WARNING: Please refer to the System Installation Manual for information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.
NOTE: These instructions shall be used in conjunction with the system Installation Manual of the Control Panel with which this equipment is intended to be used.
The PK5500 keypad can be used on security systems with up to 64 zones. These keypads are compatible with the latest version of the following DSC security systems:

- PC580
- PC585
- PC1555MX
- PC1565
- PC1616
- PC1832
- PC1864
- PC5005
- PC5008
- PC5010
- PC5015
- PC5016
- PC5020

**Specifications**

- Temperature range: -10°C to +55°C (14°F to 131°F)
- Humidity (MAX): 93% R.H.
- Plastic enclosure protection degree: IP30, IK04
- Voltage rating: 12VDC nominal
- Connects to control panel via 4-wire Keybus
- 1 keypad zone input/PGM output*
- PK5500 Current Draw: 50mA (standby)/125mA (maximum)
- Wall mount tamper
- 5 programmable function keys
- Ready (Green LED), Armed (Red LED), Trouble (Yellow LED), AC (Green LED)
- Low temperature sensor: Alarm 6°C (43°F)/Restore 9°C (48°F)

*NOTE: * Zone not to be programmed as Fire type or 24h type.

**Unpacking**

The Power keypad package includes the following parts:

- One Power keypad
- Keypad inner door labels
- Four mounting screws
- 1 tamper switch
- 2 end-of-line resistors
- Installation Instructions

**Mounting**

Mount the keypad where it is accessible to designated points of entry and exit. Once you have selected a dry and secure location, perform the following steps to mount the keypad.

**Disassemble Keypad**

1. Insert a flat head screwdriver into the provided slot (first of two).
2. Move screwdriver toward the back plastic and lift as in the following diagram. This will unhook one side of the front plastic.
3. Repeat step #1 and 2 on the second provided slot to disconnect the front plastic and allow access for wiring.

**Wiring**

1. Before wiring the unit, ensure that all power (AC transformer and battery) is disconnected from the control panel.
2. Connect the four Keybus wires from the control panel (red, black, yellow and green) to the keypad terminals. Refer to diagram.
3. If programmed as an input, you can connect a device - such as a door contact - to the 'P/Z' terminal of the keypad. This eliminates the need to run wires back to the control panel for the device. To connect the zone, run one wire from the device to the 'P/Z' terminal and the other wire from the device to the B (black) terminal. For powered devices, run the red wire to the R (positive) terminal and the black wire to the B (negative) terminal. When using end of line supervision, connect the zone according to one of the configurations outlined in your system’s Installation Manual.
4. If the ‘P/Z’ terminal is programmed as an output, the output follows the PGM programmed in Section [080]. A small relay, buzzer or other DC operated device may be connected between the positive supply voltage and the ‘P/Z’ terminal (maximum load is 50mA).

**Applying Power**

Once all wiring is complete, and the equipment is secured to the building structure with at least two screws apply power to the control panel:

1. Connect the battery leads to the battery.
2. Connect the AC transformer.

For more information on control panel power specifications, see the control panel Installation Manual.
Programming the Keypad
There are several programming options available for the keypad. These are described below. Programming the keypad is similar to programming the rest of the system. When you are in the keypad programming sections, the keypad will display which options are turned on along the top of the display. To turn an option on or off, press the number corresponding to the option on the number pad. The numbers of the options that are currently turned ON will be displayed. For example, if options 1 and 4 are on, the display will look like diagram shown on the different keypad displays.

For information on programming the rest of your security system, please refer to your system’s Installation Manual.

Broadcasting LCD Labels
All LCD programming is done per keypad. If more than one LCD keypad is present on the system, labels programmed at one keypad can be broadcast to all other LCD keypads. Perform the following procedure in order to broadcast labels:

Step 1 - Program one keypad completely.
Step 2 - Make sure all LCD keypads are connected to the Keybus.
Step 3 - Enter keypad programming by pressing [**][8][Installer Code][**], then enter section [998] at the keypad that was programmed.
Step 4 - When the keypad is finished press the [#] key to exit.

NOTE: LCD Label broadcast from this keypad is only compatible with other PK5500 keypads.

Language Programming
Hold (<>) keys for 2 seconds to enter language programming, scroll to the desired language and Press [**] to select.
NOTE: If section [077] option 4 is OFF, language programming can only be performed while in installers programming.

Enrolling the Keypad
The keypad will need to be assigned to a partition and slot if supervision or keypad supervision are being used. Keypad assignments and keypad option programming must be done at each keypad individually.

The 1st digit of keypad assignment is used to determine partition assignment (1 to 8). If partitioning is not used, enter [1]. For Global Keypads, enter [0].
The 2nd digit of keypad assignment is used to determine slot assignment for keypad supervision. Each keypad will be assigned a different slot number from 1 to 8. PK5500 LCD keypads come defaulted in slot 8. All LCD programming is done per keypad. If more than one LCD keypad is used one LCD keypad must remain in slot 8.

Enter the following at each keypad installed on the system:
1. Enter Installer Programming by pressing [**][8][Installer’s Code]
2. Press [000] for Keypad Programming
3. Press [0] for Partition and Slot Assignment
4. Enter the 1st digit (0 to 8 for partition assignment)
5. Enter the 2nd digit (1 to 8 for slot assignment supervision)
6. Press the [#] key twice to exit programming.
7. After assigning all keypads, perform a supervisory reset by entering [**][8][Installer’s Code][002] and wait for 60 seconds.
8. Press the [#] key to exit programming after 60 seconds.

Programming Labels
1. Enter keypad programming by pressing [**][8][Installer Code][**]. Enter the 3-digit section number for the label to be programmed.
2. Use the arrow keys (<>) to move the underline bar underneath the letter to be changed.
3. Press the number keys [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.
4. When the required letter or number is displayed use the arrow keys (<>) to scroll to the next letter.
5. When you are finished programming the Zone Label, press the [**] key, scroll to “Save,” then press [**].
6. Continue from Step 2 until all Labels are programmed.

ASCII Characters

Changing Brightness/Contrast
1. Press [**][6][Master code].
2. Use the [<][>] keys to scroll to either Brightness Control or Contrast Control.
3. Press [**] to select the setting you want to adjust.
4. a) ‘Brightness Control’ There are multiple backlighting levels. Use the [<][>] keys to scroll to the desired level.
   b) ‘Contrast Control’ There are 10 different display contrast levels. Use the [<][>] keys to scroll to the desired contrast level.
5. To exit, press [#].

Changing the Buzzer Level
1. Press [**][6][Master Code].
2. Use the [<][>] keys to scroll to Buzzer Control.
3. There are 21 different levels, use the [<][>] keys to scroll to the desired level.
4. To exit, press [#].

Emergency Keys
Press the ( ) key for 2 seconds to send a Fire transmission.
Press both ( ) keys simultaneously for 2 seconds to send a Panic transmission.

Broadcasting Door Chime
All door chime programming is done per keypad. If more than one keypad is present on the system, door chime programmed at one keypad can be broadcast to all other keypads. Perform the following procedure in order to broadcast door chime:

Step 1 - Program one keypad completely.
Step 2 - Make sure all keypads are connected to the Keybus.
Step 3 - Enter keypad programming by pressing [**][8][Installer Code][**], then enter section [998] at the keypad that was programmed.
Step 4 - When the keypad is finished press the [#] key to exit.
Limited Warranty

Digital Security Controls warrants that for a period of 12 months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls. Digital Security Controls neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

**WARNING**: Digital Security Controls recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

**Important Information**: Changes or modifications not expressly approved by Digital Security Controls could void the user’s authority to operate this equipment.
Keypad Enrollment
Enter keypad programming by pressing [**][8][Installer’s Code][000].

[0] Partition / Slot Assignment

<table>
<thead>
<tr>
<th>Digit</th>
<th>Option</th>
<th>Valid Range</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>Partition Assignment (0 = Global Keypad)</td>
<td>0 to 8</td>
<td>1</td>
</tr>
<tr>
<td>2nd</td>
<td>Slot Assignment</td>
<td>1 to 8</td>
<td>8</td>
</tr>
</tbody>
</table>

[1]-[5] Function Key Assignment

<table>
<thead>
<tr>
<th>Function Key</th>
<th>Button</th>
<th>Valid Range</th>
<th>Default</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>[1]</td>
<td></td>
<td>00 to 32</td>
<td>03</td>
<td>Stay Arm</td>
</tr>
<tr>
<td>[2]</td>
<td></td>
<td>00 to 32</td>
<td>04</td>
<td>Away Arm</td>
</tr>
<tr>
<td>[3]</td>
<td></td>
<td>00 to 32</td>
<td>06</td>
<td>Chime On/Off</td>
</tr>
<tr>
<td>[4]</td>
<td></td>
<td>00 to 32</td>
<td>14</td>
<td>Sensor Reset</td>
</tr>
<tr>
<td>[5]</td>
<td></td>
<td>00 to 32</td>
<td>16</td>
<td>Quick Exit</td>
</tr>
</tbody>
</table>

Keypad Function Keys
Refer to your system installation manual for a complete list of all function key options available for your system.

- [00] - Null
- [01] - Partition 1 Select
- [02] - Partition 2 Select
- [03] - Stay Arm
- [04] - Away Arm
- [05] - No Entry Arm
- [06] - Chime On/Off
- [07] - System Test
- [08] - Bypass Mode
- [09] - Trouble Display
- [10] - Alarm Memory
- [12] - User Functions
- [13] - Command Output 1
- [14] - Command Output 2
- [15] - *Global Stay Arm
- [16] - Quick Exit
- [17] - Activate Stay/Away
- [18] - *Global Away Arm
- [19] - Command Output 3
- [20] - Command Output 4
- [21] - Global Disarming
- [22] - Bypass Recall
- [23] - Bypass Group Recall
- [24] - Local PGM Activate
- [25] - Time & Date Program
- [26] - Partition 3 Select
- [27] - Partition 4 Select
- [28] - Partition 5 Select
- [29] - Partition 6 Select
- [30] - Partition 7 Select
- [31] - Partition 8 Select
- [32] - *Global Stay Arm
- [33] - *Global Disarming

*Available only on the PC1616/PC1832/PC1864 version 4.2 or higher.

Keypad Programming
Enter keypad programming by pressing [**][8][Installer Code][**]

[001]-[064] Zone Label 1 to 64
ex. For Zone 1 enter section [001], for Zone 2 enter section [002] etc. Default: “Zone 1” - “Zone 64”

<table>
<thead>
<tr>
<th>Section</th>
<th>Zone</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>[001] to [064]</td>
<td>1 to 64</td>
<td></td>
</tr>
</tbody>
</table>
[065] Fire Alarm Label (28 Characters)
Default: “Fire Zone”

[066] Fail to Arm Event Message
Default: “System Has Failed to Arm”

[067] Alarm When Armed Event Message
Default: “Alarm Occurred While Armed < >”

[071] First User Display Mask

<table>
<thead>
<tr>
<th>Default</th>
<th>Option</th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>1</td>
<td>Hold [P]anic Key prompt ON</td>
<td>Hold [P]anic Key prompt OFF</td>
</tr>
<tr>
<td>ON</td>
<td>2</td>
<td>Auto-arm Control/Time prompt ON</td>
<td>Auto-arm Control/Time prompt OFF</td>
</tr>
<tr>
<td>ON</td>
<td>3</td>
<td>Quick Arm prompt ON</td>
<td>Quick Exit prompt OFF</td>
</tr>
<tr>
<td>ON</td>
<td>4</td>
<td>Interior Arm prompt ON</td>
<td>Thermostat Control prompt OFF</td>
</tr>
<tr>
<td>OFF</td>
<td>5</td>
<td>Quick Exit prompt ON</td>
<td>ACK All Trouble Prompt OFF</td>
</tr>
<tr>
<td>OFF</td>
<td>6</td>
<td>Thermostat Control prompt ON</td>
<td>Music Input prompt ON</td>
</tr>
<tr>
<td>OFF</td>
<td>7</td>
<td>ACK All Trouble Prompt ON</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>8</td>
<td>User-initiated Call-up prompt ON</td>
<td></td>
</tr>
</tbody>
</table>

[072] Second User Display Mask

<table>
<thead>
<tr>
<th>Default</th>
<th>Option</th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>1</td>
<td>User-initiated Call-up prompt ON</td>
<td>User-initiated Call-up prompt OFF</td>
</tr>
<tr>
<td>OFF</td>
<td>2</td>
<td>For Future Use</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>3</td>
<td>Walk Test prompt ON</td>
<td>Walk Test prompt OFF</td>
</tr>
<tr>
<td>ON</td>
<td>4</td>
<td>Command Output#1 prompt ON</td>
<td>Command Output#1 prompt OFF</td>
</tr>
<tr>
<td>ON</td>
<td>5</td>
<td>Command Output#2 prompt ON</td>
<td>Command Output#2 prompt OFF</td>
</tr>
<tr>
<td>OFF</td>
<td>6</td>
<td>Command Output#3 prompt ON</td>
<td>Command Output#3 prompt OFF</td>
</tr>
<tr>
<td>OFF</td>
<td>7</td>
<td>Command Output#4 prompt ON</td>
<td>Command Output#4 prompt OFF</td>
</tr>
<tr>
<td>OFF</td>
<td>8</td>
<td>For Future Use</td>
<td></td>
</tr>
</tbody>
</table>

[073] Download LCD Message Duration
Default: 003 (Valid entries are 000-255), 000 = Unlimited Message Disp.
This number represents the number of times the downloaded message is cleared by pressing any key while the message is up after timeout).
### Key Options

<table>
<thead>
<tr>
<th>Default</th>
<th>Option</th>
<th>ON/Off</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>1</td>
<td>[F]ire Key Enabled</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>2</td>
<td>For Future Use</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>3</td>
<td>[P]anic Key Enabled</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>4-8</td>
<td>For Future Use</td>
<td></td>
</tr>
</tbody>
</table>

### First Keypad Options

<table>
<thead>
<tr>
<th>Default</th>
<th>Option</th>
<th>ON/Off</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>1</td>
<td>Display Code when Programming</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>2</td>
<td>Local Clock Display ON</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>3</td>
<td>Local Clock Displays 24-hr Time</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>4</td>
<td>Auto Alarm Memory Scroll Enabled</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>5</td>
<td>Local Display of Temperature ON</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>6</td>
<td>Bypass Options prompt ON</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>7</td>
<td>For Future Use</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>8</td>
<td>Auto-Scroll Open Zones ON</td>
<td></td>
</tr>
</tbody>
</table>

### Second Keypad Options

<table>
<thead>
<tr>
<th>Default</th>
<th>Option</th>
<th>ON/Off</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>1</td>
<td>Chime Enabled for Zone Openings</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>2</td>
<td>Chime Enabled for Zone Closings</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>3</td>
<td>5th Terminal is Keypad PGM Output</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>4</td>
<td>Language Selection Enabled</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>5</td>
<td>Power LED Enabled</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>6</td>
<td>Power LED indicates AC present</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>7</td>
<td>Alarms always Displayed When Armed</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>8</td>
<td>*Low Temperature Warning Enabled</td>
<td></td>
</tr>
</tbody>
</table>

*The Low Temperature Warning is violated at 6°C (43°F) and restored at 9°C (48°F).*

### PGM Terminal 1

Default: 01 (__________) 1-14 Follow PGM Output Number, 15 Local PGM Pulse, 16 Local PGM Toggle

### Local PGM Output Pulse Activation Time

Default: 00 (__________) Minutes (Valid Range 00-99)
Default: 05 (__________) Seconds (Valid Range 00-99)

### Partition Labels

ex. For Partition 1 enter section [101], for Partition 2 enter section [102] etc.

<table>
<thead>
<tr>
<th>Section</th>
<th>Partition</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>[101] to [108]</td>
<td>1 to 8</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Partition 1 Label is also used as the System Label.
[120]-[151] Command Output Labels
Default: “Command_O/P_1” - “Command_O/P_4”

- For Partition 1 Command O/P 1 to 4 enter [120] to [123]
- For Partition 2 Command O/P 1 to 4 enter [124] to [127]
- For Partition 3 Command O/P 1 to 4 enter [128] to [131]
- For Partition 4 Command O/P 1 to 4 enter [132] to [135]
- For Partition 5 Command O/P 1 to 4 enter [136] to [139]
- For Partition 6 Command O/P 1 to 4 enter [140] to [143]
- For Partition 7 Command O/P 1 to 4 enter [144] to [147]
- For Partition 8 Command O/P 1 to 4 enter [148] to [151]

<table>
<thead>
<tr>
<th>Section</th>
<th>Part</th>
<th>Cmd. Output</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>[120]-[151]</td>
<td>1to8</td>
<td>1to4</td>
<td></td>
</tr>
</tbody>
</table>

[201]-[264] Door Chime Sound Programming
You can program the keypad to make up to four different door chime sounds for individual zones.
ex. For Zone 1 enter section [201], for Zone 2 enter section [202] etc.

<table>
<thead>
<tr>
<th>Default</th>
<th>Option</th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>1</td>
<td>6 Beeps</td>
<td>Disabled</td>
</tr>
<tr>
<td>OFF</td>
<td>2</td>
<td>“Bing-Bing” Sound</td>
<td>Disabled</td>
</tr>
<tr>
<td>OFF</td>
<td>3</td>
<td>“Ding-Dong” Sound</td>
<td>Disabled</td>
</tr>
<tr>
<td>OFF</td>
<td>4</td>
<td>Alarm Tone</td>
<td>Disabled</td>
</tr>
<tr>
<td>OFF</td>
<td>5-8</td>
<td>For Future Use</td>
<td></td>
</tr>
</tbody>
</table>

[994] [*] Initiate Global Keypad Chime Broadcast
[995] [*] Reset Keypad Options to Factory Default
[996] [*] Label Default
[997] View Software Version
[998] [*] Initiate Global Label Broadcast
[999] [*] Reset Keypad EEPROM to Factory Defaults

Keypad Display Symbols

- **1** Fire — Indicates that there are fire alarms in memory.
- **2** Memory — Indicates that there are alarms in memory.
- **3** Ready Light (green) — If the Ready light is on, the system is ready for arming.
- **4** Armed Light (red) — If the Armed light is on, the system has been armed successfully.
- **5** System Trouble — Indicates that a system trouble is active.
- **6** AL — Indicates that AC is present at the main panel.
- **7** Program — Indicates that the system is in Installer’s Programming, or the keypad is busy.
- **8** Bypass — Indicates that there are zones automatically or manually bypassed.
- **9** For Future Use
- **10** Arm Mode — Indicates the mode the panel is armed in.
- **11** Chime — This icon turns on when Door Chime is enabled on the system and will turn off when Door Chime is disabled.
- **12** Open — When zones are opened, this icon will turn on, and 7 segment displays 1 and 2 will scroll through the open zones.