

PROGRAMMING THE PC4020

The PC4020 incorporates a new method of programming which uses a menu system to find a specific program location when it is to be entered.

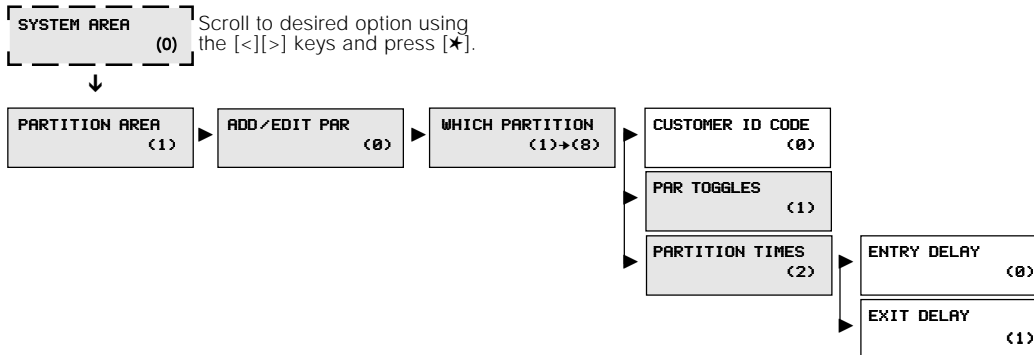
Book 3 contains the programming flow charts for the PC4020. The charts are arranged in such a way as to allow you to quickly find any option and the path required to arrive at the program location. In addition you will be able to see other options also available to you in the program area.

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 3.



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 PARTITION TIMES
[★] to select ADD/EDIT PAR [>], [★] to select EXIT DELAY
[>], [>], [>], [★] to select to PARTITION 4

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

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

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 the 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 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, up to F = 6. 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 PC4020 you would enter:

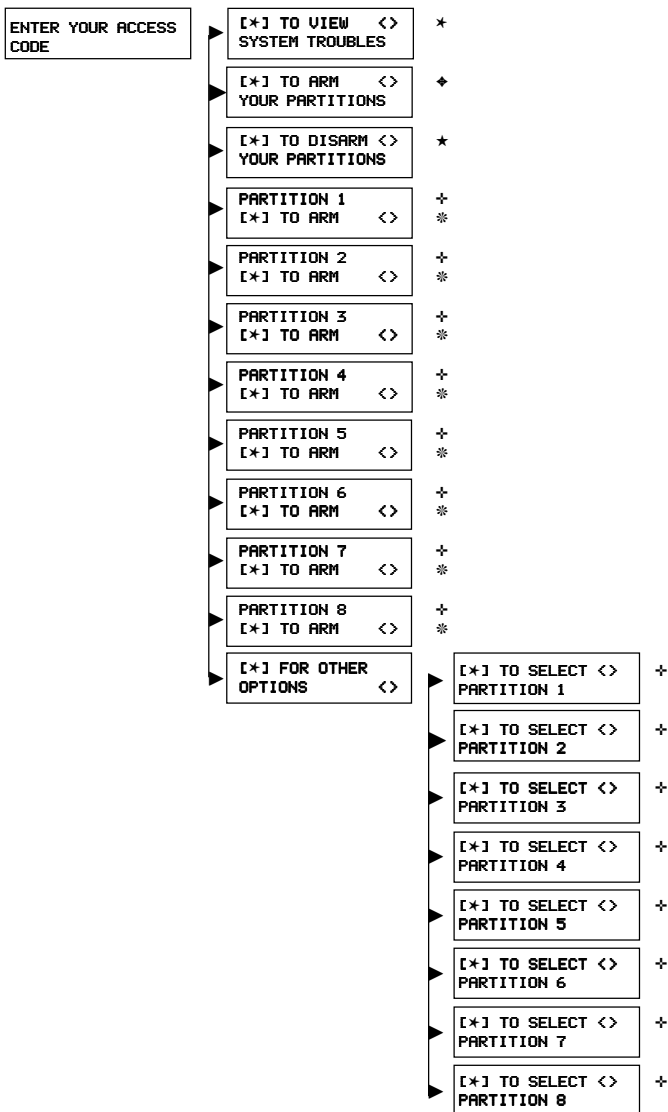
[★], [1], [★], [2], [★], [3], [★], [4]

Note: The [★] key is required before every HEX digit entered.

USER FUNCTIONS PROGRAMMING FLOW CHARTS

Global Keypad

Enter a valid access code from a global keypad to call up this menu.

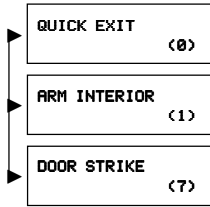


- + These partitions will only be displayed if the partition is enabled and the access code is assigned to that partition.
- * This message will be displayed if any partition is armed that the user code is assigned to.
- + This message will be displayed if any partition is disarmed that the user code is assigned to.
- * This message will be displayed if the Option Glob Kypd Trb is enabled and there is a trouble present on one of the partition(s) the user code is assigned to.
- * This message will be displayed if the partition is ready to be armed. If the partition is not ready to be armed due to open zones on the system, the message [*] For Open Zones will be displayed. If the partition can not be armed, the message Unable To Arm will be displayed. If the partition is armed, the message [*] to disarm will be displayed.

Partition Keypad

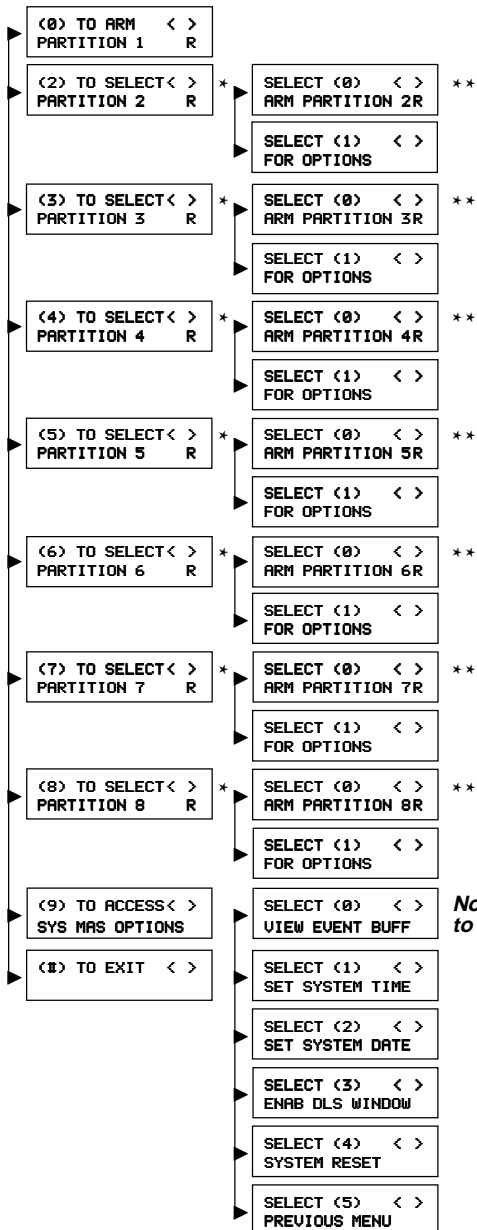
Armed State

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



Disarmed State

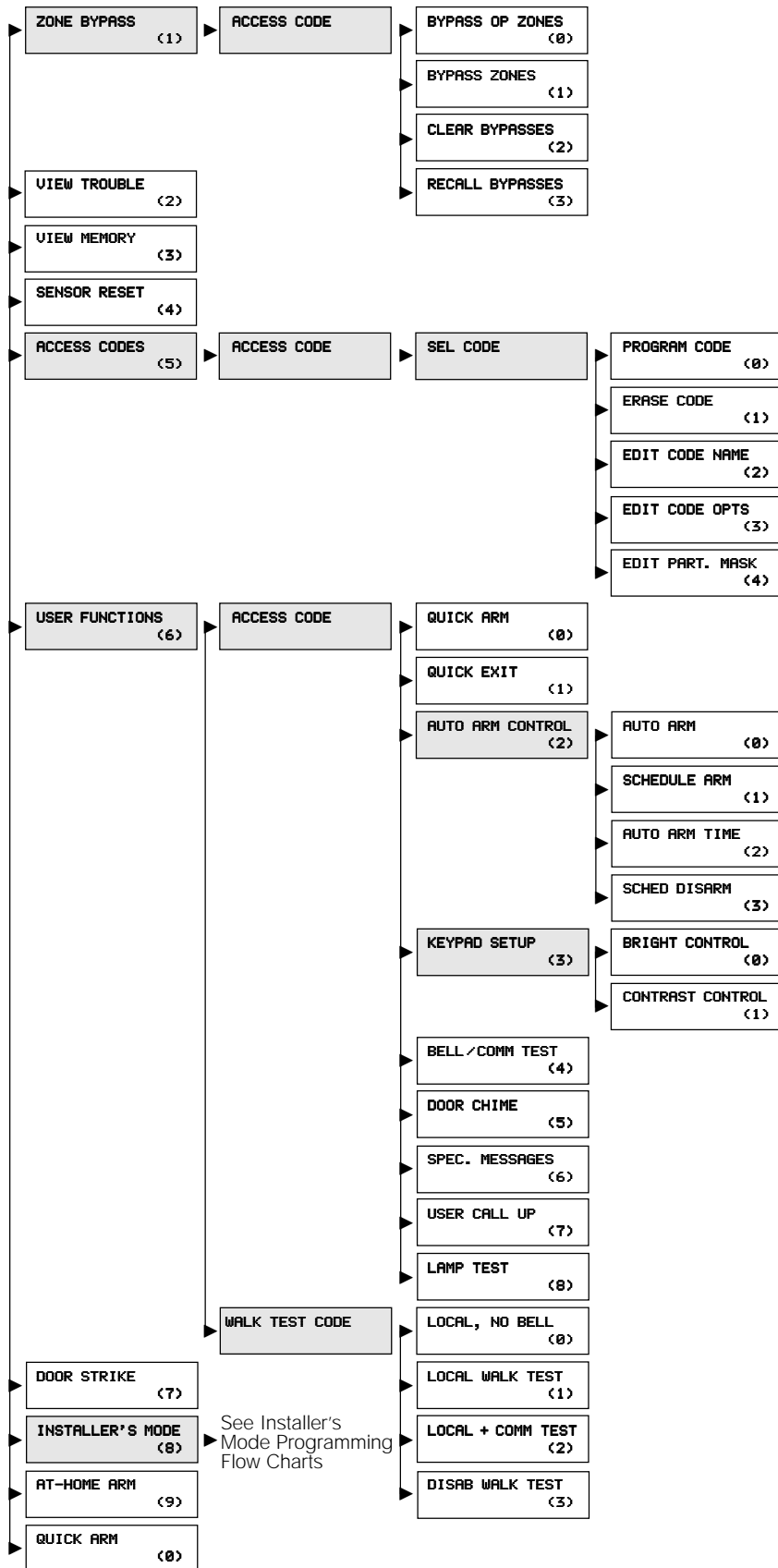
While the partition is disarmed, enter a valid Multi Partition Code to call up this menu.



Note: System Master option are only available to users with System Master Codes.

- * These partitions will only be displayed if the partition is enabled and the access code is assigned to that partition. The partition status indication on the lower right corner of the display will change according to the status of the partition.
R = Ready; N = Not Ready; ! = Alarm Memory.
- ** If the partition is armed the bottom line of the LCD will display "Disarm Partition".

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



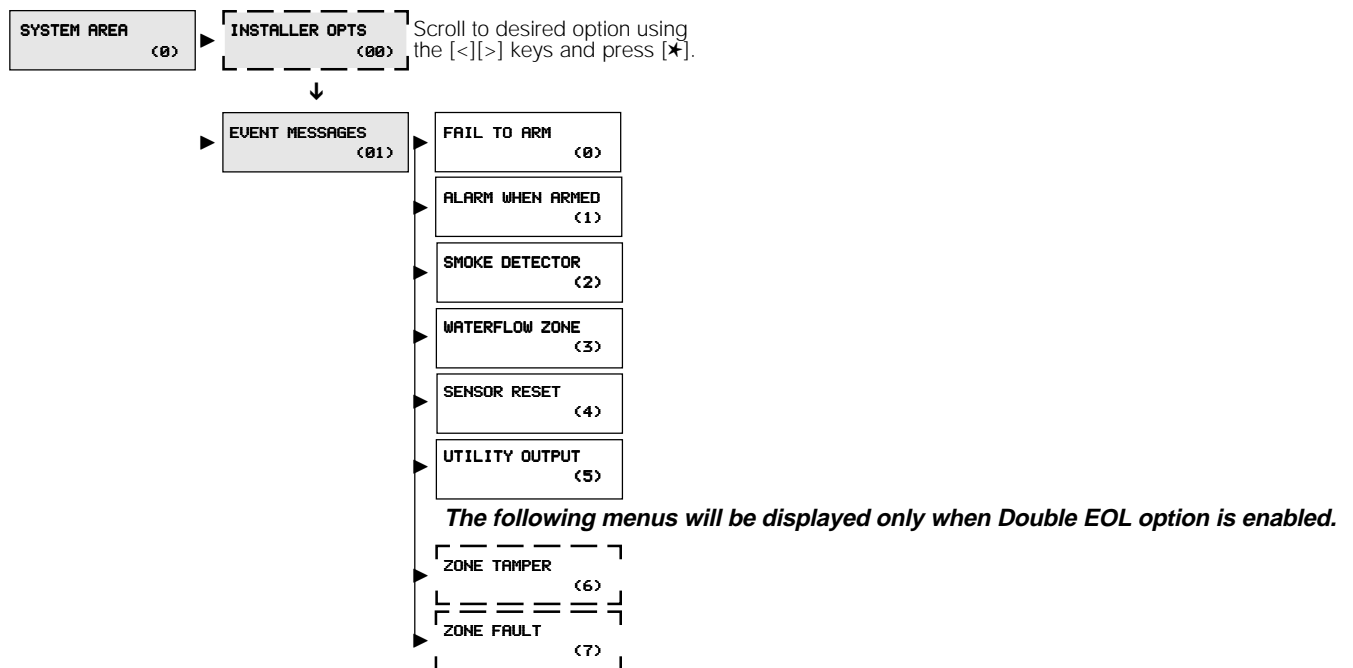
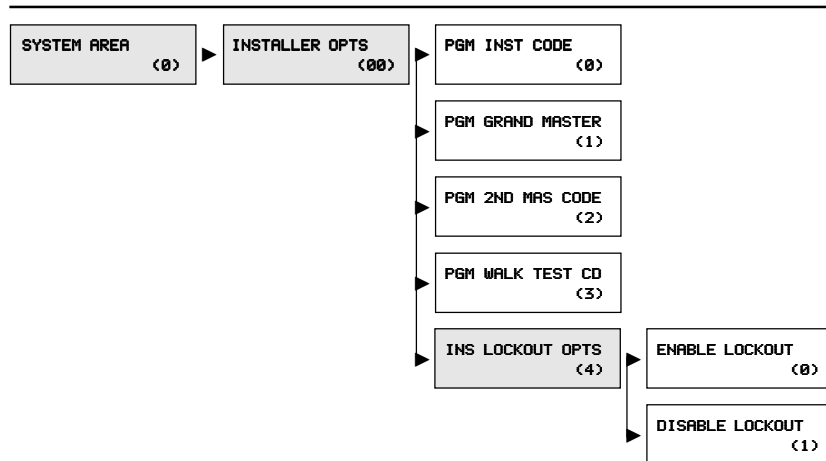
INSTALLER'S MODE OVERVIEW

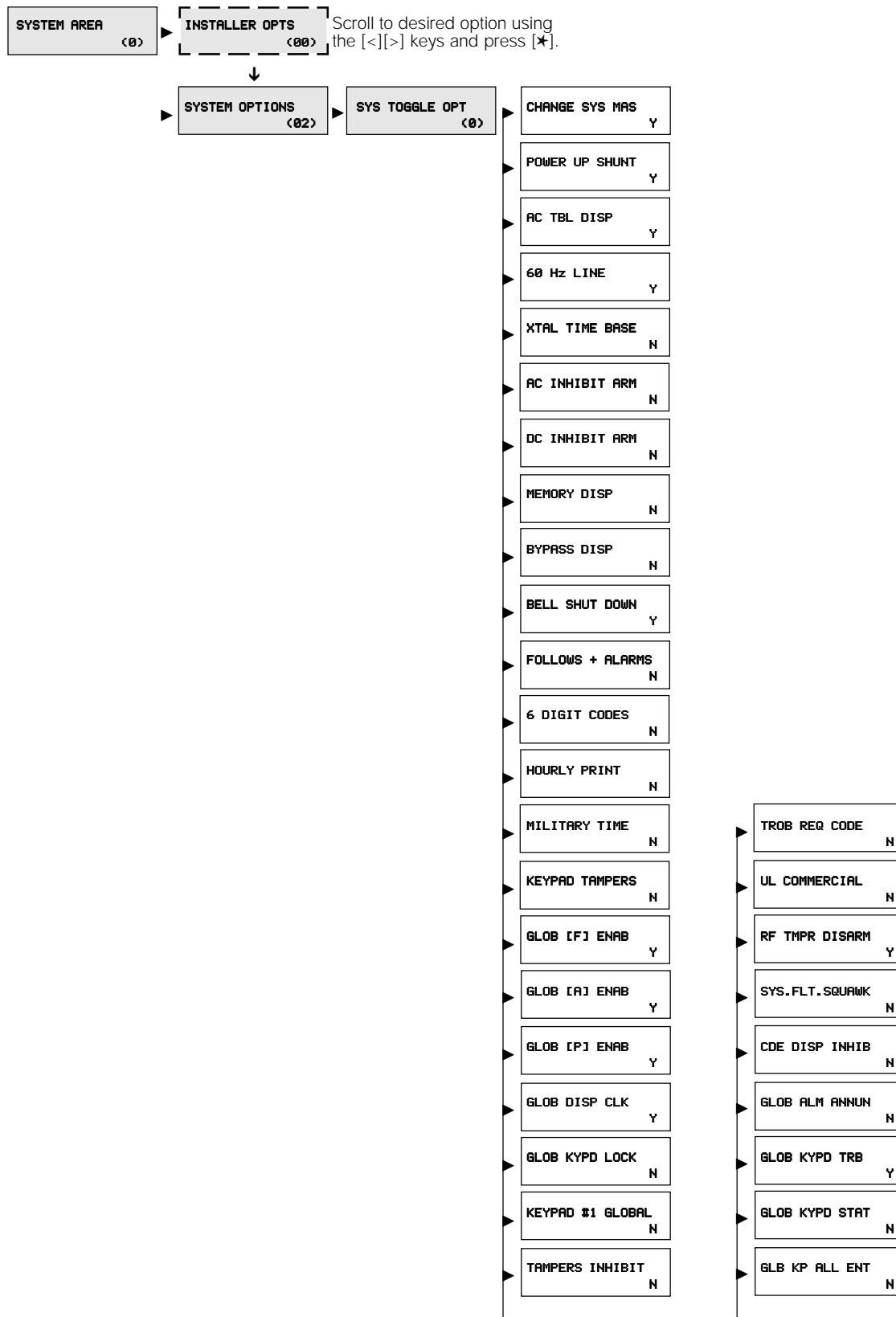
		Page
SYSTEM AREA (0)	INSTALLER OPT'S (00)	7
	EVENT MESSAGES (01)	7
	SYSTEM OPTIONS (02)	8
	DLS SECTION (03)	10
	COMMUNICATOR (04)	11
	SW AUX OUTPUT (05)	16
	MAIN BELL OUTPUT (06)	16
	PGM OUTPUTS (07)	17
	PC4400 OPTIONS (08)	19
	SYSTEM LABEL (09)	19
	EVENT SCHEDULING (10)	20
	PARTITION AREA (1)	ADD/EDIT PAR (0)	21
DELETE PARTITION (1)		22
COPY PARTITION (2)		22
MODULE HARDWARE (2)	ENROLL MODULE (0)	24
	DELETE MODULE (1)	24
	CONFIRM MODULE (2)	24
	RF ZONE OPTIONS (3)	24
EVENT BUFFER (3)	PRN ENTIRE BUFF (0)	25
DIAGNOSTICS (4)	DIAGNOSTICS (0)	26
	BINARY PROGRAM (1)	26
	MEMORIZE VBAT (2)	26
	FACTORY DEFAULT (3)	26
	DEFAULT 4580	26

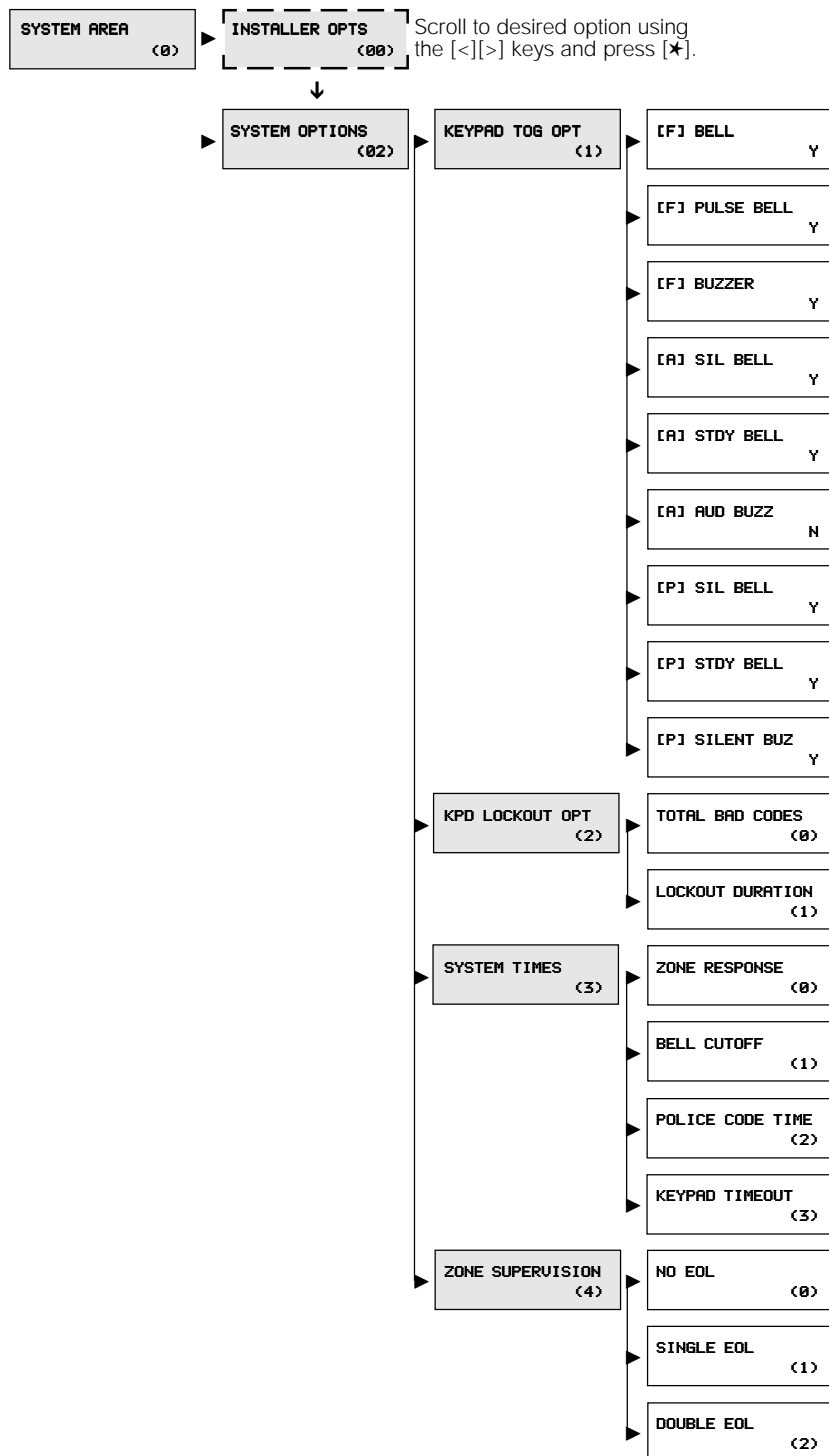
System Area Index

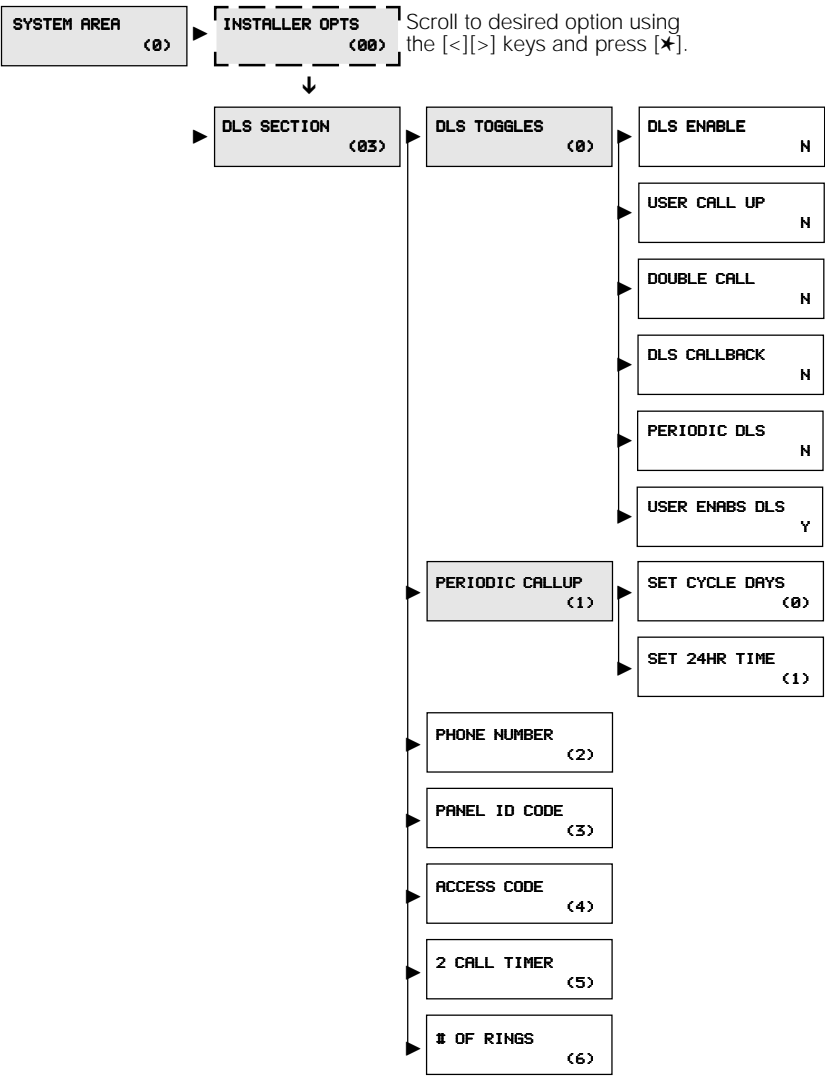
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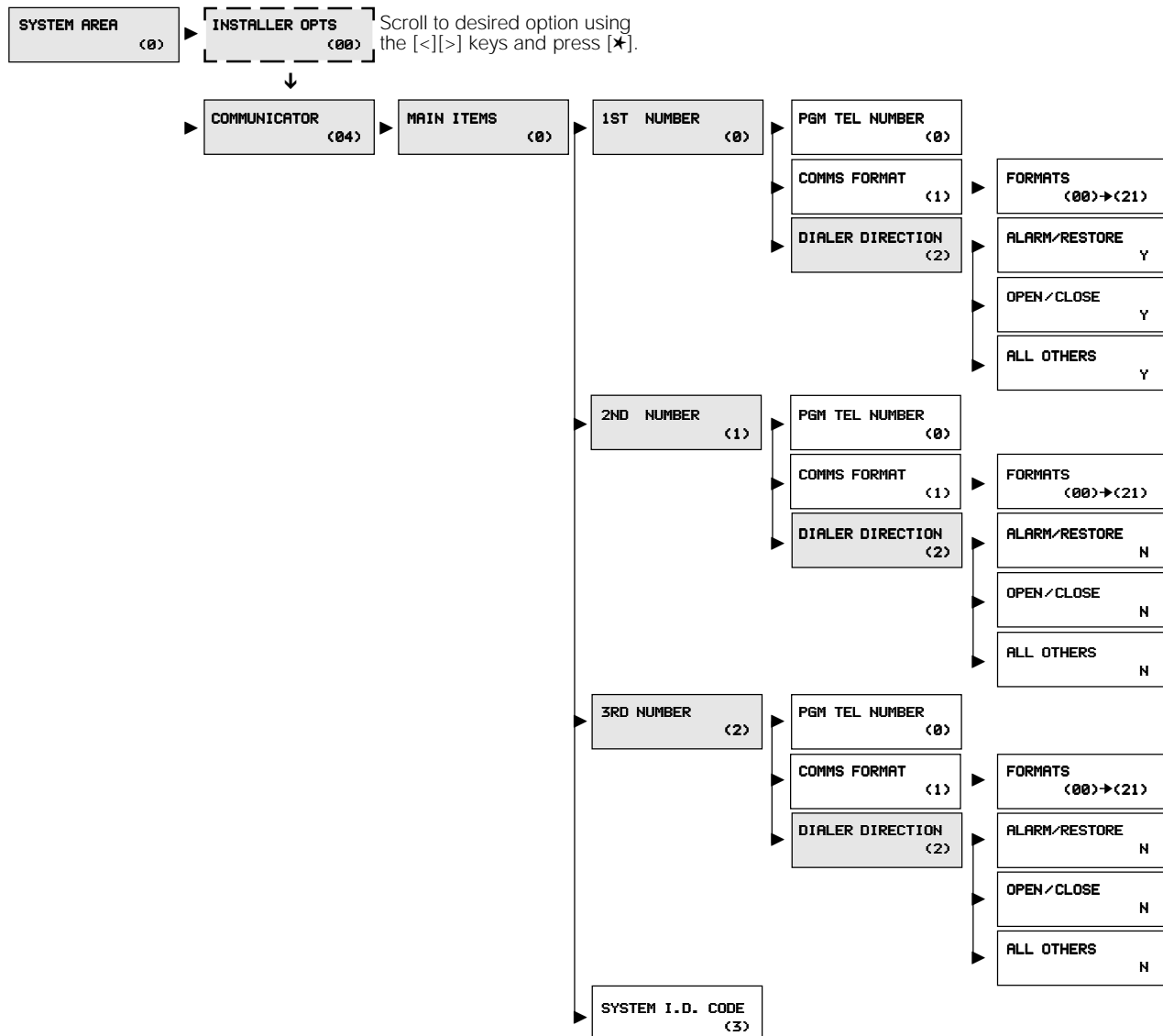
SYSTEM AREA (0)	INSTALLER OPT'S (00)	7
	EVENT MESSAGES (01)	7
	SYSTEM OPTIONS (02)	8
	DLS SECTION (03)	10
	COMMUNICATOR (04)	11
	MAIN ITEMS (0)	11
	COMMS TOGGLES (1)	12
	COMMS MISC (2)	13
	REPORTING CODES (3)	14
	LINKS MODULE (4)	16
	SW AUX OUTPUT (05)	16
	MAIN BELL OUTPUT (06)	16
	PGM OUTPUTS (07)	17
	MAIN PGM OUT (0)	17
	4204 OPTIONS (1)	17
	4216 OPTIONS (2)	17
	4216 CUSTOM (3)	17
	4580 AUTO. ITEMS (4)	17
	PGM PULSE TIMES (5)	17
	PC4400 OPTIONS (08)	19
	SYSTEM LABEL (09)	19
	EVENT SCHEDULING (10)	20

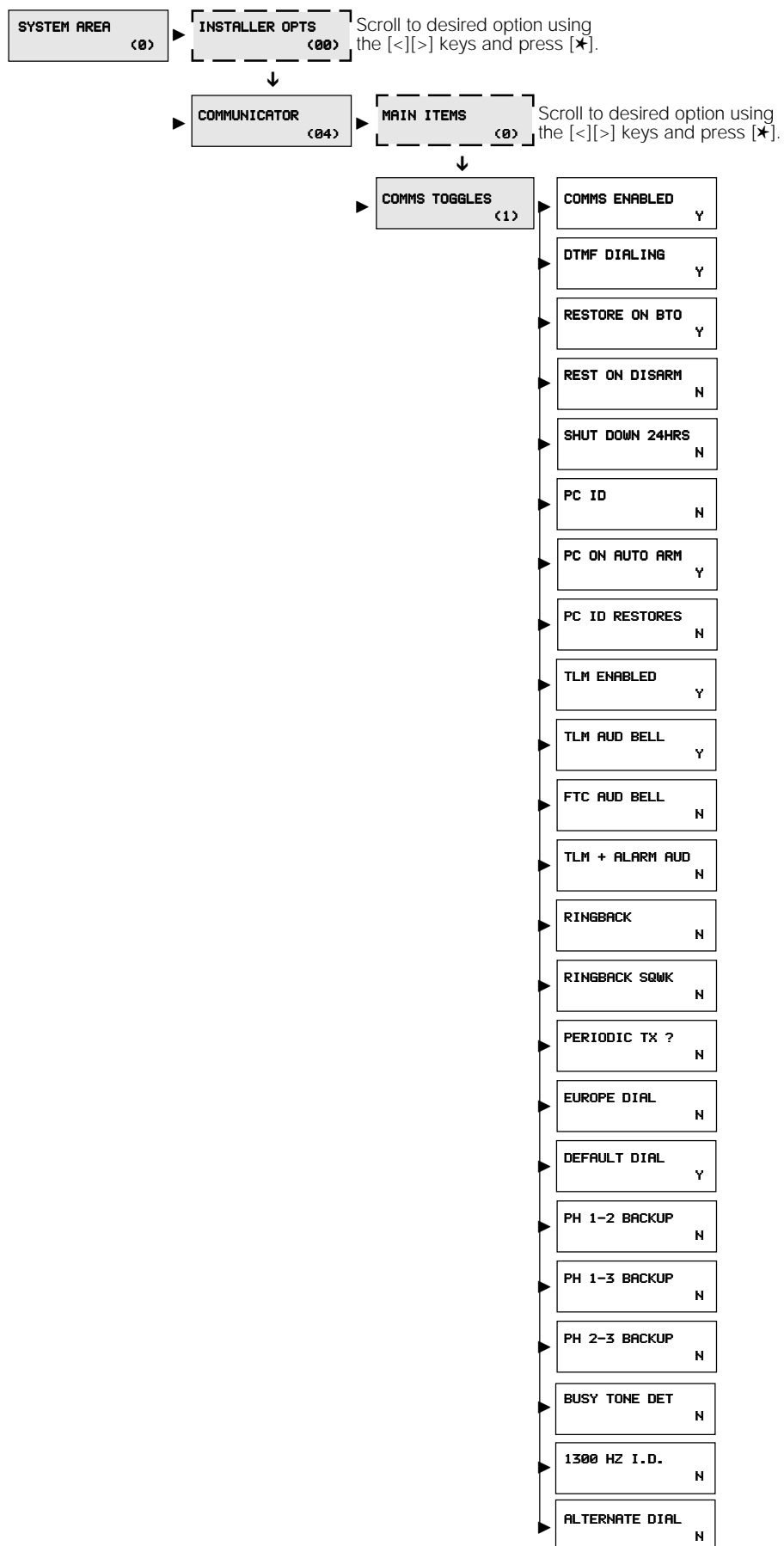


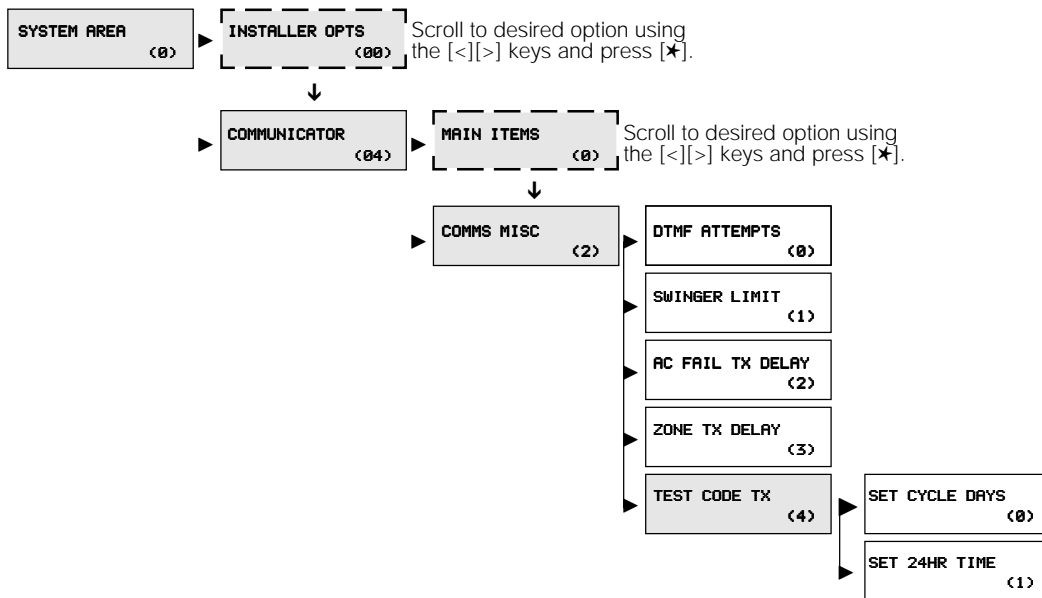


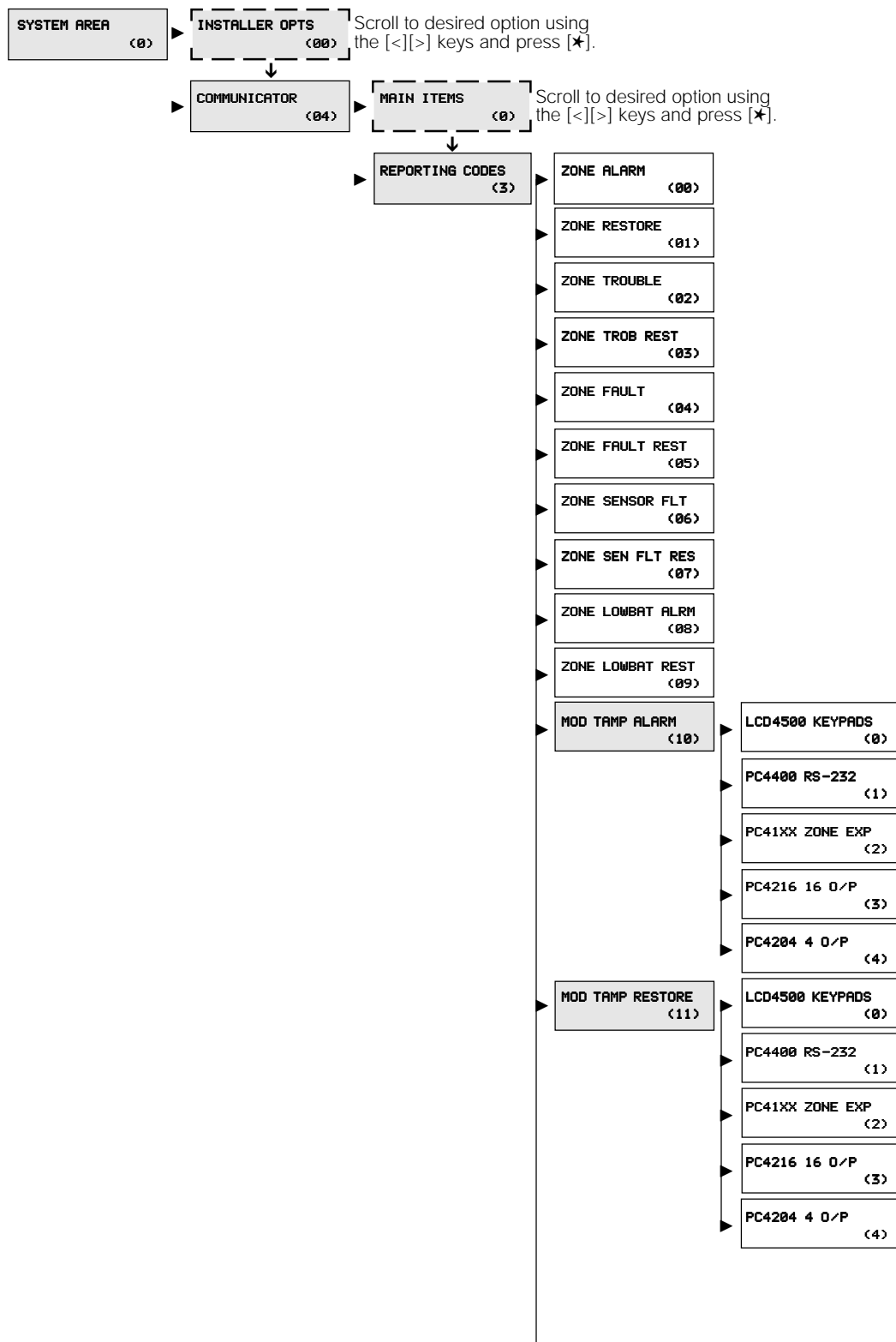




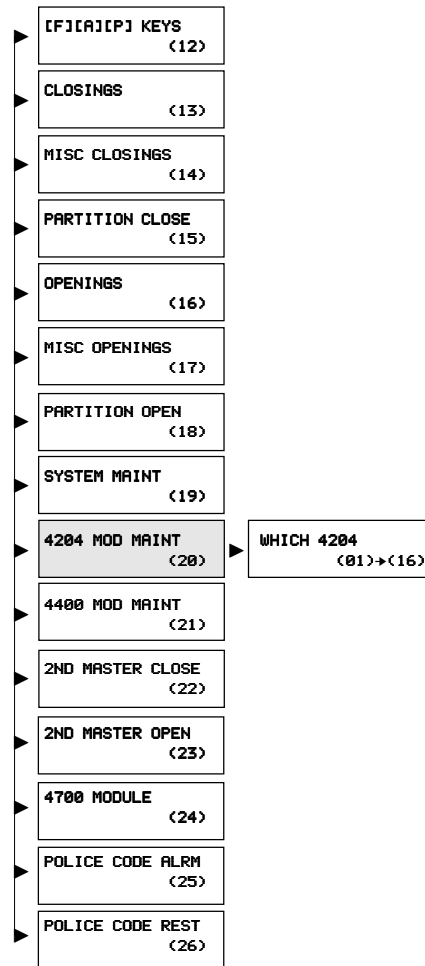




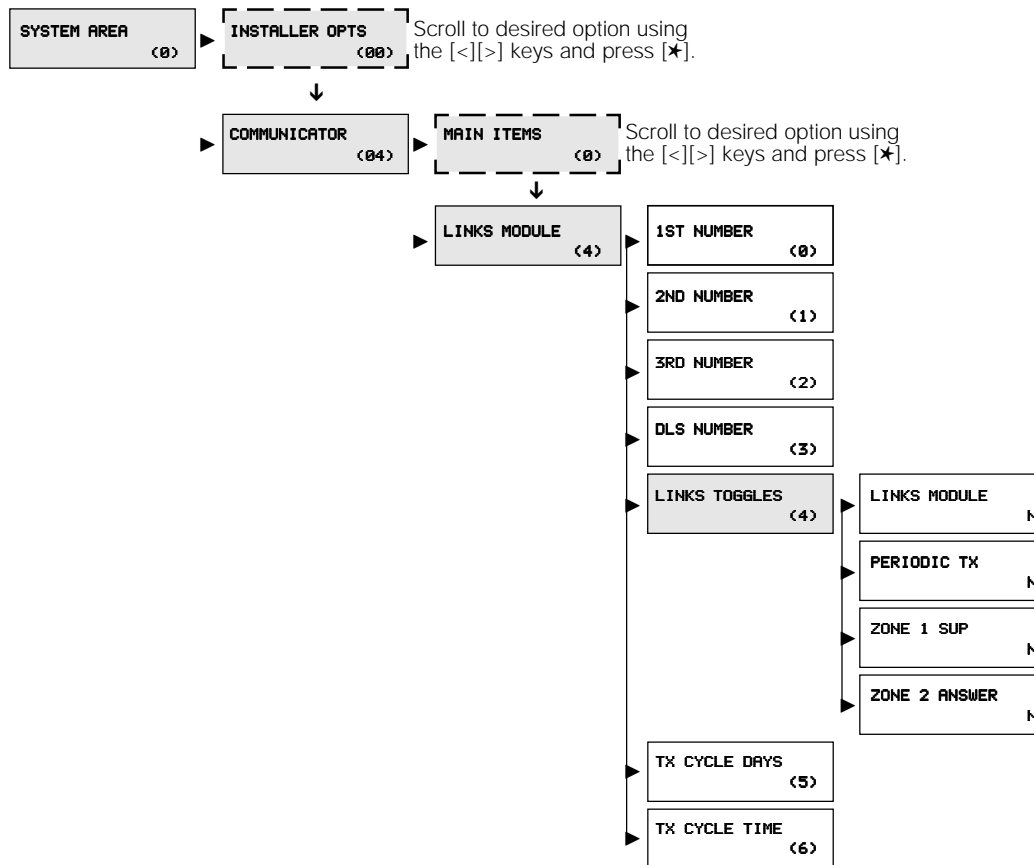




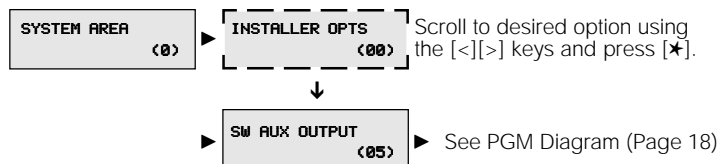
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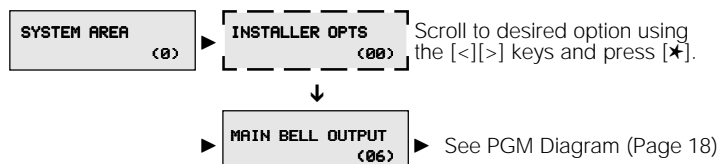
SYSTEM AREA ► COMMUNICATOR ► LINKS MODULE
SYSTEM AREA ► SW AUX OUTPUT
SYSTEM AREA ► MAIN BELL OUTPUT

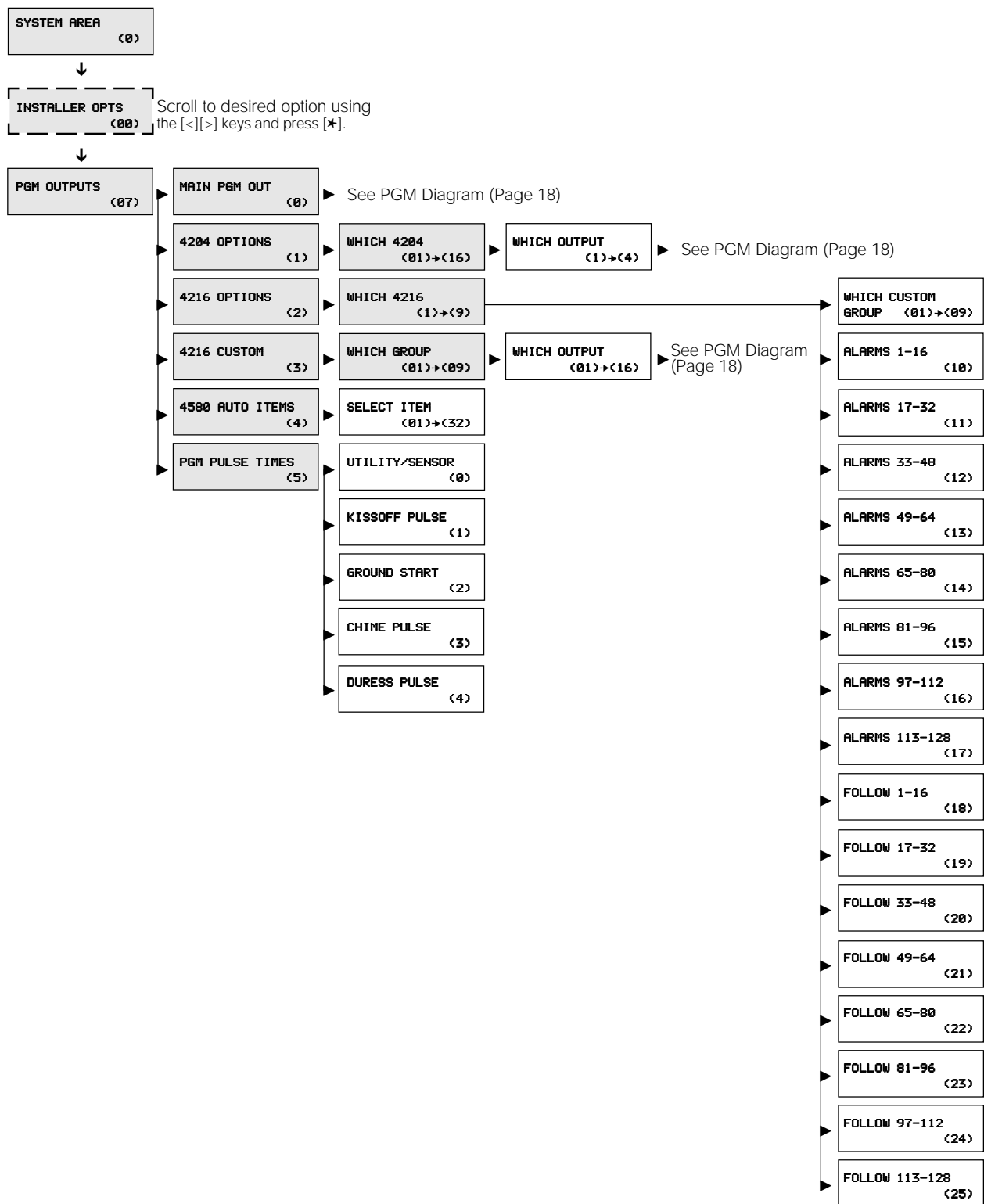


SYSTEM AREA ► SW AUX OUTPUT

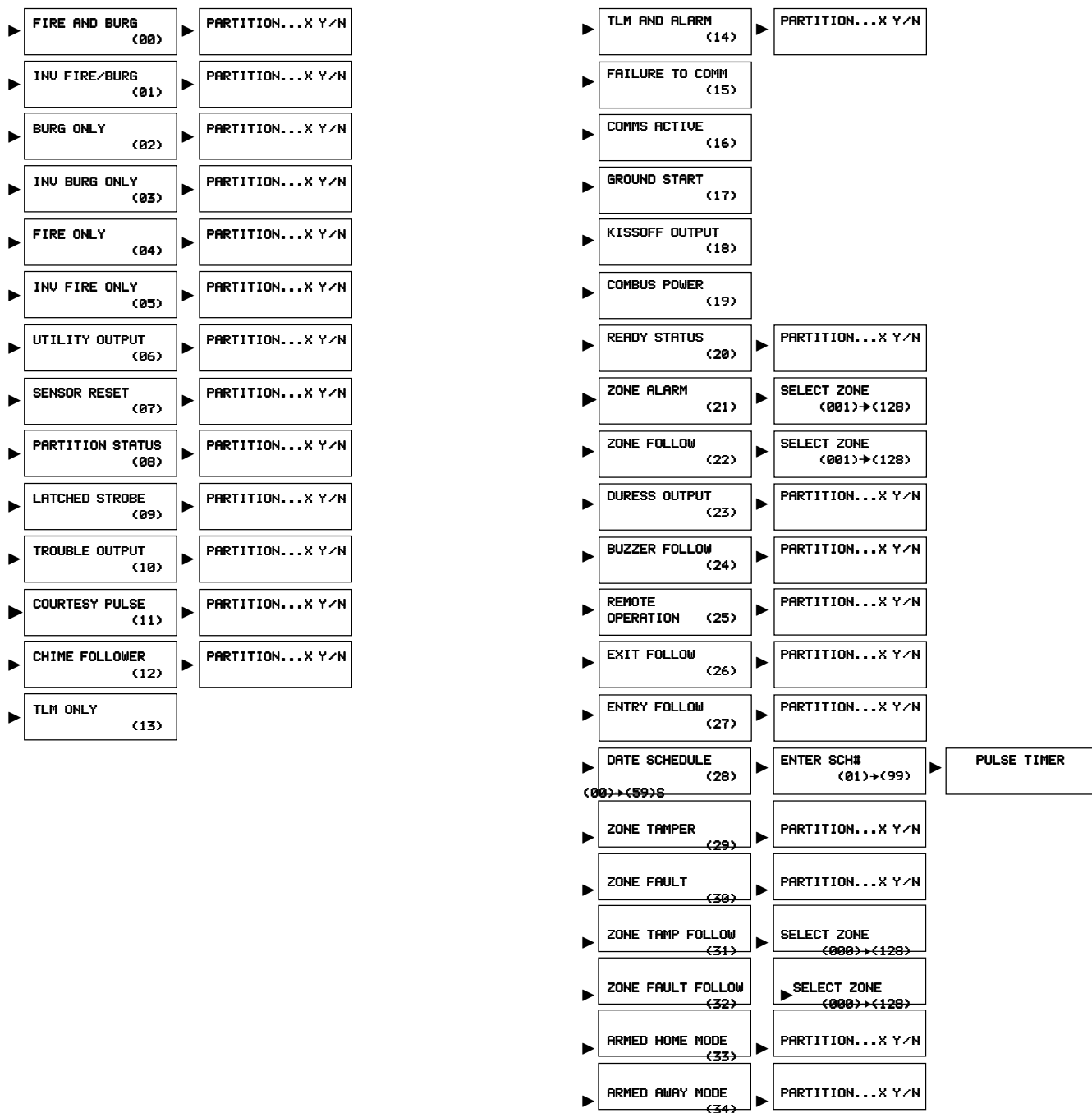


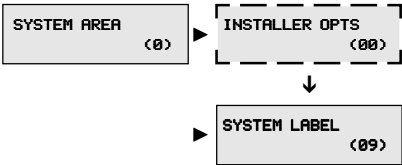
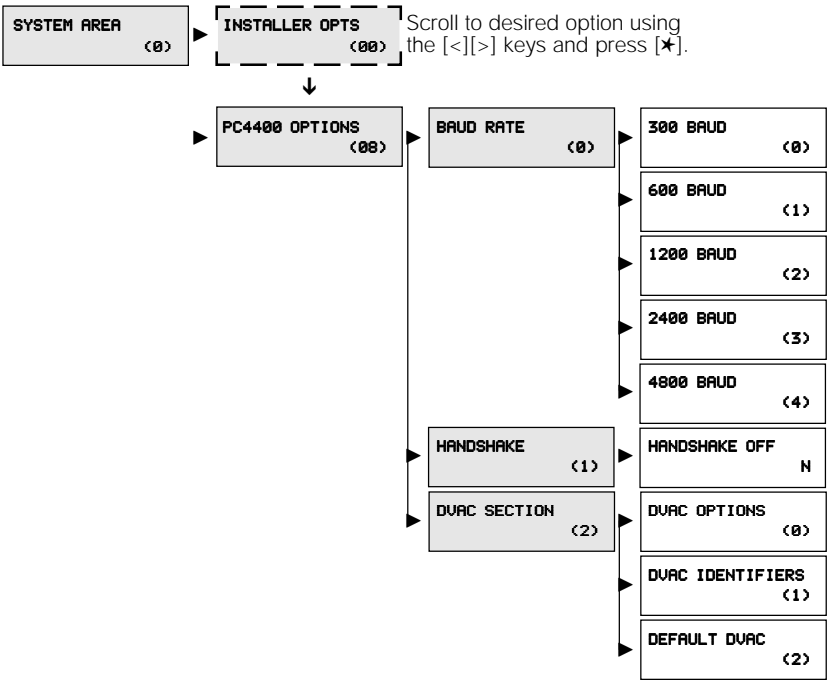
SYSTEM AREA ► MAIN BELL OUTPUT



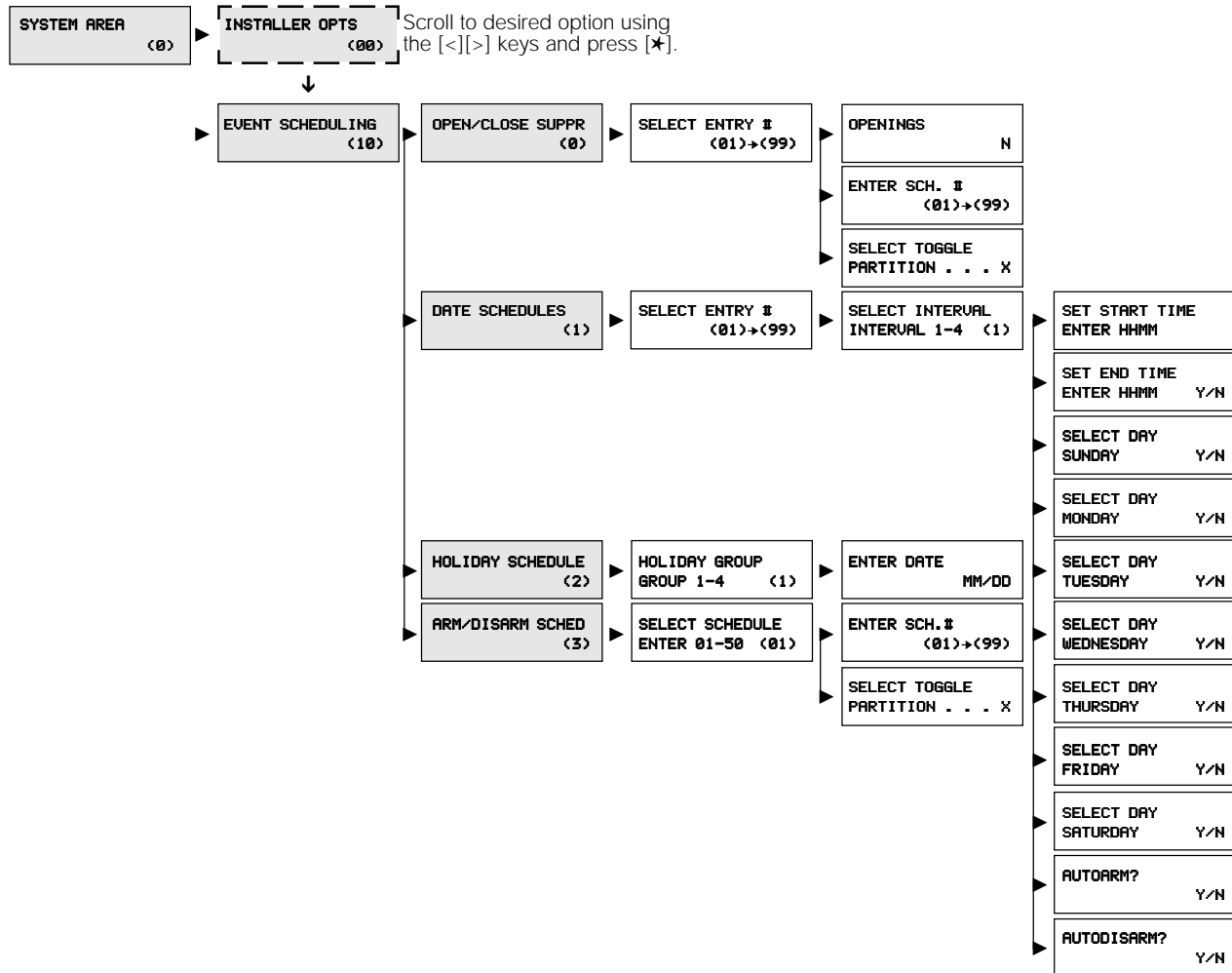


PGM Diagram





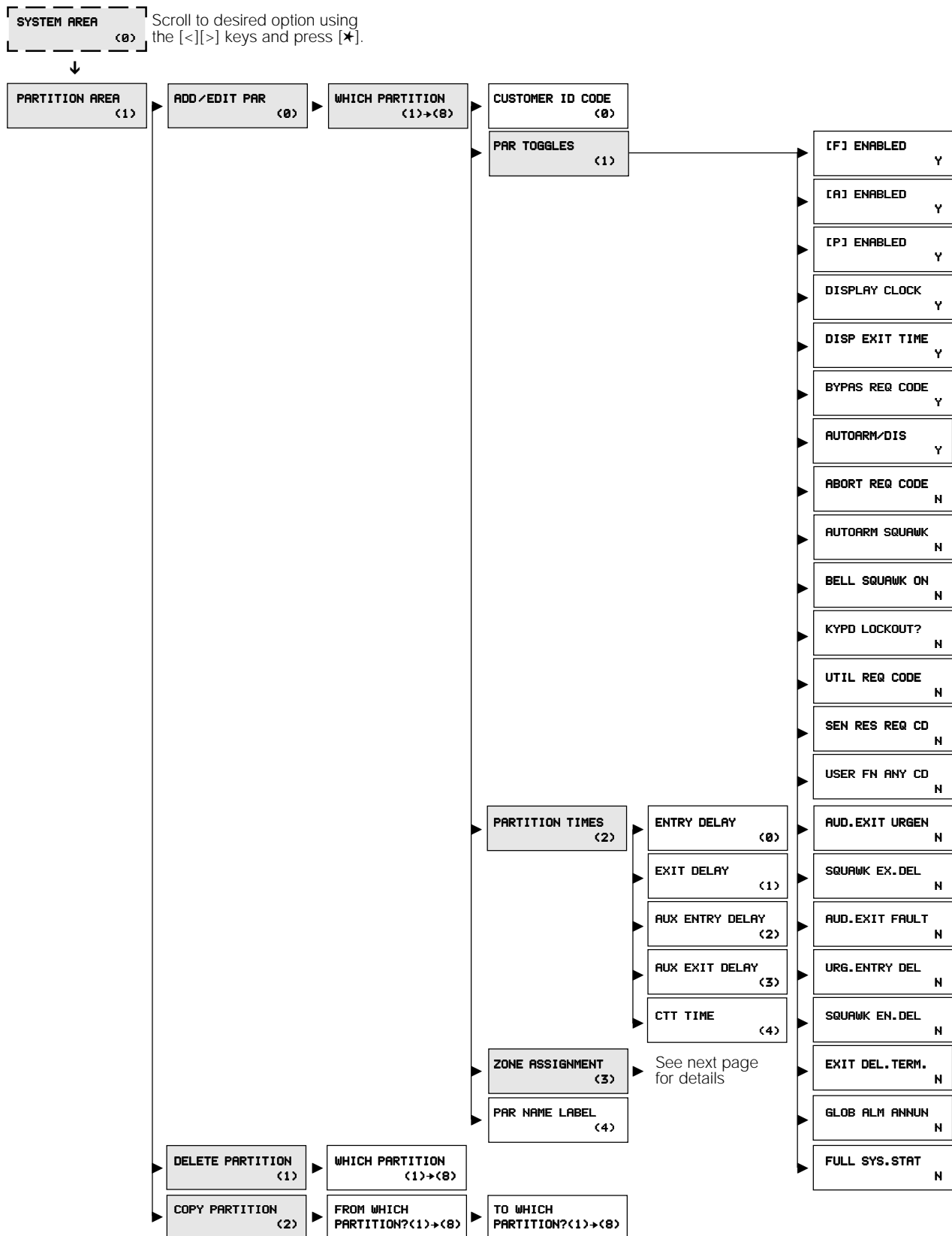
Event Scheduling

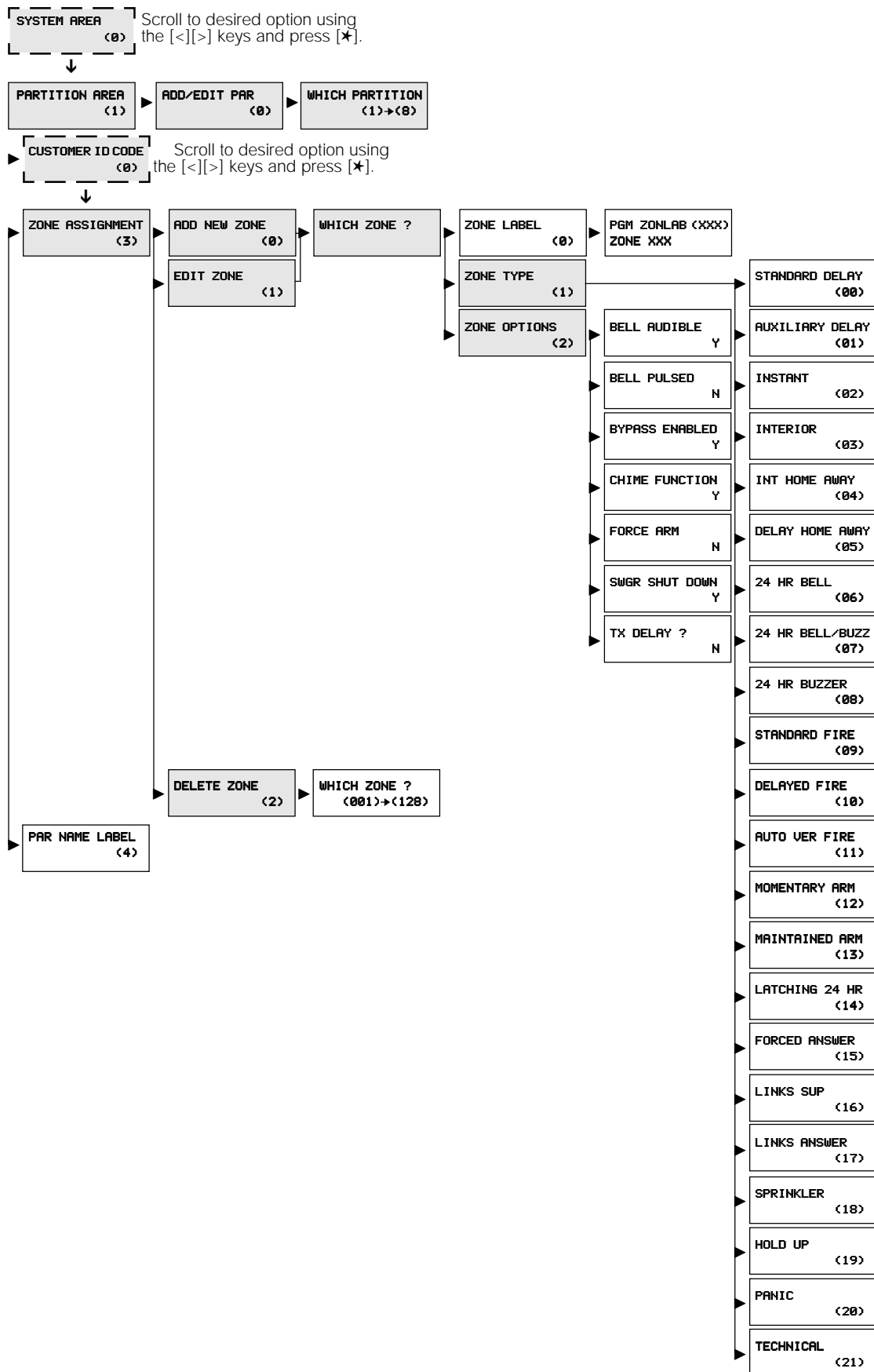


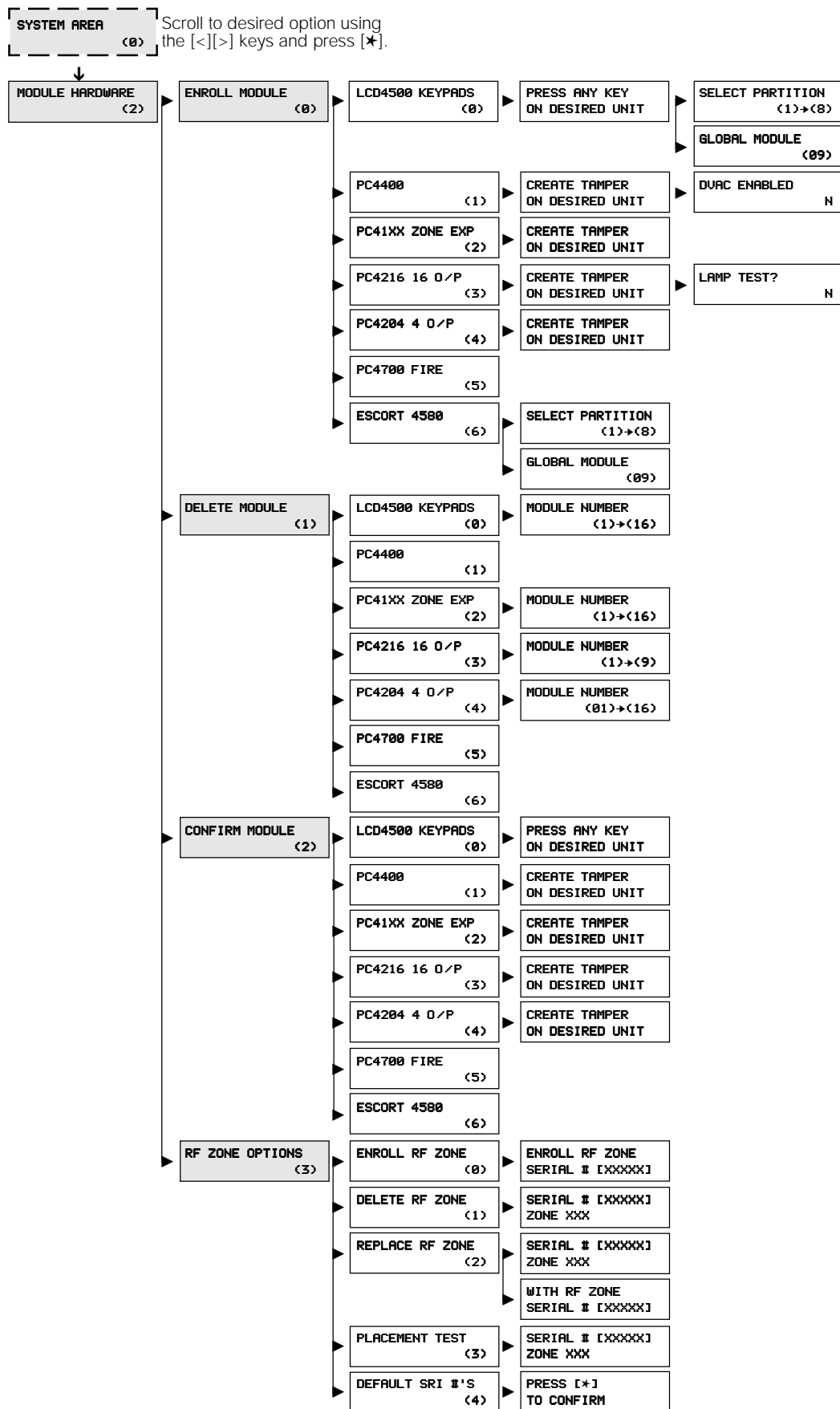
Partition Area Index

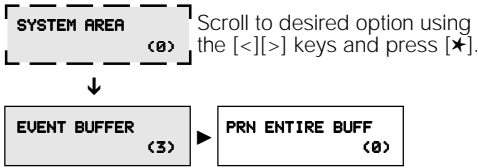
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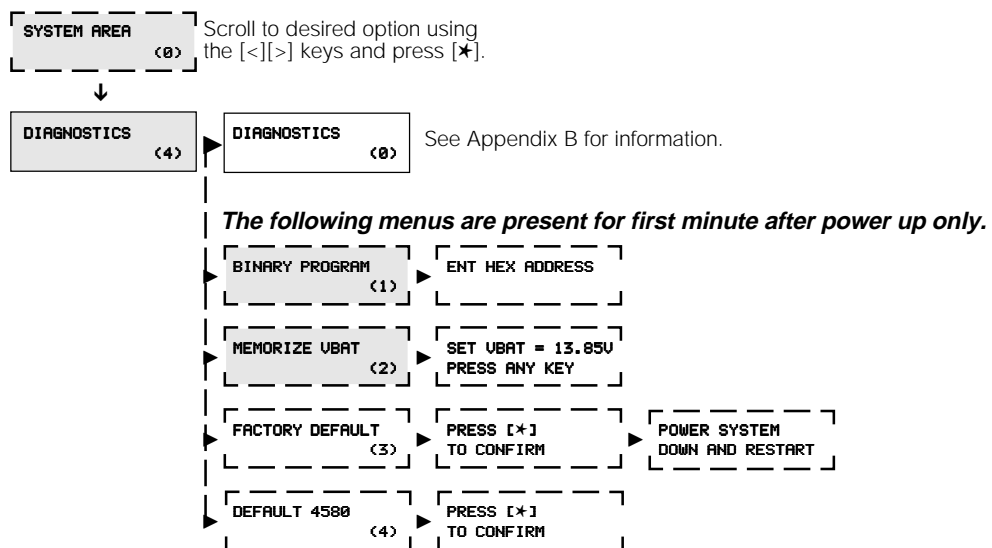
PARTITION AREA (1)	ADD/EDIT PAR (0)	WHICH PARTITION (1)→(8)	CUSTOMER ID CODE (0)	22
			PAR TOGGLES (1)	22
			PARTITION TIMES (2)	22
			ZONE ASSIGNMENT (3)	22
			PAR NAME LABEL (4)	22
	DELETE PARTITION (1)	WHICH PARTITION (1)→(8)		22
	COPY PARTITION (2)	FROM WHICH PARTITION ? (1)→(8)	TO WHICH PARTITION ? (1)→(8)	22











APPENDIX A

List of Available ASCII Characters

	0	@	P	`	Ɔ	▣	—	ㄣ	≡	α	ρ
032	048	064	080	096	112	160	176	192	208	224	240
!	1	A	Q	a	q	■	ア	チ	ㄥ	ä	q
033	049	065	081	097	113	161	177	193	209	225	241
"	2	B	R	b	r	Ɔ	イ	ツ	×	ß	ö
034	050	066	082	098	114	162	178	194	210	226	242
#	3	C	S	c	s	┐	ウ	テ	E	ε	°
035	051	067	083	099	115	163	179	195	211	227	243
\$	4	D	T	d	t	`	I	ト	†	μ	Ω
036	052	068	084	100	116	164	180	196	212	228	244
%	5	E	U	e	u	•	オ	ナ	┐	Ϸ	Ù
037	053	069	085	101	117	165	181	197	213	229	245
&	6	F	V	f	v	ヲ	カ	ニ	ヨ	ρ	Σ
038	054	070	086	102	118	166	182	198	214	230	246
'	7	G	W	g	w	ア	キ	ヌ	ウ	q	π
039	055	071	087	103	119	167	183	199	215	231	247
(	8	H	X	h	x	イ	ク	ネ	リ	Ɔ	ˆ
040	056	072	088	104	120	168	184	200	216	232	248
)	9	I	Y	i	y	ウ	ケ	ノ	ル	ˆ	Ÿ
041	057	073	089	105	121	169	185	201	217	233	249
*	:	J	Z	j	z	エ	コ	ハ	レ	j	Ɔ
042	058	074	090	106	122	170	186	202	218	234	250
+	;	K	[	k	(	カ	サ	ヒ	ロ	×	⌂
043	059	075	091	107	123	171	187	203	219	235	251
,	<	L	¥	l	|	ハ	シ	フ	ワ	φ	⌂
044	060	076	092	108	124	172	188	204	220	236	252
—	=	M	]	m	)	ユ	ズ	へ	ン	Ł	÷
045	061	077	093	109	125	173	189	205	221	237	253
▣	>	N	^	n	÷	ヨ	セ	ホ	ゝ	ñ	
046	062	078	094	110	126	174	190	206	222	238	254
/	?	O	_	o	←	ッ	ソ	マ	■	ö	■
047	063	079	095	111	127	175	191	207	223	239	255

APPENDIX B

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	LCD4500 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	PC4400 Serial Interface 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 use15
41 For future use16

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	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

Indicated Number	PC4700 Fire Module
---------------------	-----------------------

67 1

Indicated Number	Escort4580 Voice Prompting Module
---------------------	--------------------------------------

68 1



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Programming Flow Chart

