





# Keypad Programming

## [000] Keypad Assignment (Section 2.6 “Keypad Assignment”)

**NOTE: This must be done at each keypad requiring programming.**

[0] Partition and Slot [Valid entries are 0 (Global),1 and 2 for the Partition and 1-8 for the Slot]

[1] Function Key 1 Assignment (Valid entries are 00-21)

[2] Function Key 2 Assignment (Valid entries are 00-21)

[3] Function Key 3 Assignment (Valid entries are 00-21)

[4] Function Key 4 Assignment (Valid entries are 00-21)

[5] Function Key 5 Assignment (Valid entries are 00-21)

**01** Select Partition 1 from Global

**02** Select Partition 2 from Global

**03** Stay Arm

**04** Away Arm

**05** [\*][9] No-Entry Arm

**06** [\*][4] Chime On / Off

**07** [\*][6][—][4] System Test

**08** [\*][1] Bypass Mode

**09** [\*][2] Trouble Display

**10** [\*][3] Alarm Memory

**11** [\*][5] User Programming

**12** [\*][6] User Functions

**13** Command Output 1 [\*][7][1]

**14** Command Output 2 [\*][7][2]  
(Sensor Reset)

**15** General Voice Prompt Help

**16** [\*][0] Quick Exit

**17** [\*][1] Reactivate Stay/Away's

**18** Identified Voice prompt Help

**19** Command Output 3 [\*][7][3]

**20** For future use

**21** Command Output 4 [\*][7][4]

|                   | Partition and<br>Slot (Address) | Function<br>Key 1 | Function<br>Key 2 | Function<br>Key 3 | Function<br>Key 4 | Function<br>Key 5 |
|-------------------|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| PC55XXZ Defaults  | 11                              | 03                | 04                | 06                | 14                | 16                |
| LCD5500Z Defaults | 18                              | 03                | 04                | 06                | 14                | 16                |
| Keypad 1          | _____                           | _____             | _____             | _____             | _____             | _____             |
| Keypad 2          | _____                           | _____             | _____             | _____             | _____             | _____             |
| Keypad 3          | _____                           | _____             | _____             | _____             | _____             | _____             |
| Keypad 4          | _____                           | _____             | _____             | _____             | _____             | _____             |
| Keypad 5          | _____                           | _____             | _____             | _____             | _____             | _____             |
| Keypad 6          | _____                           | _____             | _____             | _____             | _____             | _____             |
| Keypad 7          | _____                           | _____             | _____             | _____             | _____             | _____             |
| Keypad 8          | _____                           | _____             | _____             | _____             | _____             | _____             |

# Basic System Programming

## Zone Definitions

|   |                                      |  |
|---|--------------------------------------|--|
| <b>00</b> Null Zone (Not Used)              | <b>09</b> 24 Hour Supervisory        | <b>18</b> 24 Hour Sprinkler                |
| <b>01</b> Delay 1                           | <b>10</b> 24 Hour Supervisory Buzzer | <b>19</b> 24 Hour Water                    |
| <b>02</b> Delay 2                           | <b>11</b> 24 Hour Burglary           | <b>20</b> 24 Hour Freeze                   |
| <b>03</b> Instant                           | <b>12</b> 24 Hour Holdup             | <b>21</b> 24 Hour Latching Tamper          |
| <b>04</b> Interior                          | <b>13</b> 24 Hour Gas                | <b>22</b> Momentary Keyswitch Arm          |
| <b>05</b> Interior, Stay/Away               | <b>14</b> 24 Hour Heat               | <b>23</b> Maintained Keyswitch Arm         |
| <b>06</b> Delay, Stay/Away                  | <b>15</b> 24 Hour Medical            | <b>24</b> LINKS Answer                     |
| <b>07</b> Delayed 24 Hour Fire (Hardwired)  | <b>16</b> 24 Hour Panic              | <b>87</b> Delay 24 Hour Fire (Wireless)    |
| <b>08</b> Standard 24 Hour Fire (Hardwired) | <b>17</b> 24 Hour Emergency          | <b>88</b> Standard 24 Hour Fire (Wireless) |

### [001] Zone 1-8 Definitions (Section 5.1 "Zone Definitions")

| Default |              | Default |              |
|---------|--------------|---------|--------------|
| 01      | _____ Zone 1 | 04      | _____ Zone 5 |
| 03      | _____ Zone 2 | 04      | _____ Zone 6 |
| 03      | _____ Zone 3 | 04      | _____ Zone 7 |
| 03      | _____ Zone 4 | 04      | _____ Zone 8 |

### [002] Zone 9-16 Definitions (Section 5.1 "Zone Definitions")

| Default |               | Default |               |
|---------|---------------|---------|---------------|
| 00      | _____ Zone 9  | 00      | _____ Zone 13 |
| 00      | _____ Zone 10 | 00      | _____ Zone 14 |
| 00      | _____ Zone 11 | 00      | _____ Zone 15 |
| 00      | _____ Zone 12 | 00      | _____ Zone 16 |

### [003] Zone 17-24 Definitions (Section 5.1 "Zone Definitions")

| Default |               | Default |               |
|---------|---------------|---------|---------------|
| 00      | _____ Zone 17 | 00      | _____ Zone 21 |
| 00      | _____ Zone 18 | 00      | _____ Zone 22 |
| 00      | _____ Zone 19 | 00      | _____ Zone 23 |
| 00      | _____ Zone 20 | 00      | _____ Zone 24 |

### [004] Zone 25-32 Definitions (Section 5.1 "Zone Definitions")

| Default |               | Default |               |
|---------|---------------|---------|---------------|
| 00      | _____ Zone 25 | 00      | _____ Zone 29 |
| 00      | _____ Zone 26 | 00      | _____ Zone 30 |
| 00      | _____ Zone 27 | 00      | _____ Zone 31 |
| 00      | _____ Zone 28 | 00      | _____ Zone 32 |

### [005] System Times

| Default |   |
|---------|---|
| 030     | _____ Entry Delay 1 (001-255 seconds) (5.15 "Entry/Exit Delay Options") |
| 045     | _____ Entry Delay 2 (001-255 seconds) (5.15 "Entry/Exit Delay Options") |
| 120     | _____ Exit Delay (001-255 seconds) (5.15 "Entry/Exit Delay Options")    |
| 004     | _____ Bell Cut-off (001-255 minutes) (5.12 "Siren")                     |

**[006] Installer's Code** (Section 4.1 "How to Enter Installer Programming")

Default  
5010                       

**[007] Master Code** (Section 3.1 "Access Codes")

Default  
1234                       

**[008] Maintenance Code** (Section 3.1 "Access Codes")

Default  
AAAA                       

**Programmable Output Options**

- |  |  |
|--|--|
| <b>00</b> Not used   | <b>13</b> Kissoff Output                   |
| <b>01</b> Burglary and Fire Bell Output                      | <b>14</b> Ground Start Pulse               |
| <b>02</b> For future use                                     | <b>15</b> Remote Operation (DLS-1 support) |
| <b>03</b> Sensor Reset [★][7][2]                             | <b>16</b> LINKS 1000 Support (PGM 1 only)  |
| <b>04</b> 2-Wire Smoke Support (PGM2 Only)                   | <b>17</b> Stay Arm                         |
| <b>05</b> System (Partition) Armed Status                    | <b>18</b> Away Arm                         |
| <b>06</b> Ready To Arm                                       | <b>19</b> [★][7][1] Command Output         |
| <b>07</b> Keypad Buzzer Follow Mode                          | <b>20</b> [★][7][2] Command Output         |
| <b>08</b> Courtesy Pulse                                     | <b>21</b> [★][7][3] Command Output         |
| <b>09</b> System Trouble Output (with Trouble options)       | <b>22</b> [★][7][4] Command Output         |
| <b>10</b> Latched System Event [Strobe (with Event options)] | <b>23</b> Silent 24-Hr (PGM2 Only)         |
| <b>11</b> System Tamper (all sources: zones, kpd, modules)   | <b>24</b> Audible 24-Hr (PGM2 Only)        |
| <b>12</b> TLM and Alarm                                      |  |

**NOTE: PGM output options [03], [04] and [20] cannot be used together on the same system.**

**[009] PC5010 PGM Output Programming (PGM 1 & 2)** (Section 5.10 "PGM Outputs")

Default  
19         PGM 1  
10         PGM 2

**[010] PC5208 PGM Output Programming (PGM 3-10)** (Section 5.10 "PGM Outputs")

|                      |                       |
|----------------------|-----------------------|
| Default              | Default               |
| 01 <u>    </u> PGM 3 | 01 <u>    </u> PGM 7  |
| 01 <u>    </u> PGM 4 | 01 <u>    </u> PGM 8  |
| 01 <u>    </u> PGM 5 | 01 <u>    </u> PGM 9  |
| 01 <u>    </u> PGM 6 | 01 <u>    </u> PGM 10 |

**[011] PC5204 PGM Output Programming (PGM 11-14)** (Section 5.10 "PGM Outputs")

Default  
01         PGM 11  
01         PGM 12  
01         PGM 13  
01         PGM 14

**[012] Keypad Lockout Options** (Section 5.22 "Keypad Lockout")

|   |  |
|---|--|
| Default                                 |  |
| 000 <u>    </u> <u>    </u> <u>    </u> | Number of Invalid Codes Before Lockout (enter 000-255) |
| 000 <u>    </u> <u>    </u> <u>    </u> | Lockout Duration (000-255 minutes)                     |

### [013] First System Option Code

| Default | Option                   | ON | OFF  | Section |
|---------|--------------------------|----|--|---------|
| OFF     | <input type="checkbox"/> | 1  | Normally Closed Loops<br>End-of-Line Resistors♦                                    | 2.9     |
| OFF     | <input type="checkbox"/> | 2  | Double End-of-Line Resistors<br>Single End-of-Line Resistors                       | 2.9     |
| ON      | <input type="checkbox"/> | 3* | Panel Shows All Troubles While Armed<br>Panel Shows Fire Troubles Only While Armed | 3.4     |
| OFF     | <input type="checkbox"/> | 4  | Tampers/Faults Do Not Show as Open<br>Tampers/Faults Show as Open                  | 5.25    |
| OFF     | <input type="checkbox"/> | 5  | Zone 1 is Fast Loop Response<br>Zone 1 is Standard Loop Response                   | 5.24    |
| ON      | <input type="checkbox"/> | 6  | Audible Exit Fault Enabled<br>Audible Exit Fault Disabled                          | 5.15    |
| ON      | <input type="checkbox"/> | 7  | Event Buffer Follows Swinger Shutdown<br>Event Buffer Logs Events Past shutdown    | 5.16    |
| OFF     | <input type="checkbox"/> | 8  | Temporal Three Fire Signal enabled<br>Standard Pulsed Fire Signal                  | 5.12    |

\* Option 3 must be OFF if LCD5500 keypads older than v2.0 are used.

### [014] Second System Option Code

| Default | Option                   | ON | OFF  | Section |
|---------|--------------------------|----|--|---------|
| OFF     | <input type="checkbox"/> | 1  | Arm / Disarm Bell Squawk enabled▲<br>Arm / Disarm Bell Squawk disabled | 5.20    |
| OFF     | <input type="checkbox"/> | 2  | Bell Squawk During Auto Arm<br>No Bell Squawk During Auto Arm          | 5.15    |
| OFF     | <input type="checkbox"/> | 3  | Bell Squawk On Exit Delay<br>No Bell Squawk On Exit Delay              | 5.15    |
| OFF     | <input type="checkbox"/> | 4  | Bell Squawk On Entry Delay<br>No Bell Squawk On Entry Delay            | 5.15    |
| OFF     | <input type="checkbox"/> | 5  | Bell Squawk On Trouble<br>No Bell Squawk On Trouble                    | 3.4     |
| ON      | <input type="checkbox"/> | 6  | Audible Exit Beeps<br>Silent Exit Delay                                | 5.15    |
| OFF     | <input type="checkbox"/> | 7  | Exit Delay Termination Enabled<br>Exit Delay Termination Disabled      | 5.15    |
| OFF     | <input type="checkbox"/> | 8  | Fire Bell is continuous<br>Fire Bell follows Bell Cut-off              | 5.12    |

### [015] Third System Option Code

| Default | Option                   | ON | OFF  | Section |
|---------|--------------------------|----|--|---------|
| ON      | <input type="checkbox"/> | 1  | Fire Keys Enabled<br>Fire Keys Disabled                | 5.14    |
| OFF     | <input type="checkbox"/> | 2  | Panic Keys Audible (Bell / Beeps)<br>Panic Keys Silent | 5.14    |
| OFF     | <input type="checkbox"/> | 3  | Quick Exit Enabled<br>Quick Exit Disabled              | 3.4     |
| ON      | <input type="checkbox"/> | 4  | Quick Arming Enabled<br>Quick Arming Disabled          | 3.4     |
|         |                          |    | ([*][0]/Function keys)<br>/ Function keys Require Code |         |
| OFF     | <input type="checkbox"/> | 5  | Code Required For Bypassing♦<br>No Code Required       | 3.4     |
| OFF     | <input type="checkbox"/> | 6  | Master Code Not Changeable<br>Master Code Changeable   | 3.1     |
| ON      | <input type="checkbox"/> | 7  | TLM Enabled<br>TLM Disabled                            | 5.11    |
| OFF     | <input type="checkbox"/> | 8  | TLM Audible When Armed<br>TLM Trouble Only When Armed  | 5.11    |

### [016] Fourth System Option Code

| Default | Option                   | ON | OFF  | Section |
|---------|--------------------------|----|--|---------|
| ON      | <input type="checkbox"/> | 1  | AC Trouble Displayed♦<br>AC Trouble Not Displayed                              | 3.4     |
| OFF     | <input type="checkbox"/> | 2  | Trouble Light Flashes if AC Fails<br>Trouble Light Does Not Follow AC Status   | 3.4     |
| OFF     | <input type="checkbox"/> | 3  | Blank Keypad When Not Used<br>Keypad Active Always                             | 5.23    |
| OFF     | <input type="checkbox"/> | 4  | Code Required to Remove Kypd Blanking<br>No Code Required                      | 5.23    |
| ON      | <input type="checkbox"/> | 5  | Keypad Backlighting is enabled<br>Keypad Backlighting is disabled              | 5.19    |
| OFF     | <input type="checkbox"/> | 6  | Power Save Mode enabled<br>Power Save Mode disabled                            | 5.23    |
| OFF     | <input type="checkbox"/> | 7  | Bypass Status Displayed While Armed<br>Bypass Status Not Displayed While Armed | 5.20    |
| OFF     | <input type="checkbox"/> | 8  | Keypad Tampers enabled<br>Keypad Tampers disabled                              | 5.25    |

### [020] Keypad Zone Assignments (Section 5.1.1 "Assigning Keypad Zones")

(Valid entries are zones 01-32) **NOTE: Only one keypad may be assigned to each zone.**

| Default | Zone Address             | Keypad | Default | Zone Address             | Keypad |
|---------|--------------------------|--------|---------|--------------------------|--------|
| 00      | <input type="checkbox"/> | 1      | 00      | <input type="checkbox"/> | 5      |
| 00      | <input type="checkbox"/> | 2      | 00      | <input type="checkbox"/> | 6      |
| 00      | <input type="checkbox"/> | 3      | 00      | <input type="checkbox"/> | 7      |
| 00      | <input type="checkbox"/> | 4      | 00      | <input type="checkbox"/> | 8      |

♦ Required for UL listed systems.

▲ Required for UL Grade A systems.

# Advanced System Programming

## Zone Attribute Defaults (Y = Option ON; N = Option OFF):

| Attribute:                            | 1                 | 2                | 3           | 4            | 5           | 6           | 7               | 8                  |
|---------------------------------------|-------------------|------------------|-------------|--------------|-------------|-------------|-----------------|--------------------|
| ON<br>OFF                             | Audible<br>Silent | Steady<br>Pulsed | Chime<br>No | Bypass<br>No | Force<br>No | Swing<br>No | Tx. Delay<br>No | Wireless Zn.<br>No |
| <b>Zone Definition:</b>               |                   |                  |             |              |             |             |                 |                    |
| <b>00</b> Null Zone                   | N                 | N                | N           | N            | N           | N           | N               | N                  |
| <b>01</b> Delay 1                     | Y                 | Y                | Y           | Y            | N           | Y           | N               | N                  |
| <b>02</b> Delay 2                     | Y                 | Y                | Y           | Y            | N           | Y           | N               | N                  |
| <b>03</b> Instant                     | Y                 | Y                | Y           | Y            | N           | Y           | N               | N                  |
| <b>04</b> Interior                    | Y                 | Y                | N           | Y            | N           | Y           | N               | N                  |
| <b>05</b> Int. Stay/Away              | Y                 | Y                | N           | Y            | Y           | Y           | N               | N                  |
| <b>06</b> Dly. Stay/Away              | Y                 | Y                | N           | Y            | Y           | Y           | N               | N                  |
| <b>07</b> Dly. 24hr Fire (Hardw.)     | Y                 | N                | N           | N            | N           | N           | N               | N                  |
| <b>08</b> Stand. 24hr Fire (Hardw.)   | Y                 | N                | N           | N            | N           | N           | N               | N                  |
| <b>09</b> 24hr Superv.                | N                 | Y                | N           | N            | Y           | N           | N               | N                  |
| <b>10</b> 24hr Superv. Buzzer         | N                 | Y                | N           | Y            | N           | N           | N               | N                  |
| <b>11</b> 24hr Burglary               | Y                 | Y                | N           | Y            | N           | N           | N               | N                  |
| <b>12</b> 24hr Holdup                 | N                 | Y                | N           | N            | N           | N           | N               | N                  |
| <b>13</b> 24hr Gas♦                   | Y                 | N                | N           | N            | N           | N           | N               | N                  |
| <b>14</b> 24hr Heat                   | Y                 | N                | N           | N            | N           | N           | N               | N                  |
| <b>15</b> 24hr Medical                | Y                 | Y                | N           | N            | N           | N           | N               | N                  |
| <b>16</b> 24hr Panic                  | Y                 | Y                | N           | N            | N           | N           | N               | N                  |
| <b>17</b> 24hr Emergency              | Y                 | Y                | N           | N            | N           | N           | N               | N                  |
| <b>18</b> 24hr Sprinkler              | Y                 | Y                | N           | N            | N           | N           | N               | N                  |
| <b>19</b> 24hr Water                  | Y                 | Y                | N           | N            | N           | N           | N               | N                  |
| <b>20</b> 24hr Freeze                 | Y                 | Y                | N           | N            | N           | N           | N               | N                  |
| <b>21</b> 24hr Latching Tamper        | Y                 | Y                | N           | N            | N           | N           | N               | N                  |
| <b>22</b> Momentary Keyswitch         | N                 | N                | N           | N            | Y           | N           | N               | N                  |
| <b>23</b> Maintained Keyswitch        | N                 | N                | N           | N            | Y           | N           | N               | N                  |
| <b>24</b> LINKS Answer                | N                 | N                | N           | N            | Y           | N           | N               | N                  |
| <b>87</b> Dly. 24hr Fire (Wireless)   | Y                 | N                | N           | N            | N           | N           | N               | Y                  |
| <b>88</b> Stand. 24hr Fire (Wireless) | Y                 | N                | N           | N            | N           | N           | N               | Y                  |

♦ Has not been investigated by UL for use with a carbon monoxide detector.

## Zone 1-32 Attributes (Section 5.2 "Zone Attributes", see also section 5.1 "Zone Definitions")

| Section | Zone | ZoneDefn. | 1                        | 2                        | 3                        | 4                        | 5                        | 6                        | 7                        | 8                        |
|---------|------|-----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| [101]   | 1    | ( )*      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [102]   | 2    | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [103]   | 3    | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [104]   | 4    | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [105]   | 5    | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [106]   | 6    | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [107]   | 7    | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [108]   | 8    | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [109]   | 9    | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [110]   | 10   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [111]   | 11   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [112]   | 12   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [113]   | 13   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [114]   | 14   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [115]   | 15   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [116]   | 16   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [117]   | 17   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [118]   | 18   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [119]   | 19   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [120]   | 20   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [121]   | 21   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [122]   | 22   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [123]   | 23   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [124]   | 24   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [125]   | 25   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [126]   | 26   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

\*Record here based on programming in sections [001] - [004].

| Section | Zone | ZoneDefn. | 1                        | 2                        | 3                        | 4                        | 5                        | 6                        | 7                        | 8                        |
|---------|------|-----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| [127]   | 27   | ( )*      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [128]   | 28   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [129]   | 29   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [130]   | 30   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [131]   | 31   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [132]   | 32   | ( )       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

\*Record here based on programming in sections [001] - [004].

### PGM Attributes (Section 5.10 "PGM Outputs")

Program only the following attributes for the PGM Options listed. All others will be ignored. PGM Options are programmed in sections [009], [010], [011].

#### PGM Attribute Defaults (Y = Attribute ON; N = Attribute OFF):

| Attribute:               | 1               | 2               | 3           | 4            | 5            |
|--------------------------|-----------------|-----------------|-------------|--------------|--------------|
| ON                       | Part. 1 enabled | Part. 2 enabled | True Output | 5 sec. pulse | Code Req.    |
| OFF                      | Disabled        | Disabled        | Inverted    | On / Off     | No Code Req. |
| <b>PGM Option</b>        |                 |                 |             |              |              |
| [01] Burg. / Fire Bell** |                 |                 | Y           |              |              |
| [03] Sensor Reset        | Y               | N               | Y           |              | N            |
| [04] 2-wire Smoke        |                 |                 | Y           |              | N            |
| [05] Armed Status        | Y               | N               | Y           |              |              |
| [06] Ready To Arm        | Y               | N               | Y           |              |              |
| [07] Kypd Bzz Follow     | Y               | N               | Y           |              |              |
| [08] Courtesy Pulse      | Y               | N               | Y           |              |              |
| [11] System Tamper       |                 |                 | Y           |              |              |
| [12] TLM and Alarm       |                 |                 | Y           |              |              |
| [13] Kiss-off            |                 |                 | Y           |              |              |
| [14] Gnd Strt Pulse      |                 |                 | Y           |              |              |
| [15] Remote Op.          |                 |                 | Y           |              |              |
| [16] LINKS 1000 Sup.     |                 |                 | Y           |              |              |
| [17] Away Armed Status   | Y               | N               | Y           |              |              |
| [18] Stay Armed Status   | Y               | N               | Y           |              |              |
| [19] Comm. Output #1     | Y               | N               | Y           | Y            | Y            |
| [20] Comm. Output #2     | Y               | N               | Y           | Y            | N            |
| [21] Comm. Output #3     | Y               | N               | Y           | Y            | N            |
| [22] Comm. Output #4     | Y               | N               | Y           | Y            | N            |
| [23] Silent 24 Hr        |                 |                 | Y*          |              |              |
| [24] Audible 24 Hr       |                 |                 | Y*          |              |              |

\* PGM attribute (3) must be ON for PGM output types [04], [23] and [24] for proper operation.  
 \*\* PGM option [01] Burg./Fire Bell cannot be partitioned.

| Attribute:              | 1           | 2          | 3           | 4          | 5           | 6              | 7            | 8             |
|-------------------------|-------------|------------|-------------|------------|-------------|----------------|--------------|---------------|
| ON                      | Serv. req.  | AC Fail    | TLM Fault   | FTC        | Zone Fault  | Zone Tmp.      | Zn. Low Bat. | Loss of Clock |
| OFF                     | Disabled    | Disabled   | Disabled    | Disabled   | Disabled    | Disabled       | Disabled     | Disabled      |
| <b>PGM Option</b>       |             |            |             |            |             |                |              |               |
| [09] System Trouble     | Y           | Y          | Y           | Y          | Y           | Y              | Y            | Y             |
| ON                      | Burg. Evnt. | Fire Evnt. | Panic Evnt. | Med. Evnt. | Supv. Evnt. | Priority Evnt. | Holdup Evnt. | —             |
| OFF                     | Disabled    | Disabled   | Disabled    | Disabled   | Disabled    | Disabled       | Disabled     | —             |
| [10] Latched Sys. Event | Y           | Y          | Y           | Y          | Y           | Y              | Y            |               |

| Section       | PGM # | PGM Option | 1                        | 2                        | 3                        | 4                        | 5                        | 6                        | 7                        | 8                        |
|---------------|-------|------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>PC5010</b> |       |            |                          |                          |                          |                          |                          |                          |                          |                          |
| [141]         | 1     | ( )*       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [142]         | 2     | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>PC5208</b> |       |            |                          |                          |                          |                          |                          |                          |                          |                          |
| [143]         | 3     | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [144]         | 4     | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [145]         | 5     | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [146]         | 6     | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [147]         | 7     | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [148]         | 8     | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [149]         | 9     | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [150]         | 10    | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

\*Record here based on programming in sections [009] - [011].



| Section       | PGM # | PGM Option | 1                        | 2                        | 3                        | 4                        | 5                        | 6                        | 7                        | 8                        |
|---------------|-------|------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>PC5204</b> |       |            |                          |                          |                          |                          |                          |                          |                          |                          |
| [151]         | 11    | ( )*       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [152]         | 12    | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [153]         | 13    | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| [154]         | 14    | ( )        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

\*Record here based on programming in sections [009] - [011].

**[160] Maximum Dialing Attempts to Each Phone Number** (Section 5.3 “Communicator Dialing”)

Default: 008  Valid entries are 001-255 attempts (Do not enter 000)♦

♦ For UL listed systems, must be programmed for between 5 and 10 attempts.

**[161] Post Dial Wait for Handshake (All Formats)** (Section 5.3 “Communicator Dialing”)

Default: 040  Valid entries are 001-255 seconds

## Zone Programming

**[201] First Partition Option Code** (Section 5.9 “Partition/Zone Assignment”)

|         |                          |        |                        |                         |
|---------|--------------------------|--------|------------------------|-------------------------|
| Default |                          | Option | ON                     | OFF                     |
| OFF     | <input type="checkbox"/> | 1      | Partition 2 is Enabled | Partition 2 is Disabled |
| OFF     | <input type="checkbox"/> | 2-8    | For Future Use         |                         |

**[202] Partition 1 Zone Assignments (1-8)** (Section 5.9 “Partition/Zone Assignment”)

|         |                          |        |                          |                              |
|---------|--------------------------|--------|--------------------------|------------------------------|
| Default |                          | Option | ON                       | OFF                          |
| ON      | <input type="checkbox"/> | 1      | Zone 1 is on Partition 1 | Zone 1 is not on Partition 1 |
| ON      | <input type="checkbox"/> | 2      | Zone 2 is on Partition 1 | Zone 2 is not on Partition 1 |
| ON      | <input type="checkbox"/> | 3      | Zone 3 is on Partition 1 | Zone 3 is not on Partition 1 |
| ON      | <input type="checkbox"/> | 4      | Zone 4 is on Partition 1 | Zone 4 is not on Partition 1 |
| ON      | <input type="checkbox"/> | 5      | Zone 5 is on Partition 1 | Zone 5 is not on Partition 1 |
| ON      | <input type="checkbox"/> | 6      | Zone 6 is on Partition 1 | Zone 6 is not on Partition 1 |
| ON      | <input type="checkbox"/> | 7      | Zone 7 is on Partition 1 | Zone 7 is not on Partition 1 |
| ON      | <input type="checkbox"/> | 8      | Zone 8 is on Partition 1 | Zone 8 is not on Partition 1 |

**[203] Partition 1 Zone Assignments (9-16)** (Section 5.9 “Partition/Zone Assignment”)

|         |                          |        |                           |                               |
|---------|--------------------------|--------|---------------------------|-------------------------------|
| Default |                          | Option | ON                        | OFF                           |
| OFF     | <input type="checkbox"/> | 1      | Zone 9 is on Partition 1  | Zone 9 is not on Partition 1  |
| OFF     | <input type="checkbox"/> | 2      | Zone 10 is on Partition 1 | Zone 10 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 3      | Zone 11 is on Partition 1 | Zone 11 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 4      | Zone 12 is on Partition 1 | Zone 12 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 5      | Zone 13 is on Partition 1 | Zone 13 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 6      | Zone 14 is on Partition 1 | Zone 14 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 7      | Zone 15 is on Partition 1 | Zone 15 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 8      | Zone 16 is on Partition 1 | Zone 16 is not on Partition 1 |

**[204] Partition 1 Zone Assignments (17-24)** (Section 5.9 “Partition/Zone Assignment”)

|         |                          |        |                           |                               |
|---------|--------------------------|--------|---------------------------|-------------------------------|
| Default |                          | Option | ON                        | OFF                           |
| OFF     | <input type="checkbox"/> | 1      | Zone 17 is on Partition 1 | Zone 17 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 2      | Zone 18 is on Partition 1 | Zone 18 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 3      | Zone 19 is on Partition 1 | Zone 19 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 4      | Zone 20 is on Partition 1 | Zone 20 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 5      | Zone 21 is on Partition 1 | Zone 21 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 6      | Zone 22 is on Partition 1 | Zone 22 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 7      | Zone 23 is on Partition 1 | Zone 23 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 8      | Zone 24 is on Partition 1 | Zone 24 is not on Partition 1 |

**[205] Partition 1 Zone Assignments (25-32)** (Section 5.9 "Partition/Zone Assignment")

| Default |                          | Option | ON                        | OFF                           |
|---------|--------------------------|--------|---------------------------|-------------------------------|
| OFF     | <input type="checkbox"/> | 1      | Zone 25 is on Partition 1 | Zone 25 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 2      | Zone 26 is on Partition 1 | Zone 26 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 3      | Zone 27 is on Partition 1 | Zone 27 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 4      | Zone 28 is on Partition 1 | Zone 28 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 5      | Zone 29 is on Partition 1 | Zone 29 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 6      | Zone 30 is on Partition 1 | Zone 30 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 7      | Zone 31 is on Partition 1 | Zone 31 is not on Partition 1 |
| OFF     | <input type="checkbox"/> | 8      | Zone 32 is on Partition 1 | Zone 32 is not on Partition 1 |

**[206] Partition 2 Zone Assignments (1-8) (Section 5.9 "Partition/Zone Assignment")**

| Default |                          | Option | ON                       | OFF                          |
|---------|--------------------------|--------|--------------------------|------------------------------|
| OFF     | <input type="checkbox"/> | 1      | Zone 1 is on Partition 2 | Zone 1 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 2      | Zone 2 is on Partition 2 | Zone 2 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 3      | Zone 3 is on Partition 2 | Zone 3 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 4      | Zone 4 is on Partition 2 | Zone 4 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 5      | Zone 5 is on Partition 2 | Zone 5 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 6      | Zone 6 is on Partition 2 | Zone 6 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 7      | Zone 7 is on Partition 2 | Zone 7 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 8      | Zone 8 is on Partition 2 | Zone 8 is not on Partition 2 |

**[207] Partition 2 Zone Assignments (9-16) (Section 5.9 "Partition/Zone Assignment")**

| Default |                          | Option | ON                        | OFF                           |
|---------|--------------------------|--------|---------------------------|-------------------------------|
| OFF     | <input type="checkbox"/> | 1      | Zone 9 is on Partition 2  | Zone 9 is not on Partition 2  |
| OFF     | <input type="checkbox"/> | 2      | Zone 10 is on Partition 2 | Zone 10 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 3      | Zone 11 is on Partition 2 | Zone 11 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 4      | Zone 12 is on Partition 2 | Zone 12 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 5      | Zone 13 is on Partition 2 | Zone 13 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 6      | Zone 14 is on Partition 2 | Zone 14 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 7      | Zone 15 is on Partition 2 | Zone 15 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 8      | Zone 16 is on Partition 2 | Zone 16 is not on Partition 2 |

**[208] Partition 2 Zone Assignments (17-24) (Section 5.9 "Partition/Zone Assignment")**

| Default |                          | Option | ON                        | OFF                           |
|---------|--------------------------|--------|---------------------------|-------------------------------|
| OFF     | <input type="checkbox"/> | 1      | Zone 17 is on Partition 2 | Zone 17 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 2      | Zone 18 is on Partition 2 | Zone 18 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 3      | Zone 19 is on Partition 2 | Zone 19 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 4      | Zone 20 is on Partition 2 | Zone 20 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 5      | Zone 21 is on Partition 2 | Zone 21 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 6      | Zone 22 is on Partition 2 | Zone 22 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 7      | Zone 23 is on Partition 2 | Zone 23 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 8      | Zone 24 is on Partition 2 | Zone 24 is not on Partition 2 |

**[209] Partition 2 Zone Assignments (25-32) (Section 5.9 "Partition/Zone Assignment")**

| Default |                          | Option | ON                        | OFF                           |
|---------|--------------------------|--------|---------------------------|-------------------------------|
| OFF     | <input type="checkbox"/> | 1      | Zone 25 is on Partition 2 | Zone 25 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 2      | Zone 26 is on Partition 2 | Zone 26 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 3      | Zone 27 is on Partition 2 | Zone 27 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 4      | Zone 28 is on Partition 2 | Zone 28 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 5      | Zone 29 is on Partition 2 | Zone 29 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 6      | Zone 30 is on Partition 2 | Zone 30 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 7      | Zone 31 is on Partition 2 | Zone 31 is not on Partition 2 |
| OFF     | <input type="checkbox"/> | 8      | Zone 32 is on Partition 2 | Zone 32 is not on Partition 2 |



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**[326] Alarm Restoral Reporting Codes, Zones 17-24** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Zone 17 |  | Zone 21 |
|  | Zone 18 |  | Zone 22 |
|  | Zone 19 |  | Zone 23 |
|  | Zone 20 |  | Zone 24 |

**[327] Alarm Restoral Reporting Codes, Zones 25-32** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Zone 25 |  | Zone 29 |
|  | Zone 26 |  | Zone 30 |
|  | Zone 27 |  | Zone 31 |
|  | Zone 28 |  | Zone 32 |

**[328] Miscellaneous Alarm Reporting Codes** (Section 5.7 “Communicator – Reporting Codes”)

|  |                     |  |                                    |
|--|---------------------|--|------------------------------------|
|  | Duress Alarm        |  | Zone Expander Supervisory Alarm    |
|  | Opening After Alarm |  | Zone Expander Supervisory Restoral |
|  | Recent Closing      |  | Cross Zone Police Code Alarm       |

**[329] Priority Alarm and Restoral** (Section 5.7 “Communicator – Reporting Codes”)

|  |                        |  |                           |
|--|------------------------|--|---------------------------|
|  | Keypad Fire Alarm      |  | Keypad Fire Restoral      |
|  | Keypad Auxiliary Alarm |  | Keypad Auxiliary Restoral |
|  | Keypad Panic Alarm     |  | Keypad Panic Restoral     |
|  | PGM2 Alarm             |  | PGM2 Restoral             |

**[330] Tamper Reporting Codes, Zones 1-8** (Section 5.7 “Communicator – Reporting Codes”)

|  |        |  |        |
|--|--------|--|--------|
|  | Zone 1 |  | Zone 5 |
|  | Zone 2 |  | Zone 6 |
|  | Zone 3 |  | Zone 7 |
|  | Zone 4 |  | Zone 8 |

**[331] Tamper Reporting Codes, Zones 9-16** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Zone 9  |  | Zone 13 |
|  | Zone 10 |  | Zone 14 |
|  | Zone 11 |  | Zone 15 |
|  | Zone 12 |  | Zone 16 |

**[332] Tamper Reporting Codes, Zones 17-24** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Zone 17 |  | Zone 21 |
|  | Zone 18 |  | Zone 22 |
|  | Zone 19 |  | Zone 23 |
|  | Zone 20 |  | Zone 24 |

**[333] Tamper Reporting Codes, Zones 25-32** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Zone 25 |  | Zone 29 |
|  | Zone 26 |  | Zone 30 |
|  | Zone 27 |  | Zone 31 |
|  | Zone 28 |  | Zone 32 |

**[334] Tamper Restoral Reporting Codes, Zones 1-8** (Section 5.7 “Communicator – Reporting Codes”)

|  |        |  |        |
|--|--------|--|--------|
|  | Zone 1 |  | Zone 5 |
|  | Zone 2 |  | Zone 6 |
|  | Zone 3 |  | Zone 7 |
|  | Zone 4 |  | Zone 8 |

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**[335] Tamper Restoral Reporting Codes, Zones 9-16** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Zone 9  |  | Zone 13 |
|  | Zone 10 |  | Zone 14 |
|  | Zone 11 |  | Zone 15 |
|  | Zone 12 |  | Zone 16 |

**[336] Tamper Restoral Reporting Codes, Zones 17-24** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Zone 17 |  | Zone 21 |
|  | Zone 18 |  | Zone 22 |
|  | Zone 19 |  | Zone 23 |
|  | Zone 20 |  | Zone 24 |

**[337] Tamper Restoral Reporting Codes, Zones 25-32** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Zone 25 |  | Zone 29 |
|  | Zone 26 |  | Zone 30 |
|  | Zone 27 |  | Zone 31 |
|  | Zone 28 |  | Zone 32 |

**[338] Miscellaneous Tamper Reporting Codes** (Section 5.7 “Communicator – Reporting Codes”)

|  |                             |
|--|-----------------------------|
|  | General System Tamper       |
|  | General System Tamper Rest. |
|  | Keypad Lockout              |

**[339] Closing (Arming) Reporting Codes, Access Codes 1-8** (Section 5.7 “Communicator – Reporting Codes”)

|  |        |  |        |
|--|--------|--|--------|
|  | Code 1 |  | Code 5 |
|  | Code 2 |  | Code 6 |
|  | Code 3 |  | Code 7 |
|  | Code 4 |  | Code 8 |

**[340] Closing (Arming) Reporting Codes, Access Codes 9-16** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Code 9  |  | Code 13 |
|  | Code 10 |  | Code 14 |
|  | Code 11 |  | Code 15 |
|  | Code 12 |  | Code 16 |

**[341] Closing (Arming) Reporting Codes, Access Codes 17-24** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Code 17 |  | Code 21 |
|  | Code 18 |  | Code 22 |
|  | Code 19 |  | Code 23 |
|  | Code 20 |  | Code 24 |

**[342] Closing (Arming) Reporting Codes, Access Codes 25-32** (Section 5.7 “Communicator – Reporting Codes”)

|  |         |  |         |
|--|---------|--|---------|
|  | Code 25 |  | Code 29 |
|  | Code 26 |  | Code 30 |
|  | Code 27 |  | Code 31 |
|  | Code 28 |  | Code 32 |

**[343] Miscellaneous Closing (Arming) Reporting Codes** (Section 5.7 “Communicator – Reporting Codes”)

|  |                           |  |                           |
|--|---------------------------|--|---------------------------|
|  | Closing by Duress Code 33 |  | Closing by System Code 42 |
|  | Closing by Duress Code 34 |  | Partial Closing           |
|  | Closing by System Code 40 |  | Special Closing           |
|  | Closing by System Code 41 |  |                           |

**[344] Opening (Disarming) Reporting Codes, Access Codes 1-8**

(Section 5.7 "Communicator – Reporting Codes")

|                                 |                                 |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> Code 1 | <input type="checkbox"/> Code 5 |
| <input type="checkbox"/> Code 2 | <input type="checkbox"/> Code 6 |
| <input type="checkbox"/> Code 3 | <input type="checkbox"/> Code 7 |
| <input type="checkbox"/> Code 4 | <input type="checkbox"/> Code 8 |

**[345] Opening (Disarming) Reporting Codes, Access Codes 9-16**

(Section 5.7 "Communicator – Reporting Codes")

|                                  |                                  |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> Code 9  | <input type="checkbox"/> Code 13 |
| <input type="checkbox"/> Code 10 | <input type="checkbox"/> Code 14 |
| <input type="checkbox"/> Code 11 | <input type="checkbox"/> Code 15 |
| <input type="checkbox"/> Code 12 | <input type="checkbox"/> Code 16 |

**[346] Opening (Disarming) Reporting Codes, Access Codes 17-24**

(Section 5.7 "Communicator – Reporting Codes")

|                                  |                                  |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> Code 17 | <input type="checkbox"/> Code 21 |
| <input type="checkbox"/> Code 18 | <input type="checkbox"/> Code 22 |
| <input type="checkbox"/> Code 19 | <input type="checkbox"/> Code 23 |
| <input type="checkbox"/> Code 20 | <input type="checkbox"/> Code 24 |

**[347] Opening (Disarming) Reporting Codes, Access Codes 25-32**

(Section 5.7 "Communicator – Reporting Codes")

|                                  |                                  |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> Code 25 | <input type="checkbox"/> Code 29 |
| <input type="checkbox"/> Code 26 | <input type="checkbox"/> Code 30 |
| <input type="checkbox"/> Code 27 | <input type="checkbox"/> Code 31 |
| <input type="checkbox"/> Code 28 | <input type="checkbox"/> Code 32 |

**[348] Miscellaneous Opening (Disarming) Reporting Codes** (Section 5.7 "Communicator – Reporting Codes")

|  |  |
|--|--|
| <input type="checkbox"/> Opening by Duress Code 33 | <input type="checkbox"/> Opening by System Code 42 |
| <input type="checkbox"/> Opening by Duress Code 34 | <input type="checkbox"/> Auto Arm Cancellation     |
| <input type="checkbox"/> Opening by System Code 40 | <input type="checkbox"/> Special Opening           |
| <input type="checkbox"/> Opening by System Code 41 |  |

**[349] Maintenance Alarm Reporting Codes** (Section 5.7 "Communicator – Reporting Codes")

|   |   |
|---|---|
| <input type="checkbox"/> Battery Trouble Alarm      | <input type="checkbox"/> Auxiliary Power Supply Trouble Alarm |
| <input type="checkbox"/> AC Failure Trouble Alarm   | <input type="checkbox"/> TLM Trouble Code (via LINKS)         |
| <input type="checkbox"/> Bell Circuit Trouble Alarm | <input type="checkbox"/> General System Trouble               |
| <input type="checkbox"/> Fire Trouble Alarm         | <input type="checkbox"/> General System Supervisory           |

**[350] Maintenance Restoral Reporting Codes** (Section 5.7 "Communicator – Reporting Codes")

|  |  |
|--|--|
| <input type="checkbox"/> Battery Trouble Restoral      | <input type="checkbox"/> Auxiliary Power Supply Trouble Restoral |
| <input type="checkbox"/> AC Failure Trouble Restoral   | <input type="checkbox"/> TLM Restoral                            |
| <input type="checkbox"/> Bell Circuit Trouble Restoral | <input type="checkbox"/> General System Trouble Restore          |
| <input type="checkbox"/> Fire Trouble Restoral         | <input type="checkbox"/> General System Supervisory Restore      |

**[351] Miscellaneous Maintenance Reporting Codes** (Section 5.7 "Communicator – Reporting Codes")

|   |
|---|
| <input type="checkbox"/> Phone Number 1 Failure to Communicate      |
| <input type="checkbox"/> Phone Number 2 Failure to Communicate      |
| <input type="checkbox"/> Event Buffer is 75% Full Since Last Upload |
| <input type="checkbox"/> DLS Lead IN                                |
| <input type="checkbox"/> DLS Lead OUT                               |
| <input type="checkbox"/> General Zone Trouble Alarm                 |
| <input type="checkbox"/> General Zone Trouble Restore               |
| <input type="checkbox"/> Delinquency Code                           |

**[352] Test Transmission Reporting Codes** (Section 5.7 “Communicator – Reporting Codes”)

Periodic Test Transmission          LINKS 1000 Test Transmission Code  
    System Test

**[353] Wireless Maintenance Reporting Codes** (Section 5.7 “Communicator – Reporting Codes”)

General Zone Low Battery Alarm          General Zone Low Battery Restore

**[360] Communicator Format Options** (Section 5.6 “Communicator – Reporting Formats”)

**NOTE: The 3rd phone number follows the format programmed for the 1st phone number.**

Default

02          1st Phone Number

02          2nd Phone Number

**01** 20 BPS, 1400 HZ handshake

**04** SIA FSK

**02** 20 BPS, 2300 HZ handshake

**05** Pager

**03** DTMF CONTACT I.D.

**[361] Partition 1 Alarms and Restorals** (Section 5.3 “Communicator – Dialing”)

| Default | Option                   | ON  | OFF      |
|---------|--------------------------|---|----------|
| ON      | <input type="checkbox"/> | <b>1</b> 1st Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>2</b> 2nd Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>3</b> 1st Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>4</b> 2nd Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>5-8</b> For Future Use                 |          |

**[362] Partition 2 Alarms and Restorals** (Section 5.3 “Communicator – Dialing”)

| Default | Option                   | ON  | OFF      |
|---------|--------------------------|---|----------|
| ON      | <input type="checkbox"/> | <b>1</b> 1st Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>2</b> 2nd Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>3</b> 1st Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>4</b> 2nd Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>5-8</b> For Future Use                 |          |

**[363] Partition 1 Tamper and Restorals** (Section 5.3 “Communicator – Dialing”)

| Default | Option                   | ON  | OFF      |
|---------|--------------------------|---|----------|
| ON      | <input type="checkbox"/> | <b>1</b> 1st Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>2</b> 2nd Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>3</b> 1st Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>4</b> 2nd Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>5-8</b> For Future Use                 |          |

**[364] Partition 2 Tamper and Restorals** (Section 5.3 “Communicator – Dialing”)

| Default | Option                   | ON  | OFF      |
|---------|--------------------------|---|----------|
| ON      | <input type="checkbox"/> | <b>1</b> 1st Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>2</b> 2nd Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>3</b> 1st Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>4</b> 2nd Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>5-8</b> For Future Use                 |          |

**[365] Partition 1 Openings and Closings** (Section 5.3 “Communicator – Dialing”)

| Default | Option                   | ON  | OFF      |
|---------|--------------------------|---|----------|
| ON      | <input type="checkbox"/> | <b>1</b> 1st Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>2</b> 2nd Telephone Number             | Disabled |
| OFF     | <input type="checkbox"/> | <b>3</b> 1st Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>4</b> 2nd Telephone Number (via LINKS) | Disabled |
| OFF     | <input type="checkbox"/> | <b>5-8</b> For Future Use                 |          |

**[366] Partition 2 Openings and Closings** (Section 5.3 “Communicator – Dialing”)

| Default | Option                   | ON         | OFF                                       |
|---------|--------------------------|------------|---|
| ON      | <input type="checkbox"/> | <b>1</b>   | 1st Telephone Number Disabled             |
| OFF     | <input type="checkbox"/> | <b>2</b>   | 2nd Telephone Number Disabled             |
| OFF     | <input type="checkbox"/> | <b>3</b>   | 1st Telephone Number (via LINKS) Disabled |
| OFF     | <input type="checkbox"/> | <b>4</b>   | 2nd Telephone Number (via LINKS) Disabled |
| OFF     | <input type="checkbox"/> | <b>5-8</b> | For Future Use                            |

**[367] System Maintenance Alarms and Restores** (Section 5.3 “Communicator – Dialing”)

| Default | Option                   | ON         | OFF                                       |
|---------|--------------------------|------------|---|
| ON      | <input type="checkbox"/> | <b>1</b>   | 1st Telephone Number Disabled             |
| OFF     | <input type="checkbox"/> | <b>2</b>   | 2nd Telephone Number Disabled             |
| OFF     | <input type="checkbox"/> | <b>3</b>   | 1st Telephone Number (via LINKS) Disabled |
| OFF     | <input type="checkbox"/> | <b>4</b>   | 2nd Telephone Number (via LINKS) Disabled |
| OFF     | <input type="checkbox"/> | <b>5-8</b> | For Future Use                            |

**[368] System Test Transmissions** (Section 5.3 “Communicator – Dialing”)

| Default | Option                   | ON         | OFF                                       |
|---------|--------------------------|------------|---|
| ON      | <input type="checkbox"/> | <b>1</b>   | 1st Telephone Number Disabled             |
| OFF     | <input type="checkbox"/> | <b>2</b>   | 2nd Telephone Number Disabled             |
| OFF     | <input type="checkbox"/> | <b>3</b>   | 1st Telephone Number (via LINKS) Disabled |
| OFF     | <input type="checkbox"/> | <b>4</b>   | 2nd Telephone Number (via LINKS) Disabled |
| OFF     | <input type="checkbox"/> | <b>5-8</b> | For Future Use                            |

♦ Required for Grades B and C central stations.

**[370] Communication Variables**

| Default | Option                   | ON                                    | Section                                    |
|---------|--------------------------|---------------------------------------|--|
| 003     | <input type="checkbox"/> | Swinger Shutdown (Alarms and Rest) ♦  | (001-014 Transmissions, 000=disabled) 5.17 |
| 003     | <input type="checkbox"/> | Swinger Shutdown (Tampers and Rest) ♦ | (001-014 Transmissions, 000=disabled) 5.17 |
| 003     | <input type="checkbox"/> | Swinger Shutdown (Maint and Rest)     | (001-014 Transmissions, 000=disabled) 5.17 |
| 000     | <input type="checkbox"/> | Transmission Delay Time ♦             | (001-255 seconds) 5.18                     |
| 030     | <input type="checkbox"/> | AC Failure Communication Delay        | (001-255 minutes) 5.7.7                    |
| 003     | <input type="checkbox"/> | TLM Trouble Delay                     | (No. of checks required, 003-255) 5.11     |
| 030     | <input type="checkbox"/> | Test Transmission Cycle (land line)▲  | (001-255 days) 5.13                        |
| 030     | <input type="checkbox"/> | Test Transmission Cycle (LINKS)▲      | (001-255 days) 5.13                        |
| 007     | <input type="checkbox"/> | Zone Low Battery Transmission Delay   | (000-255 days) 5.27                        |
| 030     | <input type="checkbox"/> | Delinquency Transmisison Cycle        | (000-255 days / hours*) 5.7.11             |

\*Depends on programming in section [380], option [8].

♦ Shall not be used on UL listed systems.

▲ Program as 001 on UL listed systems.

**NOTE: To disable the AC failure communications delay, program [000].**

**[371] Test Transmission Time of Day** (Section 5.13 “Test Transmission”)

Default: 9999  (Valid entries are 0000-2359, 9999 to disable)

**[380] First Communicator Option Code**

| Default | Option                   | ON       | OFF                                     | Section                                  |
|---------|--------------------------|----------|---|--|
| ON      | <input type="checkbox"/> | <b>1</b> | Communications Enabled♦                 | Communications Disabled 5.3              |
| OFF     | <input type="checkbox"/> | <b>2</b> | Restorals on Bell Time-out              | Restorals Follow Zones 5.7.2             |
| OFF     | <input type="checkbox"/> | <b>3</b> | Pulse Dialing                           | DTMF Dialing 5.3                         |
| ON      | <input type="checkbox"/> | <b>4</b> | Switch to Pulse Dialing on 5th Attempt  | DTMF Dial For All Attempts 5.3           |
| OFF     | <input type="checkbox"/> | <b>5</b> | 3rd Phone Number enabled                | 3rd Phone Number disabled 5.4            |
| OFF     | <input type="checkbox"/> | <b>6</b> | Alternate Dial (1st and 3rd)            | Call 1st Number, Backup to 3rd 5.4       |
| OFF     | <input type="checkbox"/> | <b>7</b> | Call LINKS as well as Land Line         | LINKS is Backup of Land Line(s) 5.26     |
| OFF     | <input type="checkbox"/> | <b>8</b> | Delinquency Follows Zone Activity (hrs) | Delinquency Follows Arming (days) 5.7.11 |

♦ Required for commercial burglary applications.



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**[381] Second Communicator Option Code**

| Default | Option                   | ON  | OFF                                    | Section                                      |
|---------|--------------------------|-----|--|--|
| OFF     | <input type="checkbox"/> | 1   | Open After Alarm Kypd Ringback enabled | Open After Alarm Kypd Ringback disabled 5.20 |
| OFF     | <input type="checkbox"/> | 2   | Open After Alarm Bell Ringback enabled | Open After Alarm Bell Ringback disabled 5.20 |
| OFF     | <input type="checkbox"/> | 3   | SIA Sends Programmed Rep. Codes        | SIA Sends Automatic Rep. Codes 5.6           |
| OFF     | <input type="checkbox"/> | 4   | Closing Confirmation Enabled           | Closing Confirmation Disabled 5.20           |
| ON      | <input type="checkbox"/> | 5   | Phone 1 & 3 Listen-in enabled          | Disabled 5.30                                |
| OFF     | <input type="checkbox"/> | 6   | Phone 2 Listen-in enabled              | Disabled 5.30                                |
| OFF     | <input type="checkbox"/> | 7-8 | For Future Use                         |  |

**[390] LINKS Preamble (First Telephone Number)** (Section 5.26 "LINKS 1000 Cellular Communicator")Default: FFFF     (Program all unused digits with Hex F)**[391] LINKS Preamble (Second Telephone Number)** (Section 5.26 "LINKS 1000 Cellular Communicator")Default: FFFF     (Program all unused digits with Hex F)**[392] LINKS Preamble (Third Telephone Number)** (Section 5.26 "LINKS 1000 Cellular Communicator")Default: FFFF     (Program all unused digits with Hex F)**[393] LINKS Special Function Preamble** (All Telephone Numbers) (Section 5.26 "LINKS 1000 Cellular Communicator")Default: FFFFFFFF         (Program all unused digits with Hex F)

- Enter [\*] [2] [\*] (HEX B) to dial [\*]
- Enter [\*] [3] [\*] (HEX C) to dial [#]

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## Downloading Programming<sup>♦</sup>

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**[401] First Downloading Option Code** (Section 5.8 "Downloading")

| Default | Option                   | ON  | OFF                                     |  |
|---------|--------------------------|-----|---|--|
| OFF     | <input type="checkbox"/> | 1   | Ans. Mach. Override/Double Call enabled | Ans. Mach. Override/Double Call disabled |
| ON      | <input type="checkbox"/> | 2   | User Can Enable DLS Window              | User Cannot Enable DLS Window            |
| OFF     | <input type="checkbox"/> | 3   | Call-Back Enabled                       | Call-Back Disabled                       |
| OFF     | <input type="checkbox"/> | 4   | User-initiated call-up enabled          | User-initiated call-up disabled          |
| OFF     | <input type="checkbox"/> | 5-8 | For Future Use                          |  |

**[402] Downloading Computer's Telephone Number (32 Digits)** (Section 5.8 "Downloading")                                **[403] Downloading Access Code** (Section 5.8 "Downloading")Default: 5010    **[404] Panel Identification Code** (Section 5.8 "Downloading")Default: 5010    **[405] Answering Machine Double-call Timer** (Section 5.8 "Downloading")Default: 060    (Valid entries are 001-255 seconds)**[406] Number of Rings to Answer On**

(Section 5.8 "Downloading")

Default: 000    (Valid entries are 000-012 rings)**[490] LINKS Preamble (Downloading Telephone Number)** (Section 5.8 "Downloading")Default: FFFF     (Program all unused digits with Hex F)**[499] [Installer's Code] [499] Initiate PC-Link (Local Downloading)**

(Section 5.8 "Downloading")

- ♦ NOTE: The downloading feature has not been investigated by UL.

# Module Programming

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## **[801] PC5400 Printer Module Programming**

Please refer to your PC5400 Installation Manual for installation and programming instructions.

## **[802] PC59XX Audio Interface Programming**

Please refer to your PC59XX Installation Manual for installation and programming instructions.

## **[803] LINKS2X50 Long Range Radio Interface Programming**

Please refer to your LINKS2X50 Installation Manual for installation and programming instructions.

## **[804] PC5132 Wireless Expansion Programming**

Please refer to your PC5132 Installation Manual for programming locations and instructions.

## **[805] AML Support Programming**

Please refer to your PC5100 Installation Instructions for programming locations and instructions.

# Special Installer Functions

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## **[901] Installer Walk Test Mode Enable / Disable** (Section 5.33 "Walk Test [Installer]")

## **[902] Module Supervision Reset** (Section 2.7 "Enable Supervision")

## **[903] Module Supervision Field** (Section 2.7 "Enable Supervision")

## **[904] Wireless Module Placement Test** (Section 5.27 "Wireless Expansion")

- Select the module / transmitter (Zones 01-32).
- Press [#] to Cancel.

| Placement | Led Keypad        | LCD Keypad | Bell / Buzzer     |
|-----------|-------------------|------------|-------------------|
| Good      | Light 1 ON Steady | GOOD       | 1 Beep / Squawk   |
| Fair      | Light 2 ON Steady | FAIR       | 2 Beeps / Squawks |
| Bad       | Light 3 ON Steady | BAD        | 3 Beeps / Squawks |

## **[990] Installer Lockout Enable** (Section 5.32 "Installer Lockout")

## **[991] Installer Lockout Disable** (Section 5.32 "Installer Lockout")

## **[993] Restore LINKS2X50 Factory Default Programming** (Section 5.31 "Default [Factory]")

## **[995] Restore Escort5580 Factory Default Programming** (Section 5.31 "Default [Factory]")

## **[996] Restore PC5132 Factory Default Programming** (Section 5.31 "Default [Factory]")

## **[997] Restore PC5400 Factory Default Programming** (Section 5.31 "Default [Factory]")

## **[998] Restore PC59XX Factory Default Programming** (Section 5.31 "Default [Factory]")

## **[999] Restore Factory Default Programming** (Section 5.31 "Default [Factory]")

# Programming LCD5500(Z) Keypads

## How to Program the LCD Keypad

If you have an LCD5500(Z) Keypad additional programming is required for proper operation. The following is a description of the programming options available:

### How to Enter LCD Programming

Step 1 - Press [★], [8], [Installer Code] (Enter Installer Programming). Press the [★] key

Step 2 - Enter the 2 digit Section number to program.

Follow the programming procedure as outlined in Section 4 – “How To Program” – in the PC5010 Installation Manual.

### Programmable Labels

**!** *If you install any LCD5500 v1.x keypads, after you download the labels (for zones, partitions, etc.) to the keypads, you may have to power the keypads down and then up, and re-select the keypad language, for the keypads to display properly.*

LCD display labels can be changed from their default settings to make operation of the system easier for the end user. The following is the procedure for changing labels:

Step 1 - Enter LCD Programming.

Step 2 - Enter the Number corresponding to the label you wish to program.

Step 3 - Use the arrow keys (<>) to move the underline bar underneath the letter to be changed.

Step 4 - Press the number key [1] to [9] corresponding to the letter you require. The first time you press the number the first letter will appear. Pressing the number key again will display the next letter. Refer to the following chart:

|                  |                  |                  |                  |                 |
|------------------|------------------|------------------|------------------|-----------------|
| [1] - A, B, C, 1 | [3] - G, H, I, 3 | [5] - M, N, O, 5 | [7] - S, T, U, 7 | [9] - Y, Z, 9,0 |
| [2] - D, E, F, 2 | [4] - J, K, L, 4 | [6] - P, Q, R, 6 | [8] - V, W, X, 8 | [0] - Space     |

Step 5 - When the required letter or number is displayed use the arrow keys (<>) to scroll to the next letter.

Step 6 - When you are finished programming the label, press the [★] key and scroll to “Save” then press the [★] key again.

Step 7 - Continue from Step 2 until all labels are programmed.

## LCD5500 Programming Sections

### [01] to [32] Zone Labels (14 Characters)

Default

Default

### [33] Fire Alarm Label (14 Characters)

Default

### [34] and [35] Partition Labels (14 Characters)

Default

Default

### [40] Partition 1 and [41] Partition 2 “Command Output 1” Label (14 Characters)

Default

### [44] Partition 1 and [45] Partition 2 “Command Output 2” Label (14 Characters)

Default

### [46] Partition 1 and [47] Partition 2 “Command Output 3” Label (14 Characters)

Default

### [48] Partition 1 and [49] Partition 2 “Command Output 4” Label (14 Characters)

Default

### [51] Fail to Arm Event Message

Default

### [52] Alarm When Armed Event Message

Default

---

**[60] First User Display Mask**

| Default |                          | Option   | ON                           | OFF                           |
|---------|--------------------------|----------|------------------------------|-------------------------------|
| ON      | <input type="checkbox"/> | <b>1</b> | Hold Panic Keys prompt ON    | Hold Panic Keys prompt OFF    |
| ON      | <input type="checkbox"/> | <b>2</b> | Zone Bypassing prompt ON     | Zone Bypass prompt OFF        |
| ON      | <input type="checkbox"/> | <b>3</b> | Troubles prompt ON           | Troubles prompt OFF           |
| ON      | <input type="checkbox"/> | <b>4</b> | Alarm Memory prompt ON       | Alarm Memory prompt OFF       |
| ON      | <input type="checkbox"/> | <b>5</b> | Door Chime Control prompt ON | Door Chime Control prompt OFF |
| ON      | <input type="checkbox"/> | <b>6</b> | Access Codes prompt ON       | Access Codes prompt OFF       |
| ON      | <input type="checkbox"/> | <b>7</b> | User Functions prompt ON     | User Functions prompt OFF     |
| ON      | <input type="checkbox"/> | <b>8</b> | Output Control prompt ON     | Output Control prompt OFF     |

**[61] Second User Display Mask**

| Default |                          | Option   | ON                                | OFF                                |
|---------|--------------------------|----------|-----------------------------------|------------------------------------|
| OFF     | <input type="checkbox"/> | <b>1</b> | Installer Programming prompt ON   | Prompt OFF                         |
| ON      | <input type="checkbox"/> | <b>2</b> | Stay Arm prompt ON                | Prompt OFF                         |
| ON      | <input type="checkbox"/> | <b>3</b> | Quick Arm prompt ON               | Prompt OFF                         |
| ON      | <input type="checkbox"/> | <b>4</b> | Interior Arm prompt ON            | Prompt OFF                         |
| OFF     | <input type="checkbox"/> | <b>5</b> | Quick Exit prompt ON              | Prompt OFF                         |
| ON      | <input type="checkbox"/> | <b>6</b> | View Event Buffer prompt ON       | Prompt OFF                         |
| OFF     | <input type="checkbox"/> | <b>7</b> | For Future Use                    |                                    |
| OFF     | <input type="checkbox"/> | <b>8</b> | Enable Background Music prompt ON | Enable Background Music prompt OFF |

**[62] Third User Display Mask**

| Default |                          | Option   | ON                         | OFF        |
|---------|--------------------------|----------|----------------------------|------------|
| ON      | <input type="checkbox"/> | <b>1</b> | System Test prompt ON      | Prompt OFF |
| ON      | <input type="checkbox"/> | <b>2</b> | Time and Date prompt ON    | Prompt OFF |
| ON      | <input type="checkbox"/> | <b>3</b> | Auto-Arm Control prompt ON | Prompt OFF |
| ON      | <input type="checkbox"/> | <b>4</b> | Auto-Arm Time prompt ON    | Prompt OFF |
| ON      | <input type="checkbox"/> | <b>5</b> | Download Enable prompt ON  | Prompt OFF |
| ON      | <input type="checkbox"/> | <b>6</b> | Bright Control prompt ON   | Prompt OFF |
| ON      | <input type="checkbox"/> | <b>7</b> | Contrast Control prompt ON | Prompt OFF |
| ON      | <input type="checkbox"/> | <b>8</b> | Buzzer Control prompt ON   | Prompt OFF |

**[63] Downloaded LCD Message Duration**

Default: 003    (Valid entries are 000-255, 000=Unlimited Message Display. This number represents the number of times the Downloaded message is cleared by pressing any key while the message is up after timeout)

**[64] Key Options**

| Default |                          | Option     | ON                     | OFF      |
|---------|--------------------------|------------|------------------------|----------|
| ON      | <input type="checkbox"/> | <b>1</b>   | Fire Keys enabled      | Disabled |
| ON      | <input type="checkbox"/> | <b>2</b>   | Auxiliary Keys enabled | Disabled |
| ON      | <input type="checkbox"/> | <b>3</b>   | Panic Keys enabled     | Disabled |
| OFF     | <input type="checkbox"/> | <b>4-8</b> | For Future Use         |          |

**[65] Fourth User Display Mask**

| Default |                          | Option   | ON                                | OFF                                |
|---------|--------------------------|----------|-----------------------------------|------------------------------------|
| ON      | <input type="checkbox"/> | <b>1</b> | User Initiated Call-up Prompt ON  | User Initiated Call-up Prompt OFF  |
| OFF     | <input type="checkbox"/> | <b>2</b> | Last Code to Disarm/Arm prompt ON | Last Code to Disarm/Arm prompt OFF |
| OFF     | <input type="checkbox"/> | <b>3</b> | Walk Test Prompt ON               | Walk Test prompt OFF               |
| ON      | <input type="checkbox"/> | <b>4</b> | Command Output #1 prompt ON       | Command Output #1 prompt OFF       |
| ON      | <input type="checkbox"/> | <b>5</b> | Command Output #2 prompt ON       | Command Output #2 prompt OFF       |
| OFF     | <input type="checkbox"/> | <b>6</b> | Command Output #3 prompt ON       | Command Output #2 prompt OFF       |
| OFF     | <input type="checkbox"/> | <b>7</b> | Command Output #4 prompt ON       | Command Output #2 prompt OFF       |
| OFF     | <input type="checkbox"/> | <b>8</b> | For Future Use                    |                                    |

---

### [66] Keypad Options

| Default | Option                   | ON   | OFF                          |
|---------|--------------------------|--|------------------------------|
| ON      | <input type="checkbox"/> | <b>1</b> Display Access Code when Programming  | Display 'X' when Programming |
| ON      | <input type="checkbox"/> | <b>2</b> Local Clock Display Enabled           | Disabled                     |
| OFF     | <input type="checkbox"/> | <b>3</b> Local Clock Displays 24-hr Time       | Local Clock Displays AM/PM   |
| ON      | <input type="checkbox"/> | <b>4</b> Auto Alarm Scroll Enabled             | Disabled                     |
| ON      | <input type="checkbox"/> | <b>5</b> Local Display of Temperature Enabled* | Disabled                     |
| OFF     | <input type="checkbox"/> | <b>5-8</b> For Future Use                      |                              |

### [67] Fifth User Display Mask

| Default | Option                   | ON                                      | OFF                           |
|---------|--------------------------|---|-------------------------------|
| OFF     | <input type="checkbox"/> | <b>1</b> Thermostat CTRL Prompt ON*     | Thermostat CTRL Prompt ON     |
| OFF     | <input type="checkbox"/> | <b>2</b> Temperature Setting Prompt ON* | Temperature Setting Prompt ON |
| OFF     | <input type="checkbox"/> | <b>3</b> Occupancy Mode Prompt ON*      | Occupancy Mode Prompt ON      |
| OFF     | <input type="checkbox"/> | <b>4</b> Thermostat Mode Prompt ON*     | Thermostat Mode Prompt ON     |
| OFF     | <input type="checkbox"/> | <b>5</b> Fan Control Prompt ON*         | Fan Control Prompt ON         |
| OFF     | <input type="checkbox"/> | <b>6</b> For Keypad View Prompt ON*     | For Keypad View Prompt ON     |
| OFF     | <input type="checkbox"/> | <b>7-8</b> For Future Use               |                               |

### [68] Sixth User Display Mask

| Default | Option                   | ON   | OFF                                 |
|---------|--------------------------|--|-------------------------------------|
| OFF     | <input type="checkbox"/> | <b>1</b> Occupancy Mode Auxiliary Prompt ON* | Occupancy Mode Auxiliary Prompt OFF |
| OFF     | <input type="checkbox"/> | <b>2</b> Occupancy Mode Day Prompt ON*       | Occupancy Mode Day Prompt OFF       |
| OFF     | <input type="checkbox"/> | <b>3</b> Occupancy Mode Away Prompt ON*      | Occupancy Mode Away Prompt OFF      |
| OFF     | <input type="checkbox"/> | <b>4</b> Occupancy Mode Night Prompt ON*     | Occupancy Mode Night Prompt OFF     |
| OFF     | <input type="checkbox"/> | <b>5-8</b> For Future Use                    |                                     |

**\*NOTE: These options are only relevant if you are using an LCD5500Z keypad v2.1 or higher.**

### [97] View Software Version

#### [98] Initiate Global Label Broadcast

All LCD programming is done by keypad. If more than one LCD keypad is present it is not necessary to program each independently. Labels programmed in one keypad can be broadcast to all other LCD keypads. The following is the procedure for broadcasting labels:

Step 1 - Program one LCD keypad completely.

Step 2 - Make sure all LCD keypads are connected to the KEYBUS.

Step 3 - Enter LCD Programming at the keypad that was programmed.

Step 4 - Enter Section [98] at the keypad that was programmed.

The keypad will now broadcast all the information programmed to all the other LCD keypads on the system.

When the keypad is finished press the [#] key to exit.

#### [99] Factory Default LCD Keypad

The following is the procedure for factory defaulting an LCD keypad:

- Enter LCD Programming at the keypad to be defaulted. Enter Section [99]. Press the [#] when programming is complete

# ASCII Characters

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

# CHANGES FOR PC5010 V2.0

The PC5010 v2.0 software incorporates several new features and changes. The most important additions listed below:

## **False Alarm Reduction Features**

The following features have been added to reduce the number of false alarms caused by user error.

### **Rotating Keypress Buffer**

The panel will look for any 4 digits in a row which match a valid code when the user attempts to disarm the system. Keypad Lockout can still be enabled if required. Every fourth or sixth key will count as one bad attempt depending on the code length.

### **Cross Zone Police Code**

This reporting code provides an additional report the central station about events on the premises. The cross zone police code is transmitted when there are two different alarms during any armed-to-armed period. (See section 5.7 "Communicator Reporting Codes" in the Programming Manual.)

## **Other Programming Changes and Additions**

### **Activity/Closing Delinquency Reporting**

Delinquency reporting can be set up to follow zone activity or arming. (See section 5.7 "Communicator Reporting Codes" in the Programming Manual.)

### **New PGM Output Types**

[03] Sensor Reset. This output allows power reset of latching smoke detectors using the [\*][7][2] command.

[15]: Remote Operation. This output can be activated and deactivated remotely using the DLS-1 software.

[19] - [22]: Command Output options 1-4 allow users to activate/deactivate a PGM output by entering [\*][7][1-4]. These outputs can be used for operating devices such as garage door opener, special lighting or door strikes. They can also be used to command an Automation Item programmed in the ESCORT 5580.

[23]: The Silent 24 Hour (PGM2 only) output option allows a silent alarm to be triggered and a signal to be sent to central station. This input does not follow Swinger Shutdown.

[24]: The Audible 24 Hour (PGM2 only) Alarm output option allows an audible alarm to be triggered and a signal to be sent to central station.

See section 5.10 "PGM Output Options" in the Programming Manual.

NOTE: Output types [03], [04] and [20] cannot be used together on the same system.

### **Wireless Support**

A wireless attribute has been added to the zone attribute sections (programming sections [101]-[132]) so that double end of line resistors are not required for wireless supervision.

### **LINKS Test Transmission**

A separate LINKS Test Transmission is available. (See section 5.13 "Test Transmission" in the Programming Manual.)

## **New Keypad Features**

Keypads with zone inputs are now available. The new LDC5500Z keypads have the following additional features: Autoscroll of alarm memory; 24-hour time display; viewing of troubles while armed; and keypad backlighting boost. (See sections 3.4 "[\*] Commands" and 3.7 "Features available for the LCD5500Z" in the Programming Manual.)

## **New Downloading Software**

Downloading Software DLS-1 Version 6.4 must be used to upload and download with the new PC5010 v2.0 Software. Do not attempt to perform downloading/uploading functions with earlier software.



Please see back cover for  
new features in version 2.0

# Programming Worksheets

**DSC™**  
**Power 832™**

S E C U R I T Y   S Y S T E M

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PC5010  
Version 2.0



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# For the Record

Customer: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Installation Date: \_\_\_\_\_

Installer's Code: \_\_\_\_\_

| <b>Module Name</b> | <b>Description</b>                  | <b>Physical Location</b> |
|--------------------|-------------------------------------|--------------------------|
| PC5010             | Main Panel                          | _____                    |
| PC5108             | Zone Expander 1                     | _____                    |
| PC5108             | Zone Expander 2                     | _____                    |
| PC5108             | Zone Expander 3                     | _____                    |
| PC5108             | Zone Expander 4                     | _____                    |
| PC5108             | Zone Expander 5                     | _____                    |
| PC5108             | Zone Expander 6                     | _____                    |
| PC5100             | Addressable Device Interface Module | _____                    |
| PC5132             | Wireless Expander                   | _____                    |
| PC5204             | Power Supply / Output Expander      | _____                    |
| PC5208             | Output Expander                     | _____                    |
| PC5400             | Serial Printer Module               | _____                    |
| PC5700             | Fire Module                         | _____                    |
| Escort5580         | Voice Prompt Module                 | _____                    |
| PC5928             | Audio Interface Module              | _____                    |
| LINKS1000          | Cellular Communicator               | _____                    |
| LINKS2X50          | Long Range Radio Transmitter        | _____                    |

| <b>Keypads</b> | <b>Keypad Type</b> | <b>Physical Location</b> |
|----------------|--------------------|--------------------------|
| Keypad 1       | _____              | _____                    |
| Keypad 2       | _____              | _____                    |
| Keypad 3       | _____              | _____                    |
| Keypad 4       | _____              | _____                    |
| Keypad 5       | _____              | _____                    |
| Keypad 6       | _____              | _____                    |
| Keypad 7       | _____              | _____                    |
| Keypad 8       | _____              | _____                    |