



STANDARD / CP-01(SIA FAR)

PC1616/PC1832/PC1864 v4.1 PROGRAMMING WORKSHEET

This Programming Worksheet provides all programming sections and default values for the PowerSeries PC1616, PC1832 and PC1864.

This programming worksheet shall be used in conjunction with the PowerSeries PC1616, PC1832 and PC1864 Reference Manual which can be obtained from your local dealer or downloaded from the DSC website at www.dsc.com.

Table with 4 columns: On-board Zones, Hardwired Zones, Wireless Zones, On-board PGMs, Keypads, Partitions. Sub-tables for PC1616, PC1832, PC1864.

How to Program: DSC recommends filling in the Programming Worksheet with the required programming information before programming the system.

To enter Installer Programming Press [*][8][55555]. The Program light will FLASH on LED Keypads. The display will change to 'Enter Section' on the LCD keypad.

An error tone indicates the installer code entered is incorrect. Press [#] to clear the entry then reenter the installer code. The Armed and Ready lights indicate programming status:

Armed Light ON: Panel waiting for 3-digit section number. Ready Light ON: Panel waiting for data to be entered. Ready Light FLASHING: Panel waiting for HEX data to be entered.

NOTE: You cannot enter installer programming while any partition is armed or in alarm.

Programming Toggle Options: Enter the 3-digit programming section number. The Armed light will turn OFF and the Ready light will turn ON.

Key Type: LED, Fixed-Message LCD, Programmable-Message LCD. Option ON/OFF: Zone Light ON/OFF, Indicator # ON/OFF, # Displayed, Dash [-] Displayed.

To toggle an option ON or OFF, press the corresponding number on the keypad. The change will be displayed. When all the toggle options are configured as required:

Press the [#] key to exit the programming section. The Ready light will turn OFF and the Armed light will turn ON. NOTE: If the panel is a local system, press [#] to skip this step.

NOTE: In addition to the standard digits 0-9, HEX digits can also be programmed in the phone number if required.

HEX [A] Not Supported. HEX [B] Simulated [#] key. Press [*][2][*]. HEX [C] Simulated [#] key. Press [*][3][*]. HEX [D] Dial tone search. Press [*][4][*]. HEX [E] Two second pause. Press [*][5][*].

Programming Decimal and Hexadecimal (HEX) Data: Decimal: Enter the 3-digit programming section number. The Armed light will turn OFF and the Ready light will turn ON.

For sections that require multiple 2 or 3 digit numbers, the keypad will double-beep after each 2 or 3 digit entry before moving to the next item on the list. After the last digit in the section is entered, the keypad will beep rapidly 5 times and exit the program section. The Ready light will turn OFF and the Armed light will turn ON.

For sections that do not require data for every box (such as phone numbers) press the [#] key to exit the programming section after entering all of the required data.

The Ready light will turn OFF and the Armed light will turn ON. Enter [#] at any time to exit a programming section and save programming changes.

Hexadecimal: To enter a HEX digit, press the [*] key to begin HEX programming. The Ready light will FLASH. Refer to the chart below and press the number corresponding to the HEX digit required.

The Ready light will continue to FLASH. Press [#] again to return to normal decimal programming. The Ready light will turn ON.

HEX [A] [*][1][*] HEX [B] [*][2][*] HEX [C] [*][3][*] HEX [D] [*][4][*] HEX [E] [*][5][*] HEX [F] [*][6][*]

How to Exit Installer Programming: To exit installer programming, press the [#] key when the panel is waiting for a 3-digit section number (the Armed light is ON).

Viewing Programming LED and LCD5501Z Keypads: All programming sections can be viewed from an LED or LCD5501Z keypad.

When a programming section is entered, the keypad will immediately display the first digit of information programmed in that section. The keypad displays the information using the binary format, indicated below:

See Hex data entry instructions

Table with 16 columns (0-F) and 4 rows (Zone 1-4, Zone Light OFF/ON)

Use the arrow keys (< >) or press any of the Emergency keys (Fire, Auxiliary or Panic) to advance to the next digit. When all the digits in a section have been viewed, the panel will exit the section:

the Ready light will turn OFF, and the Armed light will turn ON. The system will wait for the next three-digit programming section number to be entered.

Press the [#] key to exit the section. LCD Keypads: When a programming section is entered, the keypad will display all the information programmed in that section.

Use the arrow keys (< >) to scroll through the data being displayed. To exit the section, scroll past the end of the data displayed, or press the [#] key.

DLS DOWNLOADING section with fields for Op Def, ON, OFF, Downloading Option Codes [401], [403], [404], [405], [406], [409].

SPECIAL INSTALLER FUNCTIONS section with fields for [900] Panel Version Displayed, [901] Installer Walk Test Mode, [902] Module Supervision Reset, [903] Module Supervision Field, [904] Wireless Module Placement Test, [905] Future Use, [906] Local Test of Download Remote Trigger, [907] Future Use, [908] Future Use, [909] Future Use.

KEYPAD PROGRAMMING section with fields for [000] KEYPAD ENROLLMENT, FUNCTION KEY OPTIONS, and keypad configuration options.

PGM PROGRAMMING section with PGM OUTPUT OPTIONS, PGM ATTRIBUTES, and PGM PARTITION ASSIGNMENT.

PGM OPTIONS section with fields for [009] PGM 1 Def 19, [009] PGM 2 Def 10, [010] PGM 3 Def 01, [010] PGM 4 Def 01, [010] PGM 5 Def 01, [010] PGM 6 Def 01, [010] PGM 7 Def 01, [010] PGM 8 Def 01, [010] PGM 9 Def 01, [010] PGM 10 Def 01, [011] PGM 11 Def 01, [011] PGM 12 Def 01, [011] PGM 13 Def 01, [011] PGM 14 Def 01.

ZONE PROGRAMMING section with ZONE Definition, ZONE ATTRIBUTES, and ZONE Definition tables for 1-9 zones.

Table with columns: ZNR, RECORD ZONE LABEL HERE IF APPLICABLE, ZONE TYPE, ZONE ATTRIBUTES (1-9), [804][0-3] SERIAL # (Wireless), PARTITION ASSIGNMENT (1-8), ZONE REPORTING CODES (Def FF) (ALARM, ALARM REST, TAMPER, TAMP REST).



PARTITION PROGRAMMING table with columns for [201] Partition Select Mask, Entry Delay 1, Entry Delay 2, Exit Delay, days of the week (Sun-Sat), No Activity Arming Pre-alert Time, Partition Account Code, Alarm/Restore Call Directions, Tamper/Restore Call Directions, Opening/Closing Call Directions, System Maintenance Call Directions, and System Test Transmission Call Directions.

[380] 1st Communicator Option Codes table with 8 rows of options such as Communications Enabled, Restorals on Bell Time-out, Pulse Dialing, and Delinquency Follows Zone Activity (Hours).

[381] 2nd Communicator Option Codes table with 8 rows of options such as Open After Alarm Keypad Ringback Enabled, SIA Sends Programmed Reporting Codes, and Local Mode Enabled.

[382] 3rd Communicator Option Codes table with 8 rows of options such as Contact ID Partial Closing Identifier is "S", Alarm Communications Enabled During Walk Test, and Future Use.

INTERNATIONAL PROGRAMMING section with [701] 1st International Option Codes (50 Hz AC, Time Base - Internal Crystal) and [702] 2nd International Option Codes (Pulse Dialing Make/Break Ratio, Force Dialing Enabled).

[013] 1st System Option Codes table with 8 rows of options such as Normally Closed Loops, Double End-of-line Resistors, and Standard Pulsed Fire Signal.

[018] 6th System Option Codes table with 8 rows of options such as Test Transmission Exception Enabled, Verbal Chime Enabled, and AC Trouble Beeps Enabled.

[703] Delay between Dialing Attempts and [700] Automatic Clock Adjust section with Def 60 and Def 003 settings.

[014] 2nd System Option Codes table with 8 rows of options such as Arm /Disarm Bell Squawk Enabled, Bell Squawk During Auto-arm, and Residential Fire Bell is Continuous.

[019] 7th System Option Codes table with 8 rows of options such as Future Use, Keypad Buzzer Follows Bell Enabled, and AC Trouble Beeps Disabled.

SYSTEM CODES & TIMERS section with [006] Installer Code, [007] Master Code, [008] Maintenance Code, and [030] Zone Loop Response Zones (1-8).

[015] 3rd System Option Codes table with 8 rows of options such as Fire Keys Enabled, Panic Keys Audible, and TLM Audible (Bell) when Armed.

[021] 8th System Option Codes table with 8 rows of options such as Future Use, RF Delinquency Enabled, and Audible Exit Delay Stay Arming.

[165] Maximum Dialing Attempts to Each Telephone Number, [166] Post Dial Wait for Handshake, [167] T-Link Communications Wait For Acknowledge Delay, [170] PGM Output Timer, [171] Future Use, [172] Future Use, [173] Future Use, [175] Auto-arm Postpone Timer, [176] Cross Zone / Police Code Timer, [177] Waterflow Delay Timer, [178] Alarm Verified for Verbal Alarm, [190] No Activity Pre-Alert Timer, [199] Auto-arming Pre-alert Timer.

[016] 4th System Option Codes table with 8 rows of options such as AC Trouble Displayed, Trouble Light Flashes if AC Fails, and Keypad Backlighting is Enabled.

[022] 9th System Option Codes table with 8 rows of options such as Future Use, Trouble Light does NOT follow AC Status, and RF Delinquency Enabled.

[017] 5th System Option Codes table with 8 rows of options such as WLS Key Does NOT use Access Codes, RF Jam Log after 5 Minutes, and Silent RF Jam Trouble Beeps.

[023] 10th System Option Codes table with 8 rows of options such as [F] Key Beeps Only, 200 Baud Open/Close Identifier Toggle ON, and Test Transmission While Armed/Disarmed.

COMMUNICATIONS section with [301] First Telephone Number (32 Digits), [302] Second Telephone Number (32 Digits), [303] Third Telephone Number (32 Digits), [304] Call Waiting Cancel String (6 Digits), [310] System Account Code (6 Digits), and [377] Communication Variables.

[378] Test Transmission Time of Day, [379] Periodic DLS Time of Day, and [380] Test Transmission Time of Day.

[350] Communicator Format Options table with 13 rows of options such as 20BPS, 1400 Hz Handshake, 20BPS, 2300 Hz Handshake, and CESA 200.

ADDITIONAL REPORTING CODES (Default is FF unless indicated otherwise) section with [328] MISC. Alarm Reporting Codes, [346] Maintenance Restoral Reporting Codes, [329] Priority Alarm & Restoral, [347] Misc. Maintenance Reporting Codes, [338] MISC. Tamper Reporting Codes, [341] MISC. Closing (Arming) Reporting Codes, [348] Test Transmission Reporting Codes, [344] MISC. Opening (Disarming) Reporting Codes, and [349] PCS700 Maintenance Reporting Codes.

[328] MISC. Alarm Reporting Codes table with 16 rows of options such as Dures Alarm, Open After Alarm, and Alarm Cancelled.

Access Codes 1-32 Reporting Codes table with Closing (Arming) and Opening (Disarming) columns and 32 rows of codes.

[329] Priority Alarm & Restoral table with 16 rows of options such as Keypad Fire Alarm, Keypad Auxiliary Alarm, and Keypad Paric Restoral.

Daylight Savings Time section with [168] Set Clock Forward, [169] Set Clock Back, and [170] Set Clock Back.

[341] MISC. Closing (Arming) Reporting Codes table with 16 rows of options such as Close by Dures Code 33, Close by Dures Code 34, and Close by Master Code 40.

MODULE PROGRAMMING section with [801] PCS400 Printer Module Programming, [802] PCS900 Audio Interface, [803] Alternate Communicator, [804] PCS132 Wireless Expansion, [805] PCS100, and [851] T-Link (To enable T-Link, Section [382], Option 5 must be ON).