LCD5500Z / PKP-LCD
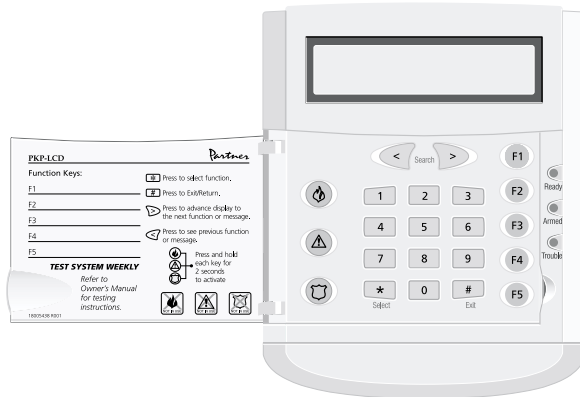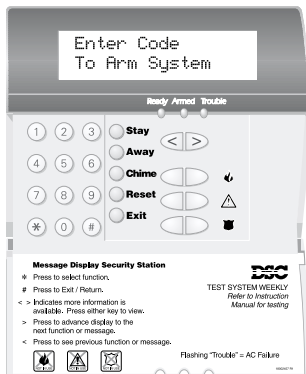# v3.x Installation Instructions

Introduction

The LCD5500Z / PKP-LCD keypad displays system status using an LCD screen. The keypad can be used on PowerSeries security systems with up to 64 zones.

Specifications

- Connects to control panel via 4-wire Keybus
- One keypad zone input
- Current draw: 45mA (standby); 85mA (max)
- Five programmable function keys
- Ready (green), Armed (red) and Trouble (yellow) status lights

Installation

Unpacking

The LCD5500Z / PKP-LCD package includes the following parts:

- One LCD5500Z / PKP-LCD keypad
- Four mounting screws
- One set of Fire, Auxiliary and Panic key labels
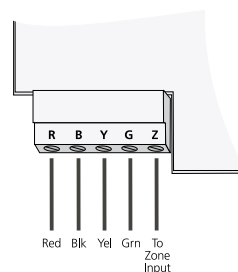
Mounting

You should 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:

1. For the PKP-LCD, remove the end-cap located at the bottom of the keypad. This can be done by gently inserting a small flathead screwdriver into the groove separating the end-cap and the rest of the keypad.

2. Remove the keypad backplate by removing the two screws located at the base of the unit.

3. Secure the keypad backplate to the wall in the desired location. Use the screws provided.

4. Before attaching the keypad to its backplate, complete the keypad wiring as described in the next section.

Wiring

1. Before beginning to wire 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 (R B Y G). Consult the diagram below:

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.

Applying Power

Once all wiring is complete, 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*.

NOTE: *Do not connect the power until all wiring is complete.*

Enrolling the Keypad

Once all wiring is complete, you will need to enter a 2-digit number that tells the system the partition and slot assignment of the keypad.

If your system has partitions, you will also need to assign the keypad to a partition (1st digit).

The slot assignment (2nd digit) tells the panel which keypad slots are occupied. The panel can then generate a fault when a keypad supervisory signal is not present. There are eight available slots for keypads. LCD5500Z / PKP-LCD keypads are always assigned to slot 1 by default. You will need to assign each keypad to its own slot (1 to 8).

Enter the following at each keypad installed on the system:

1. Enter Installer Programming by pressing [✱][8][Installer Code]
2. Press [000] for Keypad Programming
3. Press [0] for Partition and Slot Assignment
4. Enter a two digit number to specify the partition and slot assignment.

NOTE: *If your system does not have partitions, enter [1] for the first digit.*

1st digit	Enter 0 for Global Keypad
	Enter 1-8 for Partition1-8 Keypad
2nd digit	Enter 1-8 for Slot Assignment

5. Press the [#] key twice to exit programming.
6. After assigning all keypads, perform a supervisory reset by entering [✱][8][Installer Code][902]. The panel will now supervise all assigned keypads and enrolled modules on the system.

v3.X Keypad Programming

1. From the LCD keypad, enter [✱][8][Installer Code].
2. The keypad will display "Enter Section _ _ _".
3. Now Press the [✱] key. The LCD will display "Enter LCD Section _ _"
4. Now enter a section as described below for programming the keypad.
5. Sections [120] - [151] will display "Output Label" on the top line of the label, and cannot be changed.

[001] - [064] Zone Labels

Default

Zone_ _ _ _1_ _ _ _
|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

Default

Zone_ _ _ _64_ _ _
|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

[065] Fire Alarm Label

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_ _ _ <>
|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

[070] First User Display Mask

Default			Option ON	Option OFF
ON	I___I	Option 1	Hold [P] Key Prompt ON	Hold [P] Key Prompt OFF
ON	I___I	Option 2	Zone Bypassing Prompt ON	Zone Bypass Prompt OFF
ON	I___I	Option 3	Troubles Prompt ON	Troubles Prompt OFF
ON	I___I	Option 4	Alarm Memory Prompt ON	Alarm Memory Prompt OFF
ON	I___I	Option 5	Door Chime Control Prompt ON	Door Chime Control Prompt OFF
ON	I___I	Option 6	Access Codes Prompt ON	Access Codes Prompt OFF
ON	I___I	Option 7	User Functions Prompt ON	User Functions Prompt OFF
ON	I___I	Option 8	Output Control Prompt ON	Output Control Prompt OFF

[071] Second User Display Mask

Default			Option ON	Option OFF
OFF	I___I	Option 1	Installer Programming Prompt ON	Installer Programming Prompt OFF
ON	I___I	Option 2	At-Home Arm Prompt ON	At-Home Arm Prompt OFF
ON	I___I	Option 3	Quick Arm Prompt ON	Quick Arm Prompt OFF
ON	I___I	Option 4	Interior Arm Prompt ON	Interior Arm Prompt OFF
OFF	I___I	Option 5	Quick Exit Prompt ON	Quick Exit Prompt OFF
ON	I___I	Option 6	View Event Buffer Prompt ON	View Event Buffer Prompt OFF
Off	I___I	Option 7	For Future Use	
OFF	I___I	Option 8	Music Input ON	Music Input OFF

[072] Third User Display Mask

Default			Option ON	Option OFF
ON	I___I	Option 1	System Test Prompt ON	System Test Prompt OFF
ON	I___I	Option 2	Time and Date Prompt ON	Time and Date Prompt OFF
ON	I___I	Option 3	Auto-arm Control Prompt ON	Auto-arm Days Prompt OFF
ON	I___I	Option 4	Auto-arm Time Prompt ON	Auto-arm Time Prompt OFF
ON	I___I	Option 5	Download Enable Prompt ON	Download Enable Prompt OFF
ON	I___I	Option 6	Brightness Control Prompt ON	Brightness Control Prompt OFF
ON	I___I	Option 7	Contrast Control Prompt ON	Contrast Control Prompt OFF
ON	I___I	Option 8	Buzzer Control Prompt ON	Buzzer Control Prompt OFF

[073] 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)

[074] Key Options

Default			Option ON	Option OFF
ON	I___I	Option 1	[F] Key Enabled	[F] Key Disabled
ON	I___I	Option 2	[A] Key Enabled	[A] Key Disabled
ON	I___I	Option 3	[P] Key Enabled	[P] Key Disabled
Off	I___I	Option 4-8	For Future Use	

[075] Fourth User Display Mask

Default		Option ON	Option OFF
ON	I___I Option 1	User-initiated Callup Prompt ON	User-initiated Callup Prompt OFF
OFF	I___I Option 2	Last Code to Disarm/Arm Prompt ON	Last Code to Disarm/Arm Prompt OFF
OFF	I___I Option 3	Walk Test Prompt ON	Walk Test Prompt OFF
ON	I___I Option 4	Command Output #1 Prompt ON	Command Output #1 Prompt OFF
ON	I___I Option 5	Command Output #2 Prompt ON	Command Output #2 Prompt OFF
OFF	I___I Option 6	Command Output #3 Prompt ON	Command Output #3 Prompt OFF
OFF	I___I Option 7	Command Output #4 Prompt ON	Command Output #4 Prompt OFF
Off	I___I Option 8	For Future Use	

Note: Options 2 and 3 are supported by the PC1575 only.

[076] Keypad Options

Default		Option ON	Option OFF
ON	I___I Option 1	Display Code When Programming	Display Xs When Programming
ON	I___I Option 2	Local Clock Display Enabled	Local Clock Display Disabled
OFF	I___I Option 3	Local Clock Displays 24-hr. Time	Local Clock Displays AM/PM
ON	I___I Option 4	Auto Alarm Scroll Enabled	Auto Alarm Scroll Disabled
OFF	I___I Option 5	Local Display of Temperature Enabled	Local Display of Temperature Disabled
OFF	I___I Option 6	Bypass Options Prompt ON	Bypass Options Prompt OFF
OFF	I___I Option 7-8	For Future Use	

[077] Fifth User Display Mask

Default		Option ON	Option OFF
OFF	I___I Option 1	Thermostat CTRL Prompt ON	Thermostat CTRL Prompt OFF
OFF	I___I Option 2	Temperature Setting Prompt ON	Temperature Setting Prompt OFF
OFF	I___I Option 3	Occupancy Mode Prompt ON	Occupancy Mode Prompt OFF
OFF	I___I Option 4	Thermostat Mode Prompt ON	Thermostat Mode Prompt OFF
OFF	I___I Option 5	Fan Control Prompt ON	Fan Control Prompt OFF
OFF	I___I Option 6	For Keypad View Prompt ON	For Keypad View Prompt OFF
OFF	I___I Option 7-8	For Future Use	

[078] Sixth User Display Mask

Default		Option ON	Option OFF
OFF	I___I Option 1	Occupancy Mode Auxiliary Prompt ON	Occupancy Mode Auxiliary Prompt OFF
OFF	I___I Option 2	Occupancy Mode Day Prompt ON	Occupancy Mode Day Prompt OFF
OFF	I___I Option 3	Occupancy Mode Away Prompt ON	Occupancy Mode Away Prompt OFF
OFF	I___I Option 4	Occupancy Mode Night Prompt ON	Occupancy Mode Night Prompt OFF
OFF	I___I Option 5-8	For Future Use	

[101] Partition 1 Label

Default

Partition_1_____I__I__I__I__I__I__I__I__I__I__I__I__I__I

[102] Partition 2 Label

Default

Partition_2_____I__I__I__I__I__I__I__I__I__I__I__I__I__I

[103] Partition 3 Label
  Default
  P a r t i t i o n _ 3 _ _ _ _ _ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[104] Partition 4 Label
  Default
  P a r t i t i o n _ 4 _ _ _ _ _ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[105] Partition 5 Label
  Default
  P a r t i t i o n _ 5 _ _ _ _ _ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[106] Partition 6 Label
  Default
  P a r t i t i o n _ 6 _ _ _ _ _ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[107] Partition 7 Label
  Default
  P a r t i t i o n _ 7 _ _ _ _ _ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[108] Partition 8 Label
  Default
  P a r t i t i o n _ 8 _ _ _ _ _ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[120] Partition 1 Command Output #1 Label
  Default
  Command_O/P_1_ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[121] Partition 1 Command Output #2 Label
  Default
  Command_O/P_2_ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[122] Partition 1 Command Output #3 Label
  Default
  Command_O/P_3_ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[123] Partition 1 Command Output #4 Label
  Default
  Command_O/P_4_ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[124] Partition 2 Command Output #1 Label
  Default
  Command_O/P_1_ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[125] Partition 2 Command Output #2 Label
  Default
  Command_O/P_2_ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[126] Partition 2 Command Output #3 Label
  Default
  Command_O/P_3_ |___|___|___|___|___|___|___|___|___|___|___|___|___|___|

[127] Partition 2 Command Output #4 Label
   Default
   Command_O/P_4_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[128] Partition 3 Command Output #1 Label
   Default
   Command_O/P_1_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[129] Partition 3 Command Output #2 Label
   Default
   Command_O/P_2_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[130] Partition 3 Command Output #3 Label
   Default
   Command_O/P_3_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[131] Partition 3 Command Output #4 Label
   Default
   Command_O/P_4_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[132] Partition 4 Command Output #1 Label
   Default
   Command_O/P_1_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[133] Partition 4 Command Output #2 Label
   Default
   Command_O/P_2_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[134] Partition 4 Command Output #3 Label
   Default
   Command_O/P_3_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[135] Partition 4 Command Output #4 Label
   Default
   Command_O/P_4_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[136] Partition 5 Command Output #1 Label
   Default
   Command_O/P_1_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[137] Partition 5 Command Output #2 Label
   Default
   Command_O/P_2_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[138] Partition 5 Command Output #3 Label
   Default
   Command_O/P_3_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[139] Partition 5 Command Output #4 Label
   Default
   Command_O/P_4_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[140] Partition 6 Command Output #1 Label
Default
Command_O/P_1_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[141] Partition 6 Command Output #2 Label
Default
Command_O/P_2_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[142] Partition 6 Command Output #3 Label
Default
Command_O/P_3_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[143] Partition 6 Command Output #4 Label
Default
Command_O/P_4_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[144] Partition 7 Command Output #1 Label
Default
Command_O/P_1_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[145] Partition 7 Command Output #2 Label
Default
Command_O/P_2_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[146] Partition 7 Command Output #3 Label
Default
Command_O/P_3_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[147] Partition 7 Command Output #4 Label
Default
Command_O/P_4_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[148] Partition 8 Command Output #1 Label
Default
Command_O/P_1_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[149] Partition 8 Command Output #2 Label
Default
Command_O/P_2_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[150] Partition 8 Command Output #3 Label
Default
Command_O/P_3_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[151] Partition 8 Command Output #4 Label
Default
Command_O/P_4_ |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[997] View Software Version

[998] Initiate Global Label Broadcast

[999] Reset LCD EEPROM to Factory Defaults

LIMITED WARRANTY

Digital Security Controls Ltd. warrants the original purchaser that for a period of twelve months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use. During the warranty period, Digital Security Controls Ltd. shall, at its option, repair or replace any defective product upon return of the product to its factory, at no charge for labour and materials. Any replacement and/or repaired parts are warranted for the remainder of the original warranty or ninety (90) days, whichever is longer. The original purchaser must promptly notify Digital Security Controls Ltd. in writing that there is defect in material or workmanship, such written notice to be received in all events prior to expiration of the warranty period. There is absolutely no warranty on software and all software products are sold as a user license under the terms of the software license agreement included with the product. The Customer assumes all responsibility for the proper selection, installation, operation and maintenance of any products purchased from DSC. Custom products are only warranted to the extent that they do not function upon delivery. In such cases, DSC can replace or credit at its option.

International Warranty

The warranty for international customers is the same as for any customer within Canada and the United States, with the exception that Digital Security Controls Ltd. shall not be responsible for any customs fees, taxes, or VAT that may be due.

Warranty Procedure

To obtain service under this warranty, please return the item(s) in question to the point of purchase. All authorized distributors and dealers have a warranty program. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Conditions to Void Warranty

This warranty applies only to defects in parts and workmanship relating to normal use. It does not cover:

- damage incurred in shipping or handling;
- damage caused by disaster such as fire, flood, wind, earthquake or lightning;
- damage due to causes beyond the control of Digital Security Controls Ltd. such as excessive voltage, mechanical shock or water damage;
- damage caused by unauthorized attachment, alterations, modifications or foreign objects;
- damage caused by peripherals (unless such peripherals were supplied by Digital Security Controls Ltd.);
- defects caused by failure to provide a suitable installation environment for the products;
- damage caused by use of the products for purposes other than those for which it was designed;
- damage from improper maintenance;
- damage arising out of any other abuse, mishandling or improper application of the products.

Items Not Covered by Warranty

In addition to the items which void the Warranty, the following items shall not be covered by Warranty: (i) freight cost to the repair centre; (ii) products which are not identified with DSC's product label and lot number or serial number; (iii) products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection or testing to verify any warranty claim. Access cards or tags returned for replacement under warranty will be credited or replaced at DSC's option. Products not covered by this warranty, or otherwise out of warranty due to age, misuse, or damage shall be evaluated, and a repair estimate shall be provided. No repair work will be performed until a valid purchase order is received from the Customer and a Return Merchandise Authorisation number (RMA) is issued by DSC's Customer Service.

Digital Security Controls Ltd.'s liability for failure to repair the product under this warranty after a reasonable number of attempts will be limited to a replacement of the product, as the exclusive remedy for breach of warranty. Under no circumstances shall Digital Security Controls Ltd. be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability, or any other legal theory. Such damages include, but are not limited to, loss of profits, loss of the product or any associated equipment, cost of capital, cost of substitute or replacement equipment, facilities or services, down time, purchaser's time, the claims of third parties, including customers, and injury to property. The laws of some jurisdictions limit or do not allow the disclaimer of consequential damages. If the laws of such a jurisdiction apply to any claim by or against DSC, the limitations and disclaimers contained here shall be to the greatest extent permitted by law. Some states do not allow the exclusion or limitation of incidental or consequential damages, so that the above may not apply to you.

Disclaimer of Warranties

This warranty contains the entire warranty and shall be in lieu of any and all other warranties, whether expressed or implied (including all implied warranties of merchantability or fitness for a particular purpose) and of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes responsibility 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.

This disclaimer of warranties and limited warranty are governed by the laws of the province of Ontario, Canada.

WARNING: Digital Security Controls Ltd. 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.

Out of Warranty Repairs

Digital Security Controls Ltd. will at its option repair or replace out-of-warranty products which are returned to its factory according to the following conditions. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Products which Digital Security Controls Ltd. determines to be repairable will be repaired and returned. A set fee which Digital Security Controls Ltd. has predetermined and which may be revised from time to time, will be charged for each unit repaired.

Products which Digital Security Controls Ltd. determines not to be repairable will be replaced by the nearest equivalent product available at that time. The current market price of the replacement product will be charged for each replacement unit.