Jan 11, 1993
Software Version 1.3

PROGRAMMING WORK SHEETS

DSC
Digital Security Controls

PC4000

Book 2

PROGRAMMING THE PC4000

The PC4000 incorporates a new method of programming which uses a menu system to find a specific program location when is to be entered.

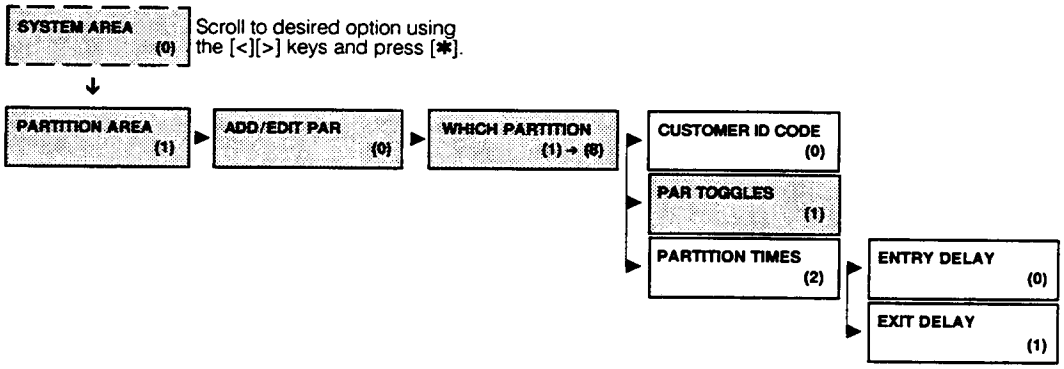
Book 1 contains the programming flow charts for the PC4000. The charts are arranged in such a way as to allow you to quickly find any option and the path required to arrive at the program location. In addition you will be able to see other options also available to you in the program area.

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 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 you 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 PC4000 you would enter:
[*], [1], [*], [2], [*], [3], [*], [4]
NOTE - The [*] key is required before every HEX digit entered.

PROGRAMMING WORK SHEETS

Zone Assignment

System Zone	Partition 1 2 3 4 5 6 7 8	Zone Label	Zone Type	Alarm Code*	Trouble Code	Restoral Code	Audible / Pulsed / Bypassable / Chime / Force Armable / Shut Downable / TX Delay
Z1							
Z2							
Z3							
Z4							
Z5							
Z6							
Z7							
Z8							
Z9							
Z10							
Z11							
Z12							
Z13							
Z14							
Z15							
Z16							

System Zone	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (0)
Zone Label	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (1) ▶ WHICH ZONE ▶ (0)
Zone Type	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (1) ▶ WHICH ZONE ▶ (1)
Alarm Code	(0) ▶ (05) ▶ (3) ▶ (00)
Trouble Code	(0) ▶ (05) ▶ (3) ▶ (01)
Restoral Code	(0) ▶ (05) ▶ (3) ▶ (02)
Audible	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (1) ▶ WHICH ZONE ▶ (2)
Pulsed	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (1) ▶ WHICH ZONE ▶ (2)
Bypassable	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (1) ▶ WHICH ZONE ▶ (2)
Chime	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (1) ▶ WHICH ZONE ▶ (2)
Force Armable	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (1) ▶ WHICH ZONE ▶ (2)
Shut Downable	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (1) ▶ WHICH ZONE ▶ (2)
TX Delay	(1) ▶ (0) ▶ (1)→(8) ▶ (3) ▶ (1) ▶ WHICH ZONE ▶ (2)

Installer Options

- **INSTALLER'S CODE** (0) ▶ (00) ▶ (0)
  Default
  | 4 | 0 | 0 | 0 | | | | |
- **GRAND MASTER CODE** (0) ▶ (00) ▶ (1)
  | 1 | 2 | 3 | 4 | | | | |
- **2ND GRAND MASTER CODE** (0) ▶ (00) ▶ (2)
  | A | A | A | A | | | | |
- **INSTALLER'S LOCKOUT ENABLED** (0) ▶ (00) ▶ (3)
  No Yes/No | |

LCD Messages

- **CUSTOM ZONE ID** (0) ▶ (01) ▶ (0) ▶ (224)→(255)

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	

- **FAIL TO ARM EVENT MESSAGE** (0) ▶ (01) ▶ (1) ▶ (0)
  Default
  | F | a | i | l | | t | o | | a | r | m | | | | | |
  | m | e | s | s | a | g | e | | | | | | | | | |
- **ALARM WHEN ARMED EVENT MESSAGE** (0) ▶ (01) ▶ (1) ▶ (1)
  Default
  | A | l | a | r | m | | w | h | i | l | e | | | | | |
  | a | r | m | e | d | | | | | | | | | | | |

Code Assignment

	Default		
▪ SYSTEM MASTER CODES	001	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (02) ▶ (0)
▪ PARTITION 1 CODES	127	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (02) ▶ (1)
▪ PARTITION 2 CODES	000	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (02) ▶ (2)
▪ PARTITION 3 CODES	000	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (02) ▶ (3)
▪ PARTITION 4 CODES	000	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (02) ▶ (4)
▪ PARTITION 5 CODES	000	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (02) ▶ (5)
▪ PARTITION 6 CODES	000	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (02) ▶ (6)
▪ PARTITION 7 CODES	000	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (02) ▶ (7)
▪ PARTITION 8 CODES	000	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (02) ▶ (8)

System Toggle Options (0) ▶ (03) ▶ (0)

	Default			Default	
▪ ZONES EOL	Yes	Yes/No ⌊__⌋	▪ DC INHIBIT ARM	No	Yes/No ⌊__⌋
▪ CHANGE SYS MAS	Yes	Yes/No ⌊__⌋	▪ ALARMS DISP	No	Yes/No ⌊__⌋
▪ POWER UP SHUNT	Yes	Yes/No ⌊__⌋	▪ BYPASS DISP	No	Yes/No ⌊__⌋
▪ AC TBL DISP	Yes	Yes/No ⌊__⌋	▪ VIEW PARTNS	Yes	Yes/No ⌊__⌋
▪ 60 HZ LINE	Yes	Yes/No ⌊__⌋	▪ AUTOARM SQUAWK	No	Yes/No ⌊__⌋
▪ XTAL TIME BASE	No	Yes/No ⌊__⌋	▪ BELL SHUT DOWN	Yes	Yes/No ⌊__⌋
▪ AC INHIBIT ARM	No	Yes/No ⌊__⌋	▪ FOLLOWS + ALARMS	No	Yes/No ⌊__⌋

Keypad Toggle Options (0) ▶ (03) ▶ (1)

	Default			Default	
▪ [F] BELL	Yes	Yes/No ⌊__⌋	▪ [A] AUD BUZZ	No	Yes/No ⌊__⌋
▪ [F] PULSE BELL	Yes	Yes/No ⌊__⌋	▪ [P] SIL BELL	Yes	Yes/No ⌊__⌋
▪ [F] BUZZER	Yes	Yes/No ⌊__⌋	▪ [P] STDY BELL	Yes	Yes/No ⌊__⌋
▪ [A] SIL BELL	Yes	Yes/No ⌊__⌋	▪ [P] SILENT BUZ	Yes	Yes/No ⌊__⌋
▪ [A] STDY BELL	Yes	Yes/No ⌊__⌋			

Keypad Lockout Options

	Default		
▪ TOTAL BAD CODES (000-255)	005	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (03) ▶ (2) ▶ (0)
▪ LOCKOUT DURATION (000-255 mins.)	015	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (03) ▶ (2) ▶ (1)
▪ LOCKOUT REPORTING CODE	FF	⌊__⌋⌊__⌋	(0) ▶ (03) ▶ (2) ▶ (2)

System Times

	Default		
▪ ZONE RESPONSE (000-255 x 100ms)	005 (500ms)	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (03) ▶ (3) ▶ (1)
▪ BELL CUTOFF (000-255 mins.)	001	⌊__⌋⌊__⌋⌊__⌋	(0) ▶ (03) ▶ (3) ▶ (2)

Downloading (0) ▶ (04) ▶ (0)

	Default		
▪ RING DETECT	No	Yes/No ⌊__⌋	
▪ USER CALL UP	No	Yes/No ⌊__⌋	
▪ DOUBLE CALL	No	Yes/No ⌊__⌋	
▪ DLS CALLBACK	No	Yes/No ⌊__⌋	
▪ PERIODIC DLS	No	Yes/No ⌊__⌋	
▪ USER ENABS DLS	Yes	Yes/No ⌊__⌋	
▪ PERIODIC CALLUP			
SET CYCLE DAYS (000-255 days)	030	⌊___⌋	(0) ▶ (04) ▶ (1) ▶ (0)
SET 24HR TIME (HH:MM)	0000	⌊____⌋	(0) ▶ (04) ▶ (1) ▶ (1)

▪ PHONE NUMBER (31 digits max.) (0) ▶ (04) ▶ (2)

⌊_____⌋

▪ PANEL ID CODE	4901	⌊____⌋	(0) ▶ (04) ▶ (3)
▪ ACCESS CODE	4900	⌊____⌋	(0) ▶ (04) ▶ (4)
▪ 2 CALL TIMER (000-255 secs.)	060	⌊___⌋	(0) ▶ (04) ▶ (5)
▪ # OF RINGS (000-255)	008	⌊___⌋	(0) ▶ (04) ▶ (6)

Communicator

▪ 1ST PHONE NUMBER (31 digits max.) (0) ▶ (05) ▶ (0) ▶ (0) ▶ (0)

⌊_____⌋

	Default		
▪ FORMAT (00-17)	[01] 20 Bps 2300	⌊__⌋	(0) ▶ (05) ▶ (0) ▶ (0) ▶ (1) ▶ (00)→(17)

Possible Selections

(00) 10 Bps 1400 - Silent Knight, Ademco Slow
(01) 20 Bps 2300 - Sescoa, Franklin, DCI, Vertex
(02) 20 Bps 1400 - Silent Knight Fast
(03) 40 Bps 2300 - Radionics
(04) 40 Bps 1400 - Radionics
(05) 40 Bps 2300 P - Radionics with Parity
(06) 40 Bps 1400 P - Radionics with Parity
(07) 10 Bps 1400 X - Silent Knight, Ademco Slow extended
(08) 20 Bps 2300 X - Sescoa, Franklin, DCI, Vertex extended
(09) 20 Bps 1400 X - Silent Knight, Ademco Fast extended
(10) 40 Bps 2300 X - Radionics Extended
(11) 40 Bps 1400 X - Radionics Extended
(12) 40 Bps 2300 XP - Radionics Extended with Parity
(13) 40 Bps 1400 XP - Radionics Extended with Parity
(14) SIA Fsk Format
(15) Sescoa Super Speed
(16) Sescoa Super Speed ID
(17) DTMF Contact ID
(18) 4/3 DTMF Format

- DIAL DIRECTION (0) ▶ (05) ▶ (0) ▶ (0) ▶ (2)

	Default	
ALARM/RESTORE	Yes	Yes/No ⌊_⌋
OPEN/CLOSE	Yes	Yes/No ⌊_⌋
ALL OTHERS	Yes	Yes/No ⌊_⌋

- 2ND PHONE NUMBER (31 digits max.) (0) ▶ (05) ▶ (0) ▶ (1) ▶ (0)

⌊_____⌋

- FORMAT (00-17) Default
  (0) ▶ (05) ▶ (0) ▶ (1) ▶ (1) ▶ (00)→(17) [01] 20 Bps 2300 ⌊__⌋ *

- DIAL DIRECTION (0) ▶ (05) ▶ (0) ▶ (1) ▶ (2)

ALARM/RESTORE	No	Yes/No ⌊_⌋
OPEN/CLOSE	No	Yes/No ⌊_⌋
ALL OTHERS	No	Yes/No ⌊_⌋

- 3RD PHONE NUMBER (31 digits max.) (0) ▶ (05) ▶ (0) ▶ (2) ▶ (0)

⌊_____⌋

- FORMAT (00-17) Default
  (0) ▶ (05) ▶ (0) ▶ (2) ▶ (1) ▶ (00)→(17) [01] 20 Bps 2300 ⌊__⌋ *

- DIAL DIRECTION (0) ▶ (05) ▶ (0) ▶ (2) ▶ (2)

ALARM/RESTORE	No	Yes/No ⌊_⌋
OPEN/CLOSE	No	Yes/No ⌊_⌋
ALL OTHERS	No	Yes/No ⌊_⌋

* Possible Selections

(00) 10 Bps 1400 - Silent Knight, Ademco Slow
(01) 20 Bps 2300 - Sescoa, Franklin, DCI, Vertex
(02) 20 Bps 1400 - Silent Knight Fast
(03) 40 Bps 2300 - Radionics
(04) 40 Bps 1400 - Radionics
(05) 40 Bps 2300 P - Radionics with Parity
(06) 40 Bps 1400 P - Radionics with Parity
(07) 10 Bps 1400 X - Silent Knight, Ademco Slow extended
(08) 20 Bps 2300 X - Sescoa, Franklin, DCI, Vertex extended
(09) 20 Bps 1400 X - Silent Knight, Ademco Fast extended
(10) 40 Bps 2300 X - Radionics Extended
(11) 40 Bps 1400 X - Radionics Extended
(12) 40 Bps 2300 XP - Radionics Extended with Parity
(13) 40 Bps 1400 XP - Radionics Extended with Parity
(14) SIA Fsk Format
(15) Sescoa Super Speed
(16) Sescoa Super Speed ID
(17) DTMF Contact ID
(18) 4/3 DTMF Format

	Default		
■ SYSTEM I.D. CODE	FFFF	⌊_⌊_⌊_⌊_⌋	(0) ▶ (05) ▶ (0) ▶ (3)
■ COMMS ENABLED	Yes	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ DTMF DIALING	Yes	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ RESTORE ON BTO	Yes	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ REST ON DISARM	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ SHUT DOWN 24HRS	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ PC ID	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ PC ON AUTO ARM	Yes	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ PC RESTORES	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ TLM ENABLED	Yes	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ TLM AUD BELL	Yes	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ FTC AUD BELL	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ TLM + ALARM AUD	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ RINGBACK	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ PERIODIC TX?	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ EUROPE DIAL	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ DEFAULT DIAL	Yes	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ PH 1-2 BACKUP	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ PH 1-3 BACKUP	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ PH 2-3 BACKUP	No	Yes/No ⌊_⌋	(0) ▶ (05) ▶ (1)
■ DTMF ATTEMPTS (000-255)	002	⌊_⌊_⌊_⌋	(0) ▶ (05) ▶ (2) ▶ (0)
■ SWINGER LIMIT (000-255)	003	⌊_⌊_⌊_⌋	(0) ▶ (05) ▶ (2) ▶ (1)
■ AC FAIL TX DELAY (000-255 mins.)	030	⌊_⌊_⌊_⌋	(0) ▶ (05) ▶ (2) ▶ (2)
■ ZONE TX DELAY (000-255 secs.)	000	⌊_⌊_⌊_⌋	(0) ▶ (05) ▶ (2) ▶ (3)
■ TEST CODE TX CYCLE DAYS (000-255 days)	030	⌊_⌊_⌊_⌋	(0) ▶ (05) ▶ (2) ▶ (4) ▶ (0)
■ TEST CODE TX 24 HR TIME (HH:MM)	00:00	⌊_⌊_⌊_⌊_⌋	(0) ▶ (05) ▶ (2) ▶ (4) ▶ (1)

Reporting Codes

- LCD-4500 KEYPAD TAMPER ALARMS (0) ▶ (05) ▶ (3) ▶ (03) ▶ (0)

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

- LCD-4500 KEYPAD TAMPER RESTORALS (0) ▶ (05) ▶ (3) ▶ (04) ▶ (0)

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

- [F] [A] [P] KEYS (0) ▶ (05) ▶ (3) ▶ (05)

[F] KEY ALARM ___	[F] KEY RESTORE ___
[A] KEY ALARM ___	[A] KEY RESTORE ___
[P] KEY ALARM ___	[P] KEY RESTORE ___

- CLOSINGS (0) ▶ (05) ▶ (3) ▶ (06)

USER 1 CLOSING __	USER 33 CLOSING __	USER 65 CLOSING __	USER 97 CLOSING __
USER 2 CLOSING __	USER 34 CLOSING __	USER 66 CLOSING __	USER 98 CLOSING __
USER 3 CLOSING __	USER 35 CLOSING __	USER 67 CLOSING __	USER 99 CLOSING __
USER 4 CLOSING __	USER 36 CLOSING __	USER 68 CLOSING __	USER 100 CLOSING __
USER 5 CLOSING __	USER 37 CLOSING __	USER 69 CLOSING __	USER 101 CLOSING __
USER 6 CLOSING __	USER 38 CLOSING __	USER 70 CLOSING __	USER 102 CLOSING __
USER 7 CLOSING __	USER 39 CLOSING __	USER 71 CLOSING __	USER 103 CLOSING __
USER 8 CLOSING __	USER 40 CLOSING __	USER 72 CLOSING __	USER 104 CLOSING __
USER 9 CLOSING __	USER 41 CLOSING __	USER 73 CLOSING __	USER 105 CLOSING __
USER 10 CLOSING __	USER 42 CLOSING __	USER 74 CLOSING __	USER 106 CLOSING __
USER 11 CLOSING __	USER 43 CLOSING __	USER 75 CLOSING __	USER 107 CLOSING __
USER 12 CLOSING __	USER 44 CLOSING __	USER 76 CLOSING __	USER 108 CLOSING __
USER 13 CLOSING __	USER 45 CLOSING __	USER 77 CLOSING __	USER 109 CLOSING __
USER 14 CLOSING __	USER 46 CLOSING __	USER 78 CLOSING __	USER 110 CLOSING __
USER 15 CLOSING __	USER 47 CLOSING __	USER 79 CLOSING __	USER 111 CLOSING __
USER 16 CLOSING __	USER 48 CLOSING __	USER 80 CLOSING __	USER 112 CLOSING __
USER 17 CLOSING __	USER 49 CLOSING __	USER 81 CLOSING __	USER 113 CLOSING __
USER 18 CLOSING __	USER 50 CLOSING __	USER 82 CLOSING __	USER 114 CLOSING __
USER 19 CLOSING __	USER 51 CLOSING __	USER 83 CLOSING __	USER 115 CLOSING __
USER 20CLOSING __	USER 52 CLOSING __	USER 84 CLOSING __	USER 116 CLOSING __
USER 21 CLOSING __	USER 53 CLOSING __	USER 85 CLOSING __	USER 117 CLOSING __
USER 22 CLOSING __	USER 54 CLOSING __	USER 86 CLOSING __	USER 118 CLOSING __
USER 23 CLOSING __	USER 55 CLOSING __	USER 87 CLOSING __	USER 119 CLOSING __
USER 24 CLOSING __	USER 56 CLOSING __	USER 88 CLOSING __	USER 120 CLOSING __
USER 25 CLOSING __	USER 57 CLOSING __	USER 89 CLOSING __	USER 121 CLOSING __
USER 26 CLOSING __	USER 58 CLOSING __	USER 90 CLOSING __	USER 122 CLOSING __
USER 27 CLOSING __	USER 59 CLOSING __	USER 91 CLOSING __	USER 123 CLOSING __
USER 28 CLOSING __	USER 60 CLOSING __	USER 92 CLOSING __	USER 124 CLOSING __
USER 29 CLOSING __	USER 61 CLOSING __	USER 93 CLOSING __	USER 125 CLOSING __
USER 30CLOSING __	USER 62 CLOSING __	USER 94 CLOSING __	USER126 CLOSING __
USER 31 CLOSING __	USER 63 CLOSING __	USER 95 CLOSING __	USER127 CLOSING __
USER 32 CLOSING __	USER 64 CLOSING __	USER 96 CLOSING __	USER 128 CLOSING __

- MISC CLOSINGS (0) ▶ (05) ▶ (3) ▶ (07)

QUICK ARM __	PARTIAL CLOSING __	AUTOARM CLOSING __	KEYPAD LOCK OUT __

■ OPENINGS (0) ▶ (05) ▶ (3) ▶ (08)

USER 1 OPENING ___	USER 33 OPENING ___	USER 65 OPENING ___	USER 97 OPENING ___
USER 2 OPENING ___	USER 34 OPENING ___	USER 66 OPENING ___	USER 98 OPENING ___
USER 3 OPENING ___	USER 35 OPENING ___	USER 67 OPENING ___	USER 99 OPENING ___
USER 4 OPENING ___	USER 36 OPENING ___	USER 68 OPENING ___	USER 100 OPENING ___
USER 5 OPENING ___	USER 37 OPENING ___	USER 69 OPENING ___	USER 101 OPENING ___
USER 6 OPENING ___	USER 38 OPENING ___	USER 70 OPENING ___	USER 102 OPENING ___
USER 7 OPENING ___	USER 39 OPENING ___	USER 71 OPENING ___	USER 103 OPENING ___
USER 8 OPENING ___	USER 40 OPENING ___	USER 72 OPENING ___	USER 104 OPENING ___
USER 9 OPENING ___	USER 41 OPENING ___	USER 73 OPENING ___	USER 105 OPENING ___
USER 10 OPENING ___	USER 42 OPENING ___	USER 74 OPENING ___	USER 106 OPENING ___
USER 11 OPENING ___	USER 43 OPENING ___	USER 75 OPENING ___	USER 107 OPENING ___
USER 12 OPENING ___	USER 44 OPENING ___	USER 76 OPENING ___	USER 108 OPENING ___
USER 13 OPENING ___	USER 45 OPENING ___	USER 77 OPENING ___	USER 109 OPENING ___
USER 14 OPENING ___	USER 46 OPENING ___	USER 78 OPENING ___	USER 110 OPENING ___
USER 15 OPENING ___	USER 47 OPENING ___	USER 79 OPENING ___	USER 111 OPENING ___
USER 16 OPENING ___	USER 48 OPENING ___	USER 80 OPENING ___	USER 112 OPENING ___
USER 17 OPENING ___	USER 49 OPENING ___	USER 81 OPENING ___	USER 113 OPENING ___
USER 18 OPENING ___	USER 50 OPENING ___	USER 82 OPENING ___	USER 114 OPENING ___
USER 19 OPENING ___	USER 51 OPENING ___	USER 83 OPENING ___	USER 115 OPENING ___
USER 20 OPENING ___	USER 52 OPENING ___	USER 84 OPENING ___	USER 116 OPENING ___
USER 21 OPENING ___	USER 53 OPENING ___	USER 85 OPENING ___	USER 117 OPENING ___
USER 22 OPENING ___	USER 54 OPENING ___	USER 86 OPENING ___	USER 118 OPENING ___
USER 23 OPENING ___	USER 55 OPENING ___	USER 87 OPENING ___	USER 119 OPENING ___
USER 24 OPENING ___	USER 56 OPENING ___	USER 88 OPENING ___	USER 120 OPENING ___
USER 25 OPENING ___	USER 57 OPENING ___	USER 89 OPENING ___	USER 121 OPENING ___
USER 26 OPENING ___	USER 58 OPENING ___	USER 90 OPENING ___	USER 122 OPENING ___
USER 27 OPENING ___	USER 59 OPENING ___	USER 91 OPENING ___	USER 123 OPENING ___
USER 28 OPENING ___	USER 60 OPENING ___	USER 92 OPENING ___	USER 124 OPENING ___
USER 29 OPENING ___	USER 61 OPENING ___	USER 93 OPENING ___	USER 125 OPENING ___
USER 30 OPENING ___	USER 62 OPENING ___	USER 94 OPENING ___	USER126 OPENING ___
USER 31 OPENING ___	USER 63 OPENING ___	USER 95 OPENING ___	USER127 OPENING ___
USER 32 OPENING ___	USER 64 OPENING ___	USER 96 OPENING ___	USER 128 OPENING ___

■ MISC OPENING (0) ▶ (05) ▶ (3) ▶ (09)

OPEN AFTER ALARM ___

- SYSTEM MAINT (0) ▶ (05) ▶ (3) ▶ (10)

BATTERY TROUBLE	⌊_⌋⌊_⌋	TLM RESTORAL	⌊_⌋⌊_⌋
AC LINE TROUBLE	⌊_⌋⌊_⌋	FTC RESTORAL	⌊_⌋⌊_⌋
MAIN BELL TROUB	⌊_⌋⌊_⌋	PERIODIC TEST	⌊_⌋⌊_⌋
MAIN AUX TROUB	⌊_⌋⌊_⌋	BUF NEAR FULL	⌊_⌋⌊_⌋
BATTERY RESTORE	⌊_⌋⌊_⌋	USER SYSTEM TEST	⌊_⌋⌊_⌋
AC LINE RESTORE	⌊_⌋⌊_⌋	DLS LEAD IN	⌊_⌋⌊_⌋
MAIN BELL REST	⌊_⌋⌊_⌋	DLS TRAIL OUT	⌊_⌋⌊_⌋
MAIN AUX REST	⌊_⌋⌊_⌋	INS LEAD IN	⌊_⌋⌊_⌋
COMBUS TROUBLE	⌊_⌋⌊_⌋	INS TRAIL OUT	⌊_⌋⌊_⌋
COMBUS RESTORE	⌊_⌋⌊_⌋		

- 2ND MASTER CLOSE ⌊_⌋⌊_⌋ (0) ▶ (05) ▶ (3) ▶ (13)
- 2ND MASTER OPEN ⌊_⌋⌊_⌋ (0) ▶ (05) ▶ (3) ▶ (14)

Switched Auxiliary Output (Main Board) (0) ▶ (06) ▶ (00)→(22)

Default

- (00-22) [07] SENSOR RESET ⌊_⌋⌊_⌋

Possible Selections

[00] FIRE AND BURG	[06] UTILITY OUTPUT	[12] CHIME FOLLOWER	[18] KISSOFF OUTPUT
[01] INV FIRE/BURG	[07] SENSOR RESET	[13] TLM ONLY	[19] COMBUS POWER
[02] BURG ONLY	[08] PARTITION STATUS	[14] TLM AND ALARM	[20] READY STATUS
[03] INV BURG ONLY	[09] LATCHED STROBE	[15] FAILURE TO COMM	[21] ZONE ALARM
[04] FIRE ONLY	[10] TROUBLE OUTPUT	[16] COMMS ACTIVE	[22] ZONE FOLLOW
[05] INV FIRE ONLY	[11] COURTESY PULSE	[17] GROUND START	

- Partition? 1 2 3 4 5 6 7 8 — 1 2 3 4 5 6 7 8

  Y Y Y Y Y Y Y Y ⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋

- Zone? [000 - 128] ⌊_⌋⌊_⌋⌊_⌋

Bell (Main Board) (0) ▶ (07) ▶ (00)→(22)

- (00-22) [00] FIRE AND BURG ⌊_⌋⌊_⌋

Possible Selections

[00] FIRE AND BURG	[06] UTILITY OUTPUT	[12] CHIME FOLLOWER	[18] KISSOFF OUTPUT
[01] INV FIRE/BURG	[07] SENSOR RESET	[13] TLM ONLY	[19] COMBUS POWER
[02] BURG ONLY	[08] PARTITION STATUS	[14] TLM AND ALARM	[20] READY STATUS
[03] INV BURG ONLY	[09] LATCHED STROBE	[15] FAILURE TO COMM	[21] ZONE ALARM
[04] FIRE ONLY	[10] TROUBLE OUTPUT	[16] COMMS ACTIVE	[22] ZONE FOLLOW
[05] INV FIRE ONLY	[11] COURTESY PULSE	[17] GROUND START	

- Partition? 1 2 3 4 5 6 7 8 — 1 2 3 4 5 6 7 8

  Y Y Y Y Y Y Y Y ⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋

- Zone? [000 - 128] ⌊_⌋⌊_⌋⌊_⌋

Pgm Outputs

Default

- MAIN PGM OUTPUT (00-22) [06] UTILITY OUTPUT ⌊_⌋⌊_⌋ (0) ▶ (08) ▶ (0) ▶ (00)→(22)

Possible Selections

[00] FIRE AND BURG	[06] UTILITY OUTPUT	[12] CHIME FOLLOWER	[18] KISSOFF OUTPUT
[01] INV FIRE/BURG	[07] SENSOR RESET	[13] TLM ONLY	[19] COMBUS POWER
[02] BURG ONLY	[08] PARTITION STATUS	[14] TLM AND ALARM	[20] READY STATUS
[03] INV BURG ONLY	[09] LATCHED STROBE	[15] FAILURE TO COMM	[21] ZONE ALARM
[04] FIRE ONLY	[10] TROUBLE OUTPUT	[16] COMMS ACTIVE	[22] ZONE FOLLOW
[05] INV FIRE ONLY	[11] COURTESY PULSE	[17] GROUND START	

- PARTITION? 1 2 3 4 5 6 7 8 — Y Y Y Y Y Y Y Y — 1 2 3 4 5 6 7 8 — ⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋
- Zone? [000 - 128] ⌊_⌋⌊_⌋⌊_⌋
- 4216 CUSTOM PGM OUTPUTS (0) ▶ (08) ▶ (3) ▶ (01)→(16) ▶ (00)→(22)

Default

	Option	Partition 1 2 3 4 5 6 7 8	Option	Partition 1 2 3 4 5 6 7 8	Zone
OUTPUT 1	00	Y N N N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 2	00	N Y Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 3	01	Y Y Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 4	02	Y Y Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 5	03	Y Y Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 6	04	Y Y Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 7	05	Y Y Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 8	09	Y Y Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 9	07	Y N N N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 10	07	N Y N N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 11	07	N N Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 12	06	Y N N N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 13	06	N Y Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 14	08	Y N N N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 15	08	N Y N N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋
OUTPUT 16	08	N N Y N N N N N	⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋⌊_⌋	⌊_⌋⌊_⌋⌊_⌋

Possible Selections

[00] FIRE AND BURG	[06] UTILITY OUTPUT	[12] CHIME FOLLOWER	[18] KISSOFF OUTPUT
[01] INV FIRE/BURG	[07] SENSOR RESET	[13] TLM ONLY	[19] COMBUS POWER
[02] BURG ONLY	[08] PARTITION STATUS	[14] TLM AND ALARM	[20] READY STATUS
[03] INV BURG ONLY	[09] LATCHED STROBE	[15] FAILURE TO COMM	[21] ZONE ALARM
[04] FIRE ONLY	[10] TROUBLE OUTPUT	[16] COMMS ACTIVE	[22] ZONE FOLLOW
[05] INV FIRE ONLY	[11] COURTESY PULSE	[17] GROUND START	

- PGM PULSE TIMES (000 - 255 secs.)

Default

UTILITY/SENSOR	005	⌊_⌋⌊_⌋⌊_⌋	(0) ▶ (08) ▶ (4) ▶ (0)
KISSOFF OUTPUT	003	⌊_⌋⌊_⌋⌊_⌋	(0) ▶ (08) ▶ (4) ▶ (1)
GROUND START	002	⌊_⌋⌊_⌋⌊_⌋	(0) ▶ (08) ▶ (4) ▶ (2)
CHIME PULSE	002	⌊_⌋⌊_⌋⌊_⌋	(0) ▶ (08) ▶ (4) ▶ (3)

Customer ID Code

	Default		
▪ PARTITION 1 I.D. CODE	FFFF		(1) ▶ (0) ▶ (1) ▶ (0)
▪ PARTITION 2 I.D. CODE	FFFF		(1) ▶ (0) ▶ (2) ▶ (0)
▪ PARTITION 3 I.D. CODE	FFFF		(1) ▶ (0) ▶ (3) ▶ (0)
▪ PARTITION 4 I.D. CODE	FFFF		(1) ▶ (0) ▶ (4) ▶ (0)
▪ PARTITION 5 I.D. CODE	FFFF		(1) ▶ (0) ▶ (5) ▶ (0)
▪ PARTITION 6 I.D. CODE	FFFF		(1) ▶ (0) ▶ (6) ▶ (0)
▪ PARTITION 7 I.D. CODE	FFFF		(1) ▶ (0) ▶ (7) ▶ (0)
▪ PARTITION 8 I.D. CODE	FFFF		(1) ▶ (0) ▶ (8) ▶ (0)

Par Toggles

	Default Partition								Partition							
(1) ▶ (0) ▶ (1)→(8) ▶ (1)	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
▪ [F] ENABLED	Y	Y	Y	Y	Y	Y	Y	Y								
▪ [E] ENABLED	Y	Y	Y	Y	Y	Y	Y	Y								
▪ [P] ENABLED	Y	Y	Y	Y	Y	Y	Y	Y								
▪ DISPLAY CLOCK	Y	Y	Y	Y	Y	Y	Y	Y								
▪ DISP EXIT TIME	Y	Y	Y	Y	Y	Y	Y	Y								
▪ BYPAS REQ CODE	Y	Y	Y	Y	Y	Y	Y	Y								
▪ AUTOARM ENAB	Y	Y	Y	Y	Y	Y	Y	Y								
▪ ABORT REQ CODE	N	N	N	N	N	N	N	N								
▪ BELL SQUAWK ON	N	N	N	N	N	N	N	N								
▪ KYPD LOCKOUT?	N	N	N	N	N	N	N	N								
▪ UTIL REQ CODE	N	N	N	N	N	N	N	N								
▪ SEN RES REQ CD	N	N	N	N	N	N	N	N								
▪ USER FN ANY CD	Y	Y	Y	Y	Y	Y	Y	Y								

Partition Times

(000-255 secs.)	Default	Par1	Par 2	Par 3	Par 4	Par 5	Par 6	Par 7	Par 8
■ ENTRY DELAY (1) ► (0) ► (1)→(8) ► (2) ► (0)	030								
■ EXIT DELAY (1) ► (0) ► (1)→(8) ► (2) ► (1)	045								
■ AUX ENTRY DELAY (1) ► (0) ► (1)→(8) ► (2) ► (2)	045								
■ AUX EXIT DELAY (1) ► (0) ► (1)→(8) ► (2) ► (3)	045								

Partition Labels

■ PARTITION 1 NAME LABEL	(1) ► (0) ► (1) ► (4)
■ PARTITION 2 NAME LABEL	(1) ► (0) ► (2) ► (4)
■ PARTITION 3 NAME LABEL	(1) ► (0) ► (3) ► (4)
■ PARTITION 4 NAME LABEL	(1) ► (0) ► (4) ► (4)
■ PARTITION 5 NAME LABEL	(1) ► (0) ► (5) ► (4)
■ PARTITION 6 NAME LABEL	(1) ► (0) ► (6) ► (4)
■ PARTITION 7 NAME LABEL	(1) ► (0) ► (7) ► (4)
■ PARTITION 8 NAME LABEL	(1) ► (0) ► (8) ► (4)

SYSTEM OVERVIEW

Keypad Number	Partition 1 2 3 4 5 6 7 8	Physical Location of Module
01		
02		
03		
04		
05		
06		
15		
16		

Keypad Number	Partition 1 2 3 4 5 6 7 8	Physical Location of Module
09		
10		
11		
12		
13		
14		
07		
08		

ation e	Expander Number	Zones Assigned	Type 8 16	Physical Location of Module
	08			
	09			
	10			
	11			
	12			
	13			
	14			

Expander Number	Zones Assigned	Type 8 16	Physic of
01			
02			
03			
04			
05			
06			
07			

PC4400 Physical Location of module

PC4204	Physical Location of module	Output	Partition 1 2 3 4 5 6 7 8
01		#1	
		#2	
		#3	
		#4	
02		#1	
		#2	
		#3	
		#4	
03		#1	
		#2	
		#3	
		#4	
04		#1	
		#2	
		#3	
		#4	

PC4204	Physical Location of module	Output	Partition 1 2 3 4 5 6 7 8
05		#1	
		#2	
		#3	
		#4	
06		#1	
		#2	
		#3	
		#4	
07		#1	
		#2	
		#3	
		#4	
08		#1	
		#2	
		#3	
		#4	

List of Output Options:

[00] Burglary/Fire Output
[01] Inverted Burglary/Fire Output
[02] Burglary Output
[03] Inverted Burglary Output
[04] Fire Output
[05] Inverted Fire Output
[06] Utility Output
[07] Sensor Reset (Sw Aux)
[08] Partition Status
[09] Latched Strobe
[10] Trouble Output
[11] Courtesy Pulse
[12] Chime Follower
[13] TLM
[14] TLM and Alarm
[15] Failure to Comm
[16] Active Communicator
[17] Ground Start
[18] Kissoff Output
[19] COMBUS Power
[20] Ready Status
[21] Zone Alarm
[22] Zone Follow

PC4204	Physical Location of module	Output	Partition 1 2 3 4 5 6 7 8
09		#1	
		#2	
		#3	
		#4	
10		#1	
		#2	
		#3	
		#4	
11		#1	
		#2	
		#3	
		#4	
12		#1	
		#2	
		#3	
		#4	

PC4204	Physical Location of module	Output	Partition 1 2 3 4 5 6 7 8
13		#1	
		#2	
		#3	
		#4	
14		#1	
		#2	
		#3	
		#4	
15		#1	
		#2	
		#3	
		#4	
16		#1	
		#2	
		#3	
		#4	

List of Output Options:

[00] Burglary/Fire Output
[01] Inverted Burglary/Fire Output
[02] Burglary Output
[03] Inverted Burglary Output
[04] Fire Output
[05] Inverted Fire Output
[06] Utility Output
[07] Sensor Reset (Sw Aux)
[08] Partition Status
[09] Latched Strobe
[10] Trouble Output
[11] Courtesy Pulse
[12] Chime Follower
[13] TLM
[14] TLM and Alarm
[15] Failure to Comm
[16] Active Communicator
[17] Ground Start
[18] Kissoff Output
[19] COMBUS Power
[20] Ready Status
[21] Zone Alarm
[22] Zone Follow

Custom Program Array Outputs

	1 2 3 4 5 6 7 8		1 2 3 4 5 6 7 8
#01		#09	
#02		#10	
#03		#11	
#04		#12	
#05		#13	
#06		#14	
#07		#15	
#08		#16	

List of Output Options:

[00] Burglary/Fire Output
[01] Inverted Burglary/Fire Output
[02] Burglary Output
[03] Inverted Burglary Output
[04] Fire Output
[05] Inverted Fire Output
[06] Utility Output
[07] Sensor Reset (Sw Aux)
[08] Partition Status
[09] Latched Strobe
[10] Trouble Output
[11] Courtesy Pulse
[12] Chime Follower
[13] TLM
[14] TLM and Alarm
[15] Failure to Comm
[16] Active Communicator
[17] Ground Start
[18] Kissoff Output
[19] COMBUS Power
[20] Ready Status
[21] Zone Alarm
[22] Zone Follow

PC4216

Module#	Physical Location of Module	Output	Module#	Physical Location of Module	Output	Module#	Physical Location of Module	Output
01			04			07		
02			05			08		
03			06			09		

List of Output Options:

01 4216 Custom
02 Alarms 1-16
03 Alarms 17-32
04 Alarms 33-48
05 Alarms 49-64
06 Alarms 65-80
07 Alarms 81-96
08 Alarms 97-112
09 Alarms 113-128
10 Follow 1-16
11 Follow 17-32
12 Follow 33-48
13 Follow 49-64
14 Follow 65-80
15 Follow 81-96
16 Follow 97-112
17 Follow 113-128