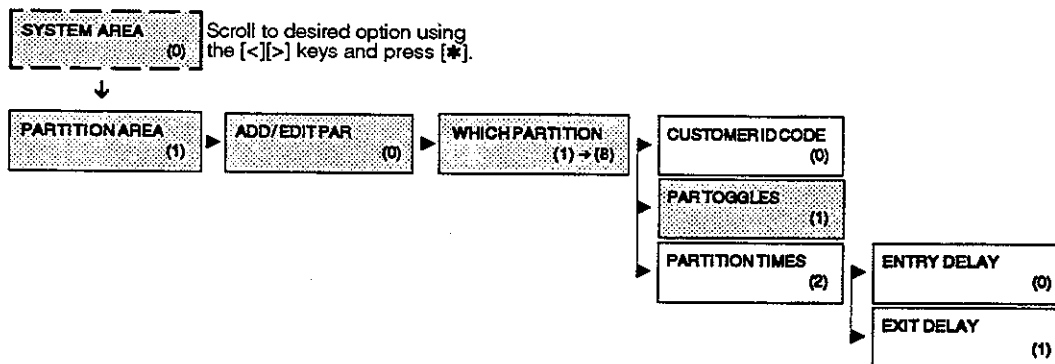
Book 1 contains the programming flow charts for the PC4000. The charts are arranged in such a way as to allow you to quickly find any option and the path required to arrive at the program location. In addition you will be able to see other options also available to you in the program area.

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.

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## 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]

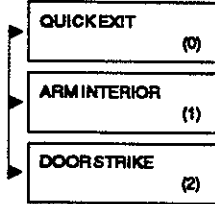
*NOTE: The [\*] key is required before every HEX digit entered.*

# USER FUNCTIONS PROGRAMMING FLOW CHARTS

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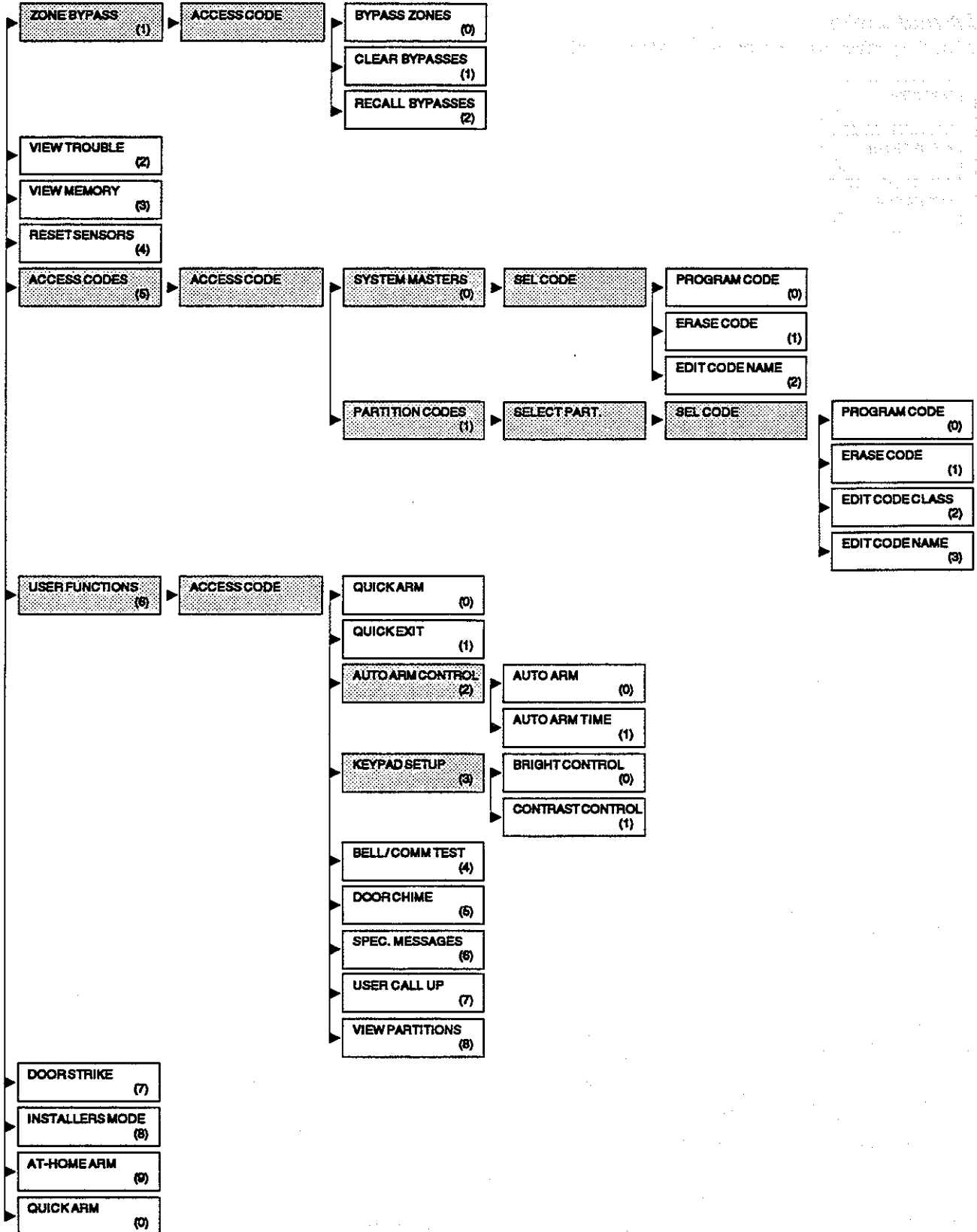
## Armed State

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
	COPY PARTITION (2)	20
MODULE HARDWARE (2)	ENROLL MODULE (0)	22
	DELETE MODULE (1)	22
	CONFIRM MODULE (2)	22
EVENT BUFFER (3)	PRN ENTIRE BUFF (0)	23
DIAGNOSTICS (4)	DIAGNOSTICS (0)	24
	BINARY PROGRAM (1)	24
	MEMORIZE VBAT (2)	24
	FACTORY DEFAULT (3)	24

Handwritten notes or markings in the top right corner, possibly including a date or reference number.

Main body of handwritten text, consisting of approximately 20 lines of cursive script. The text is mostly illegible due to fading and blurring.

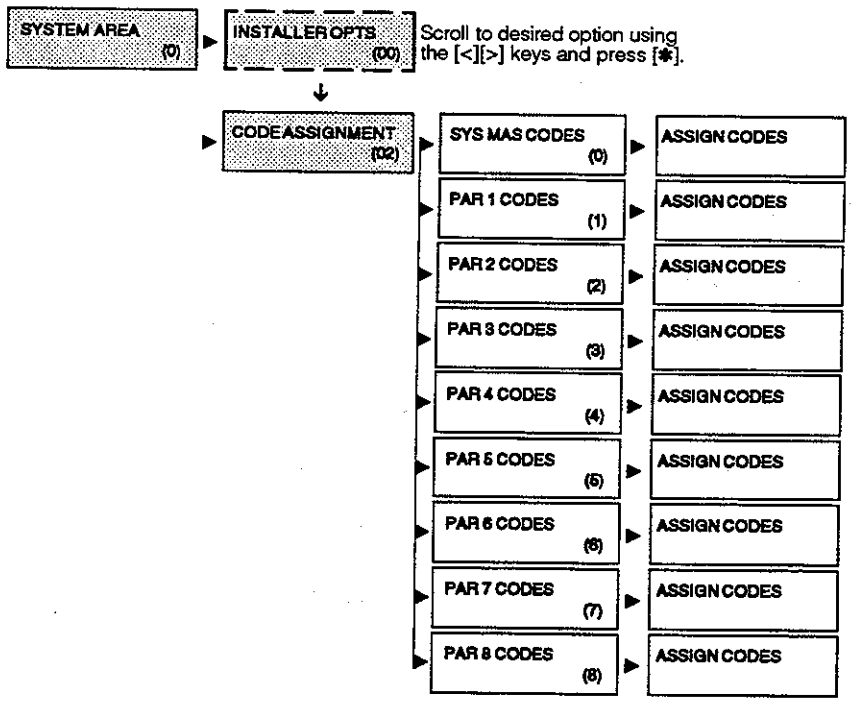
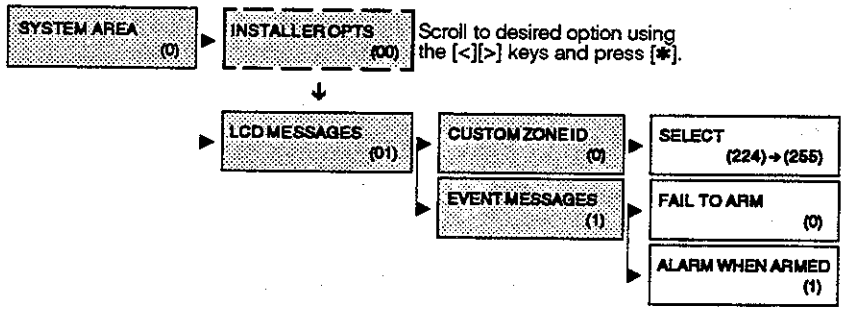
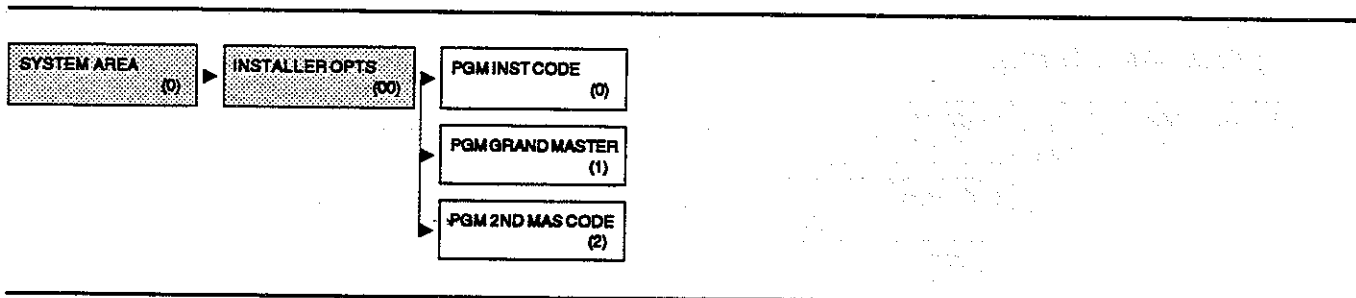
Small handwritten mark or symbol on the right margin.

Small handwritten mark or symbol at the bottom right corner.

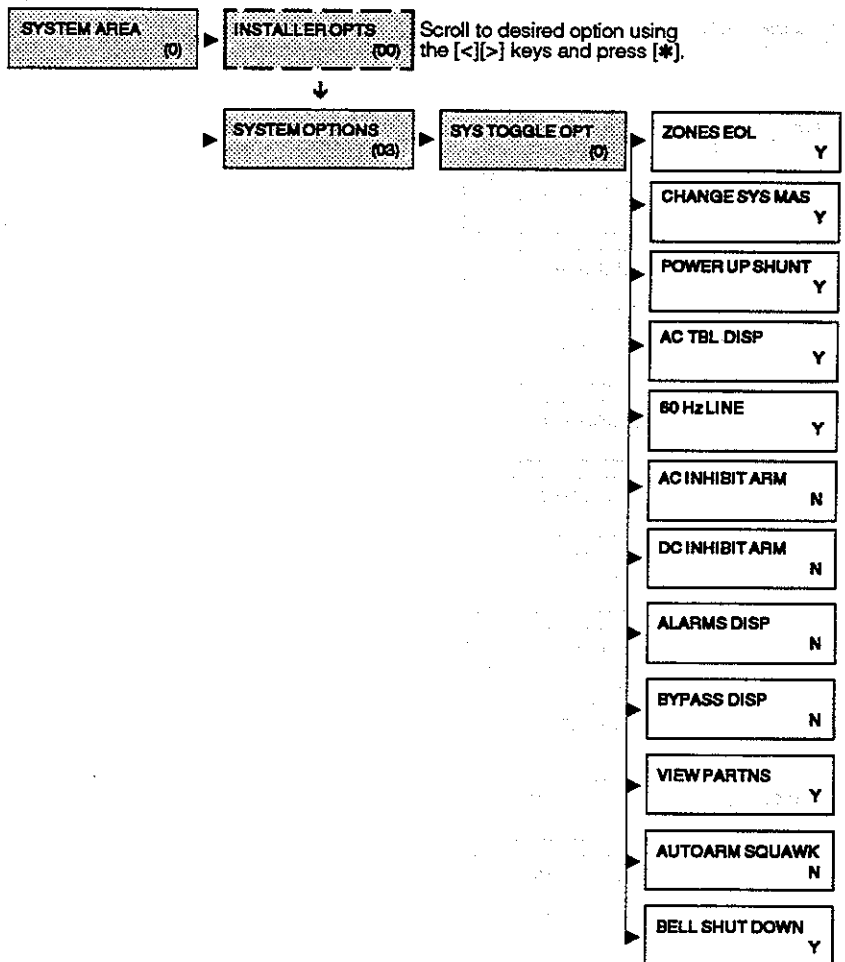
# System Area Index

	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)	
MAIN ITEMS (0)	12
COMMSTOGGLES (1)	13
COMMSMISC (2)	14
REPORTING CODES (3)	15
SWAUX OUTPUT (06)	16
MAIN BELL OUTPUT (07)	16
PGM OUTPUTS (08)	
MAIN PGM OUT (0)	16
4204 OPTIONS (1)	16
4216 OPTIONS (2)	16
4216 CUSTOM (3)	16
PGM PULSE TIMES (4)	16
RS-232 OPTIONS (09)	18

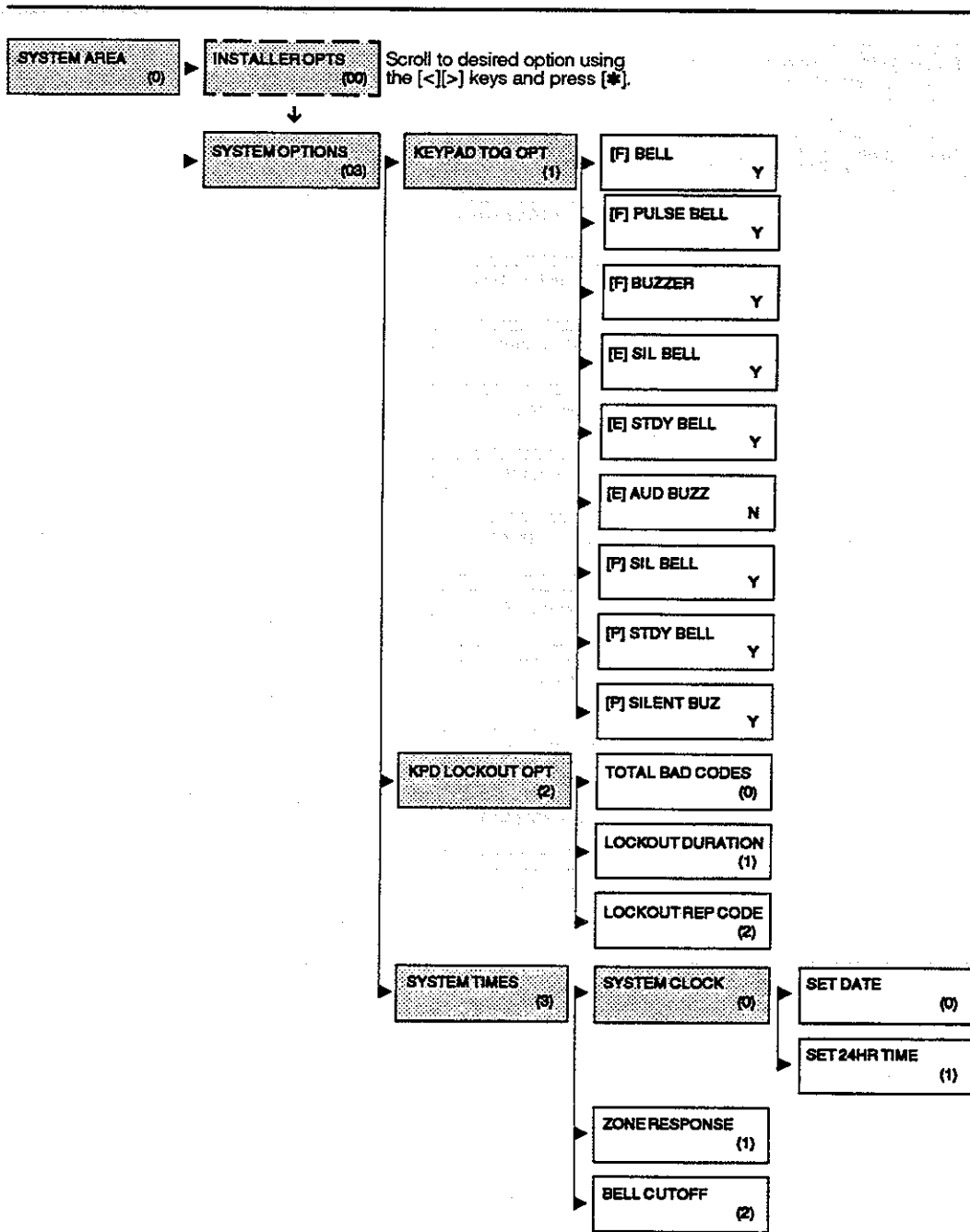
SYSTEM AREA ▶ INSTALLER OPTS/LCD MESSAGES/CODE ASSIGNMENT

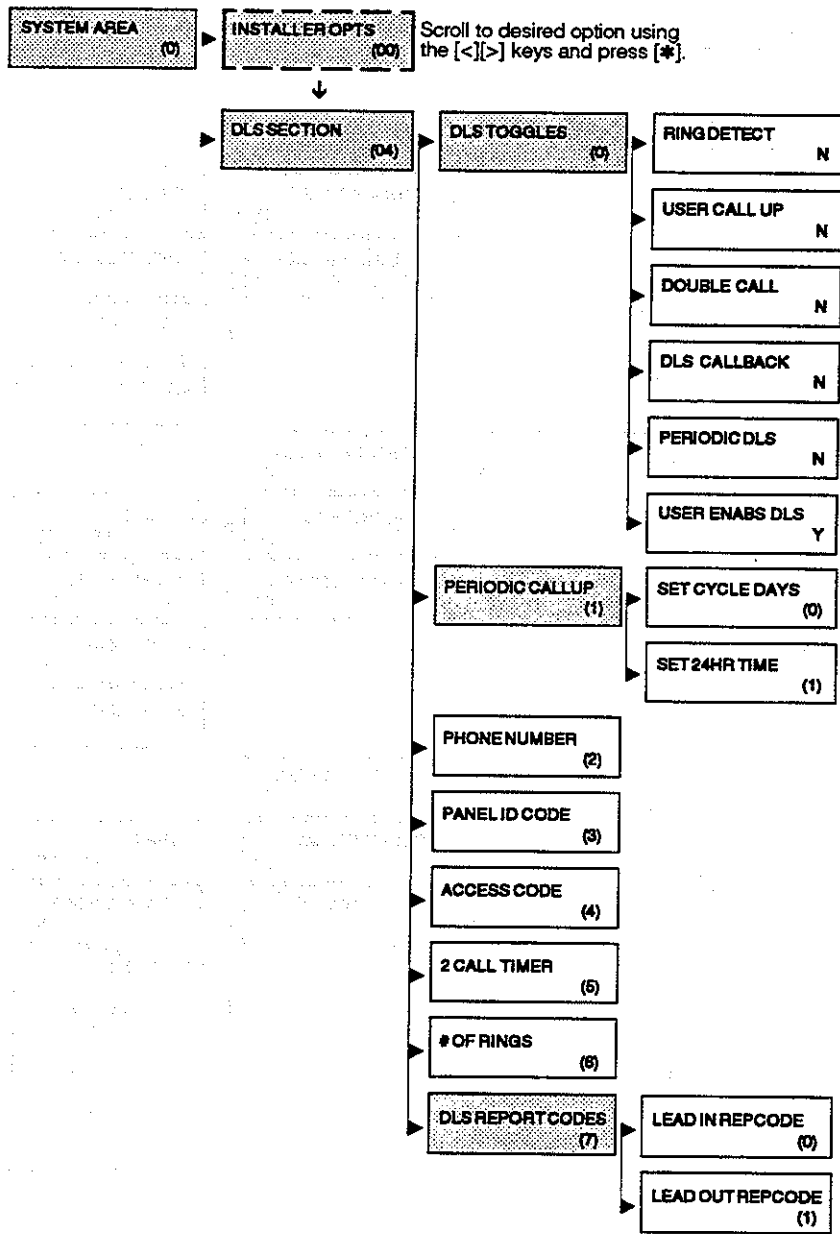




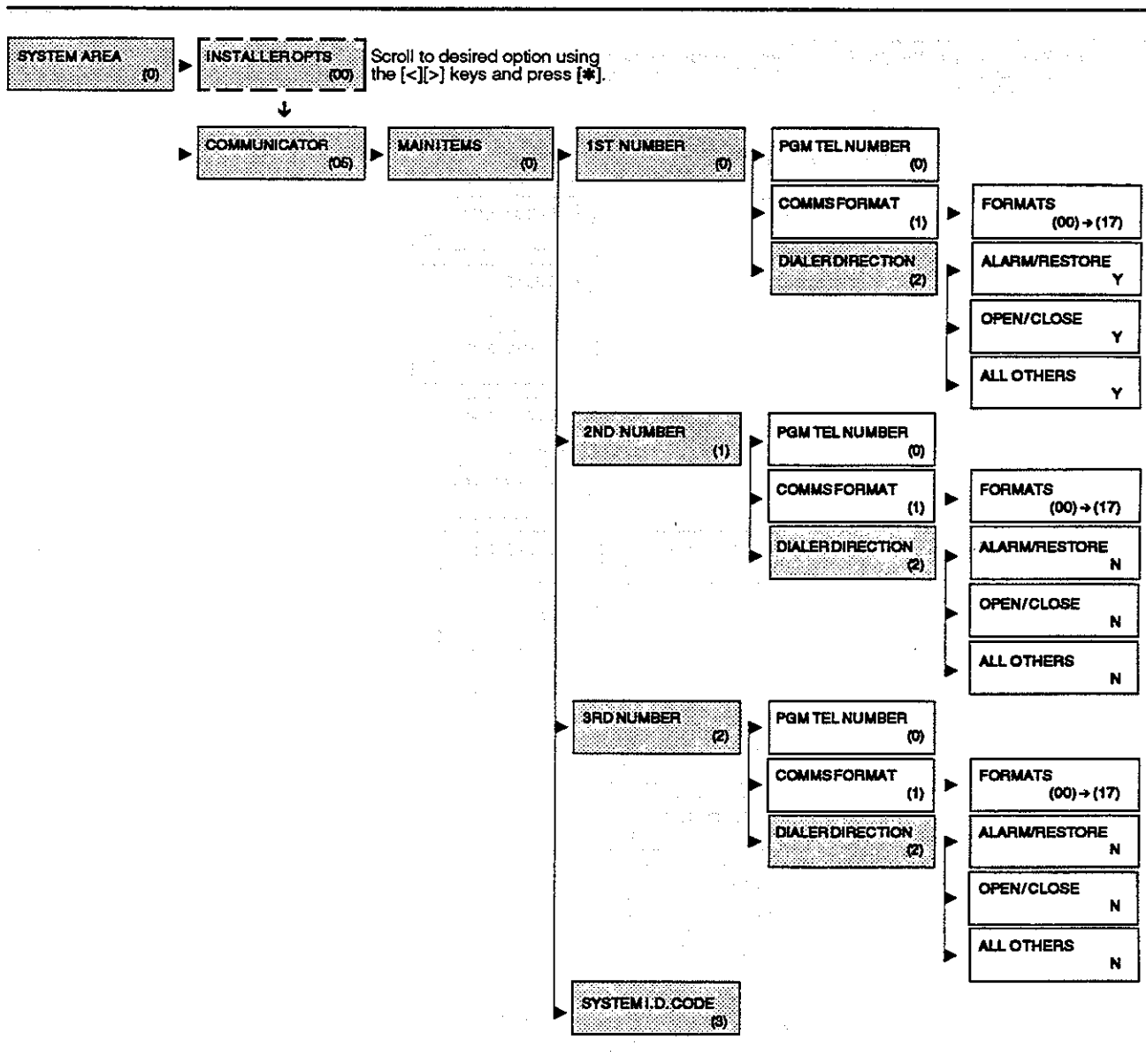


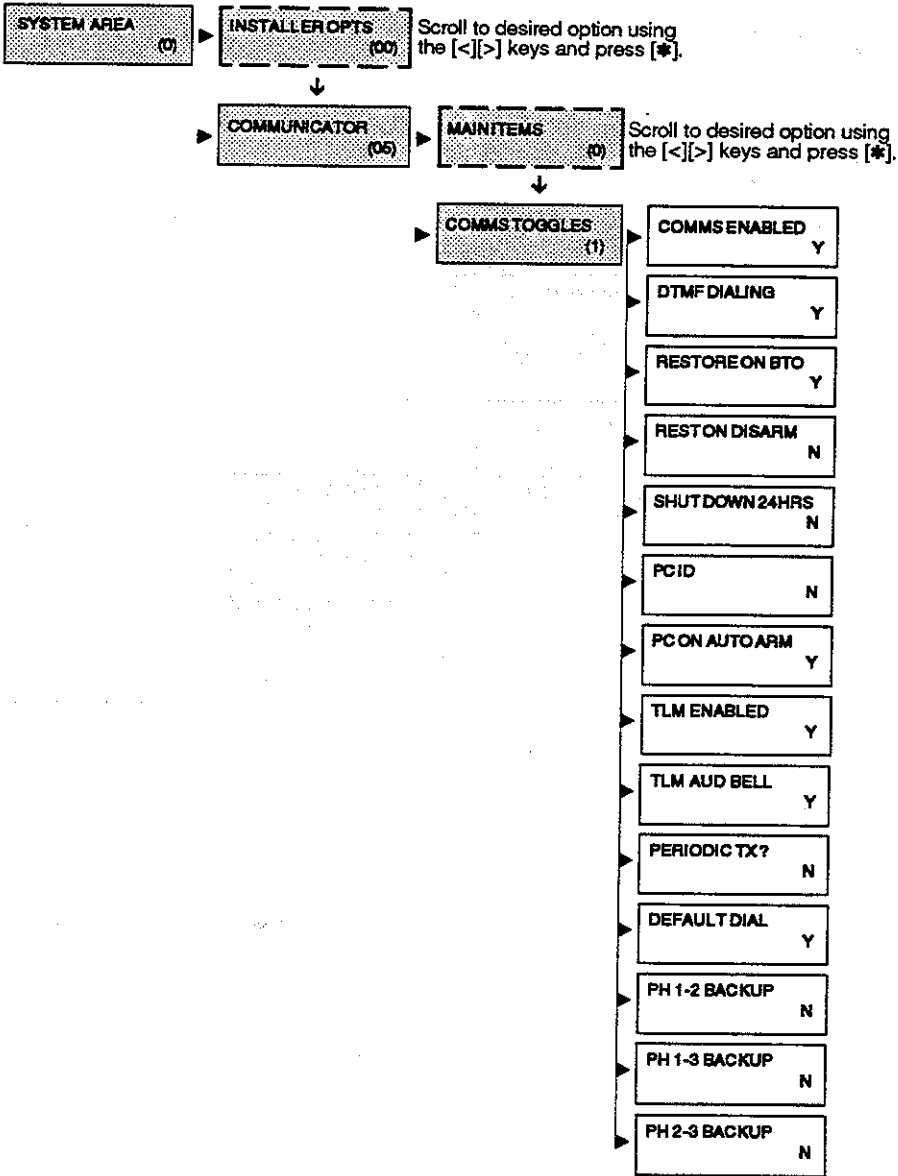
SYSTEM AREA ▶ SYSTEM OPTIONS ▶ KEYPAD TOG OPT/KPD LOCKOUT OPT/SYSTEM TIMES



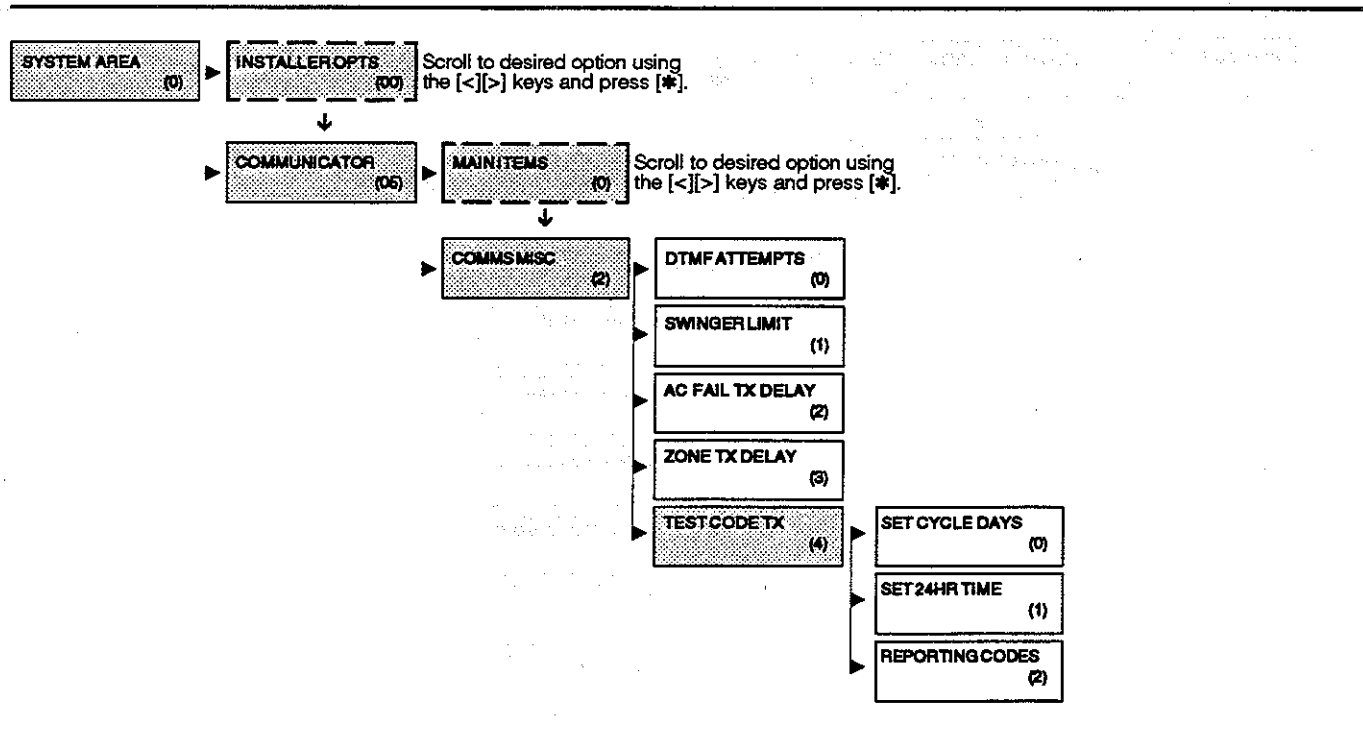


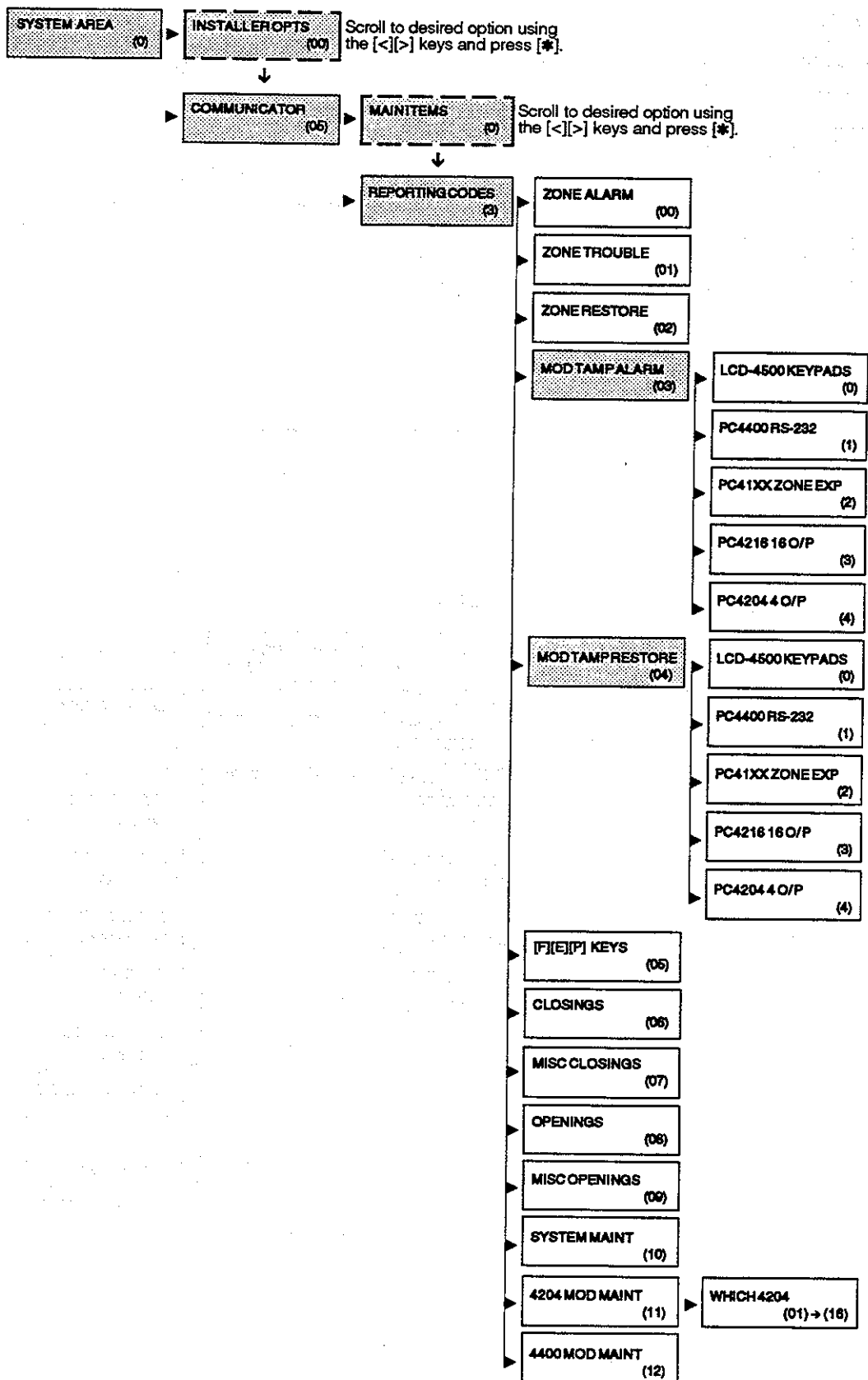
SYSTEM AREA ▶ COMMUNICATOR ▶ MAIN ITEMS ▶ PHONE #'s/FORMAT/DIALER DIRECTION





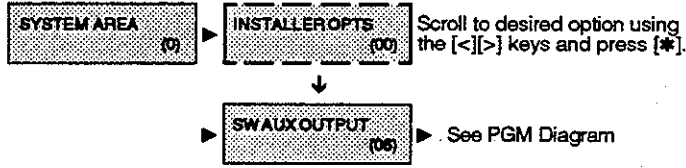
SYSTEM AREA ▶ COMMUNICATOR ▶ COMM MISC



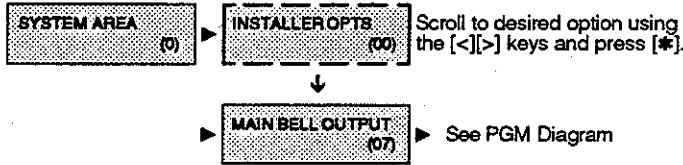


SYSTEM AREA ▶ SW AUXOUTPUT/MAIN BELL OUTPUT/PGM OUTPUTS

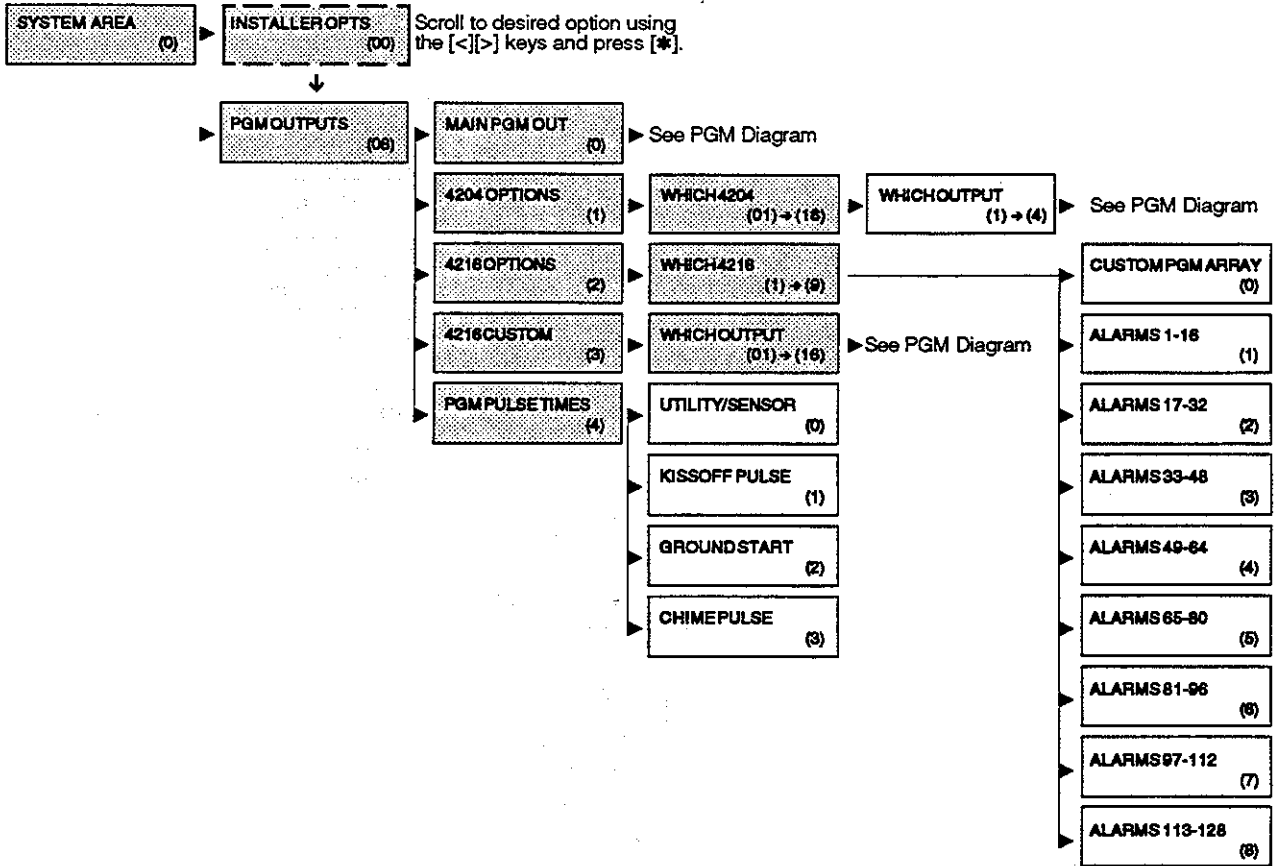
SYSTEM AREA ▶ SW AUXOUTPUT



SYSTEM AREA ▶ MAIN BELL OUTPUT

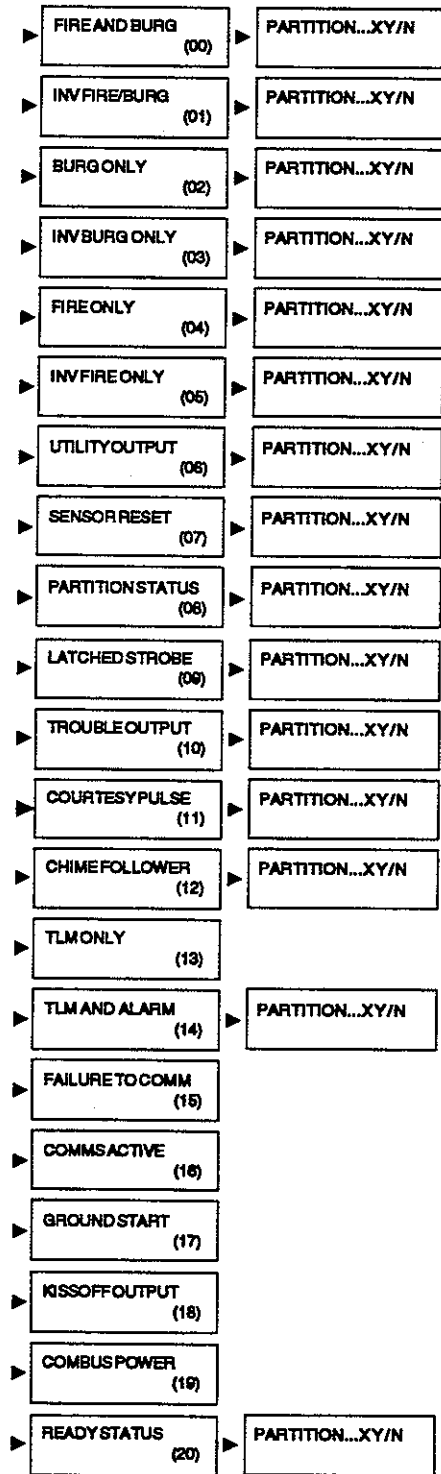


SYSTEM AREA ▶ PGM OUTPUTS

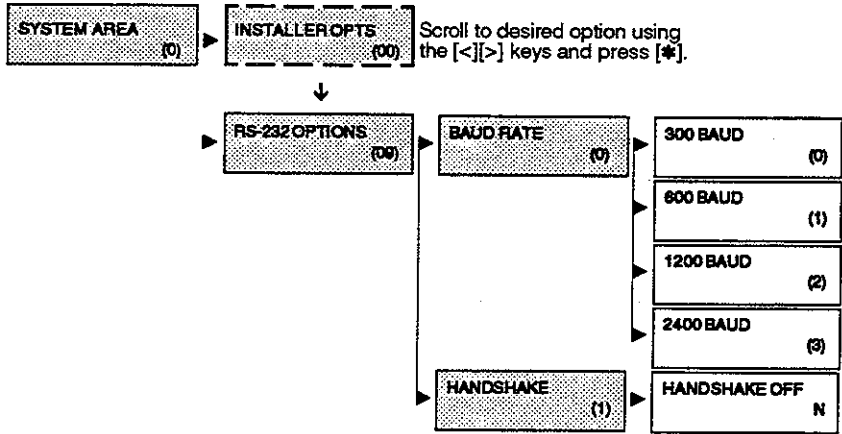




**PGM Diagram**

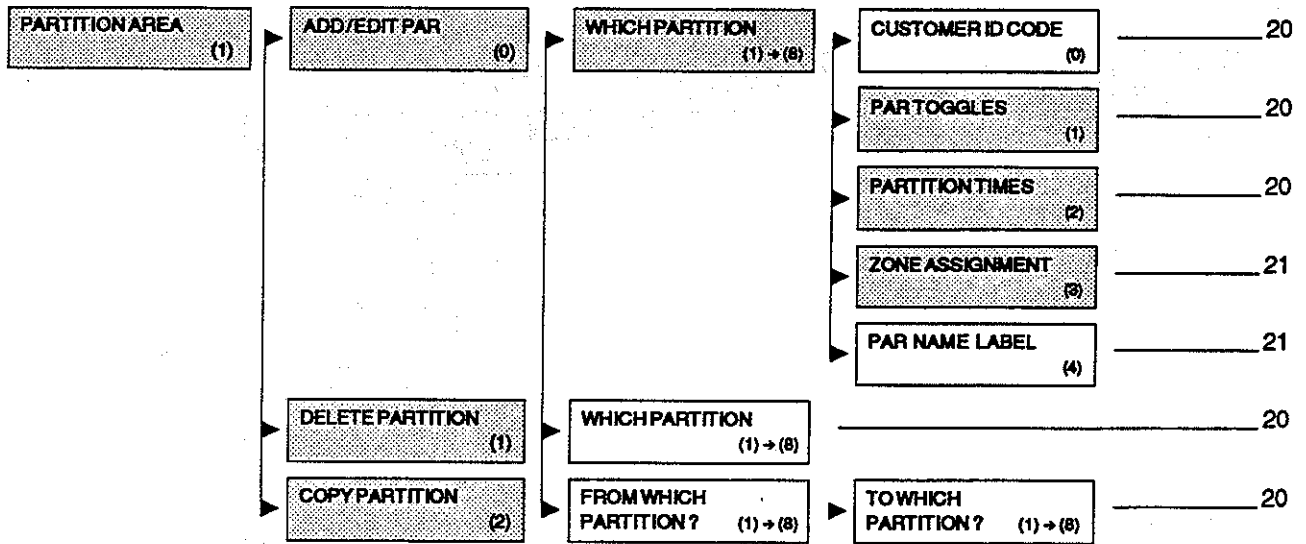


SYSTEM AREA ▶ RS-232 OPTIONS

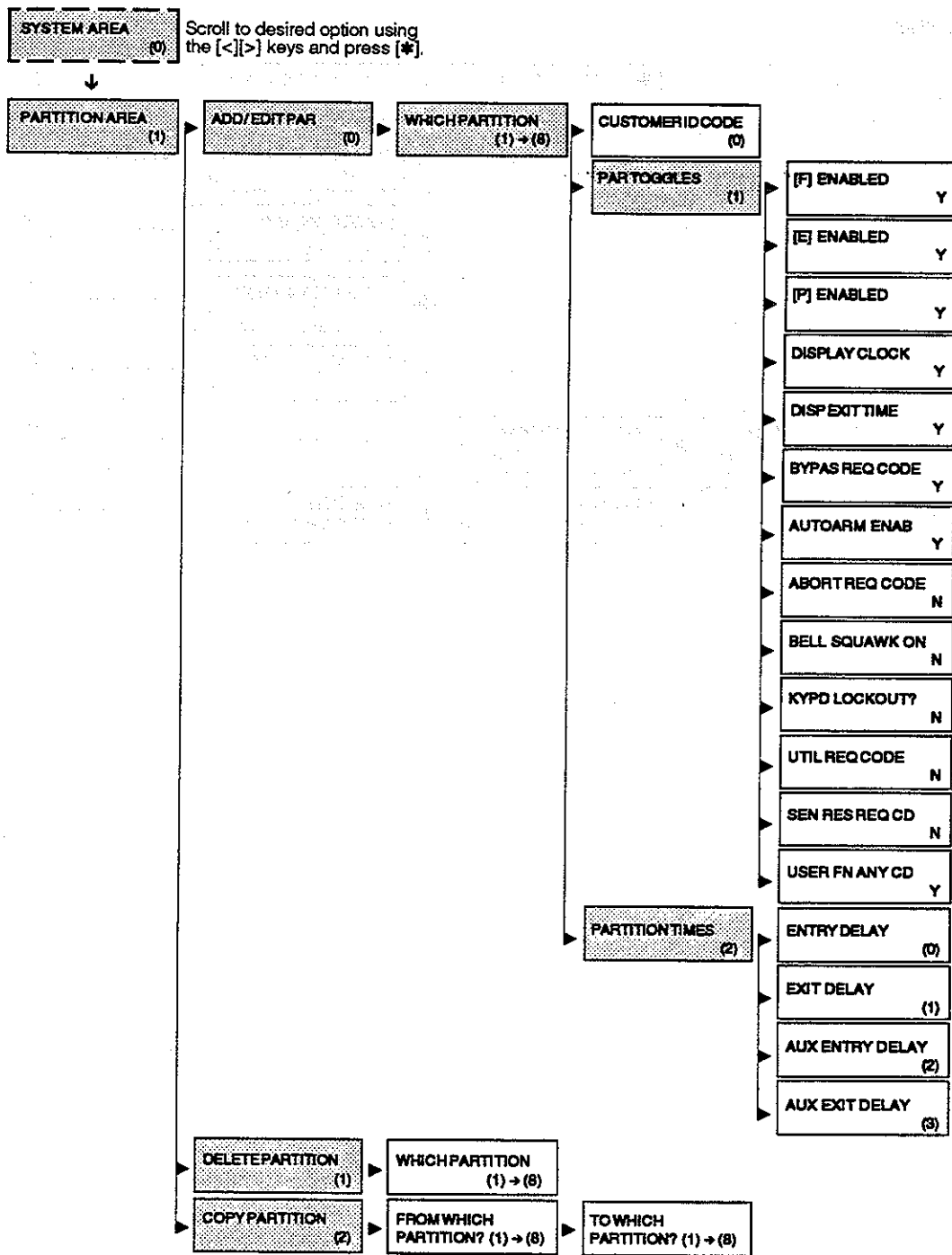


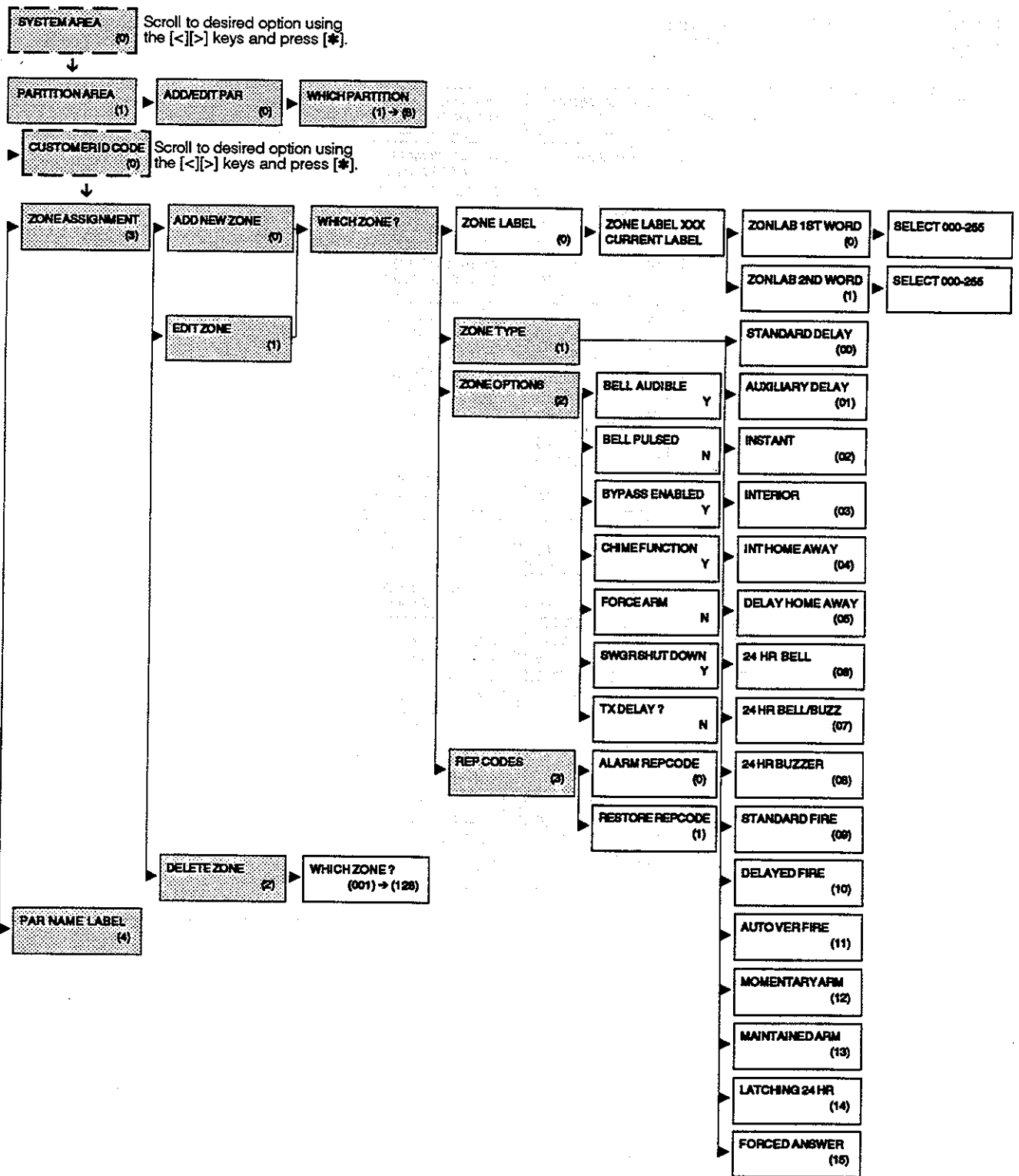
# Partition Area Index

Page

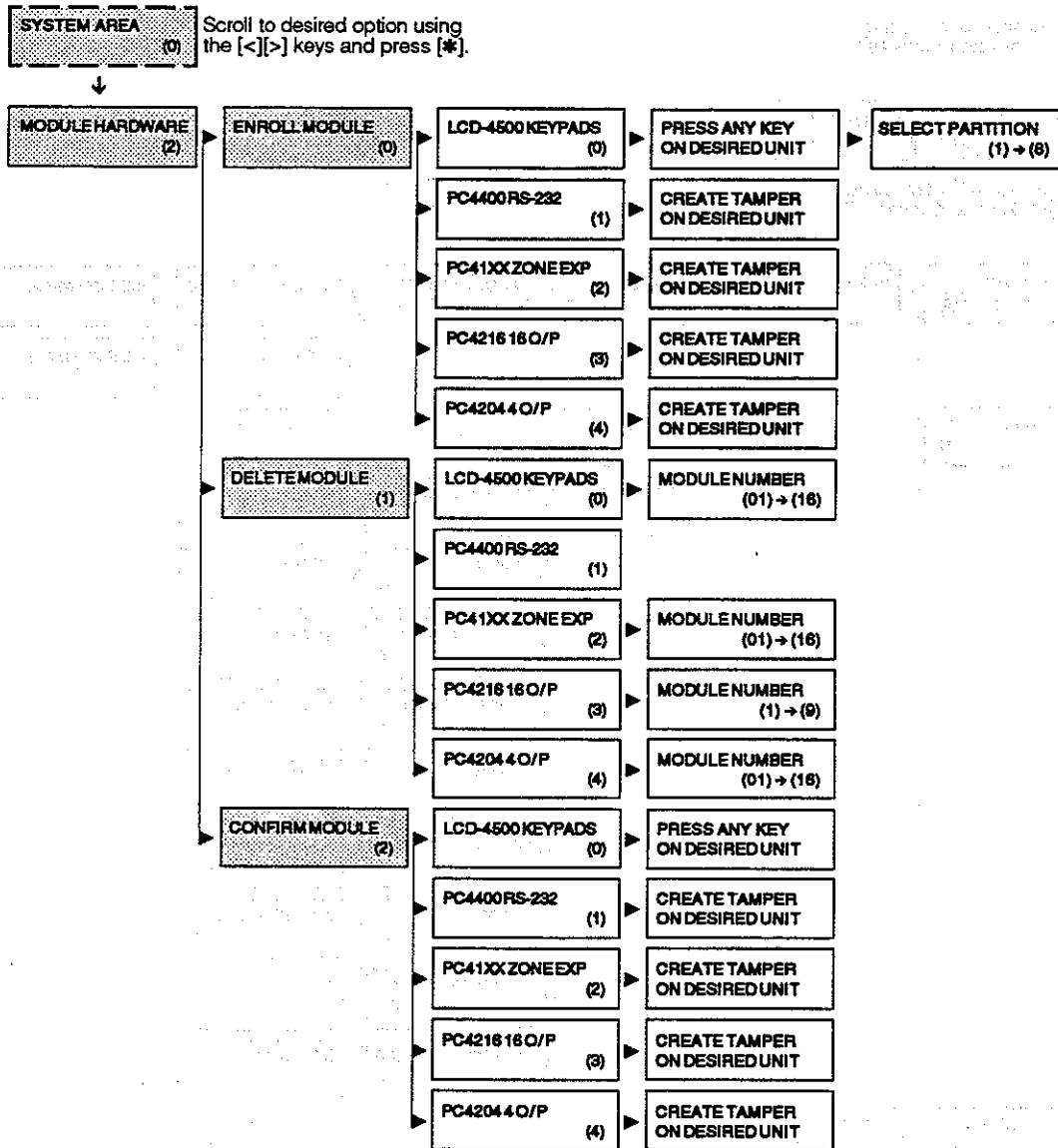


PARTITION AREA ▶ ADD/EDIT PAR ▶ PAR TOGGLES/PARTITION TIMES

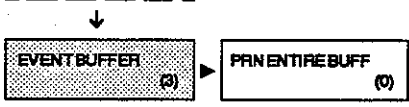




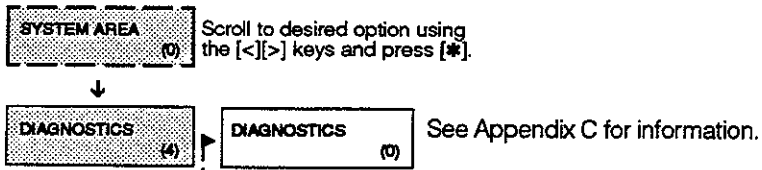
MODULE HARDWARE ► ENROLL MODULE/DELETE MODULE/CONFIRM MODULE



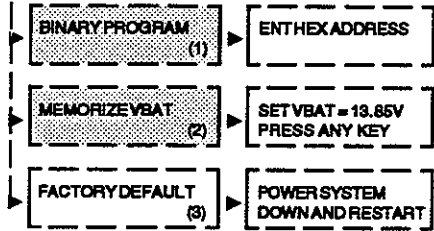
**SYSTEM AREA** (0) Scroll to desired option using the [**<**][**>**] keys and press [**\***].



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



## 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

