

DSC[®] Power608[™] Security System

6-8 Zone Integrated, Hybrid Wireless System



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Up to 12 Keypads

- up to 8 hardwired and 4 wireless keypads
- 2 hardwired keypads available...
 - PC5508Z eight zone LED keypad with zone input
 - LCD5500Z alphanumeric keypad with zone input
- WLS910 - wireless hand-held keypad
- added wireless control is provided by...
 - WLS908 - wireless panic pendant
 - WLS909 - wireless key

Hardwired or Wireless zone expansion

- 6 programmable zones expandable to 32 zones using up to 8 keypad zone inputs or wireless zones

Wireless

- PC5132 - wireless receiver module
- connect up to 32 wireless zones
- supports DSC wireless devices including : WLS904 Passive Infrared Motion Detector, WLS906 Photoelectric Smoke Alarm, and WLS907 Universal Transmitter (door or window contact)

Output Expansion Options

- up to 5 high current outputs...1 on main panel plus...
PC5204 power supply output module with...
 - 4 output high current (300mA) voltage outputs
 - 1 output is fully supervised for siren
- up to 9 low current outputs...1 on main panel plus...
PC5208 low current output module with...
 - 8 low current (50mA) outputs

Advanced Communications

- supports all major formats including SIA and Contact ID
- event-initiated personal paging
- 3 phone numbers (3rd backs up primary number)
- 2 account numbers

Audio Capability

- supports Central Station Two Way Voice and Home Intercom features

Efficient Installation

- 4 wire communications bus (KEYBUS)
 - connect modules up to 1000' (330m) from control panel
 - up to 1.55 A @ 12VDC auxiliary power
 - main panel provides up to 550mA auxiliary power
 - PC5204 power supply output module provides additional 1A auxiliary power

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PC5008 Main Control Panel

- 8 fully programmable zones
 - 6 hardwire zones on main control panel
 - 8 keypad input zones (1 per keypad)
 - 32 wireless zones hardwired using PC5132 wireless receiver
 - all zones programmable as burglary or fire⁽¹⁾
 - zone wiring options include... Normally Closed, Single End of Line (EOL) resistor, and Double EOL resistor⁽¹⁾
⁽¹⁾keypad zones do not support Double EOL resistor supervision
 - 27 programmable zone types, 8 programmable zone attributes
- 128 event buffer
 - all events automatically stored with time and date stamp to buffer
 - events can be printed on-site, viewed through the LCD Keypad or DLS software
- alarm output
 - bell output - 700mA @ 12VDC, PTC protected
 - additional supervised siren output using PC5204 power supply module, 300mA @ 12VDC, PTC protected
- programmable voltage outputs
 - main panel PGM1...high current, 300mA @ 12VDC
 - main panel PGM2...low current, 50mA @ 12VDC
 - 8 additional low current 50mA @ 12VDC voltage outputs using PC5208 low current output module
 - 4 additional high current 300mA @ 12VDC voltage outputs using PC5204 power supply output module

...continued

- **local PCLINK™ and remote upload/download capability**
 - PCLINK allows direct connection of PC to alarm panel
 - program system using DLS software
 - view status and trouble conditions
 - view 128 event buffer
- **1A regulated power supply**
 - auxiliary power...12VDC, 550mA
 - positive temperature coefficient (PTC) AUX & Bell output protection
 - electronically protected from KEYBUS faults
 - supervision for AC power loss and low battery
 - internal clock locked to AC power frequency
- **battery required** : 12V, 4Ah, rechargeable sealed lead-acid
- **transformer required** : 16.5VAC, 40VA

System Operation

- **39 access codes**
 - 32 user codes, 1 master code, 2 duress codes, 2 supervisor codes, 1 installer code, and 1 maintenance code
 - individual open/close reporting by user
- **'no code required for Bypassing' option**
 - allows users to bypass zones without entering an access code
- **'quick arm' and 'quick exit'**
 - allows users to arm and exit easily
- **'stay/away' zones and 'stay' arming**
 - security of perimeter arming while premise is occupied
- **automatic arming**
 - program system to auto-arm at a specific time every day
- **'activity delinquency' code**
 - signals monitoring station if no activity is sensed in premise for a programmable period of time
- **door chime**
 - programmable by zone
 - monitor a door by having keypad beep when the door is opened or closed

False Alarm Prevention Features

- **audible exit delay**
- **audible exit fault**
- **arm/disarm bell squawk**
- **urgency on entry delay**
- **quick exit**
- **programmable swinger shut down by zone**
- **programmable transmission delay by zone**
- **AC failure, TLM trouble, and Low Battery transmission delays**
- **recent close code transmission**
- **cross zone police code transmission**
- **opening after alarm code transmission**

Full Supervision

Trouble conditions are displayed on all keypads and can also be communicated to central station for :

- **battery trouble**
- **AC failure**
- **zone low battery**
- **auxiliary power trouble**
- **zone tamper**
- **zone fault**
- **system tamper**
- **fire trouble**
- **siren circuit trouble**
- **arming delinquency**
- **general system trouble**
- **failure to communicate**
- **event buffer 75% full**
- **loss of system time**
- **telephone line trouble**
- **general system supervisory trouble**...reports when system fails to communicate with any module on the KEYBUS

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Plain Language Interfaces

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LCD5500Z Keypad



The Power608™ security system is fully programmable from the attractive, easy to use language LCD5500Z keypad :

- **connect up to 8 keypads, combination LED and/or LCD**
- **zone input**
 - connect detector to keypad zone input in place of or in addition to 6 main panel zones to a maximum of 8 keypad zones
- **language** (*languages vary according to country*)
 - simple key entry to toggle between languages while viewing keypad
- **large 32 character display**
 - zone identification - system instructions - system status
 - 128 event buffer - trouble conditions
- **plain language operating instructions**
 - menu for user functions - what key to press for specific functions
 - steps for programming functions
- **5 programmable function keys with 18 options such as Home Arm, Away Arm, Quick Exit etc.**
- **4 keypad activated alarms : Fire, Auxiliary, Panic, and duress**
- **3 LED indicators : Ready, Armed, and Trouble**
 - allow system status to be viewed at a glance
- **backlit display**
 - display and keys backlit for easy viewing in low light conditions
 - adjustable brightness and contrast
 - *Backlighting Boost* provides extra high key lighting when any key is pressed
- **automatic scroll of alarms in memory while keypad is idle**
- **24 hour time display option**
- **piezo buzzer**
 - provides audible feedback for correct key entries, pre-alert, and system trouble status
 - select from 21 different buzzer tones
- **connect to 4 wire KEYBUS up to 1000' (330m) from control panel**
- **current draw** : 90mA with backlighting boost
- **dimensions** : 5.75" x 4.5" x 1" deep (144 x 114 x 25mm)

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PC5508Z LED Keypad

The Power608™ system is fully programmable from the attractive, easy to use, PC5508Z eight zone LED keypad :

- **connect up to 8 keypads, combination LED and/or LCD**
- **zone input**
 - connect detector to keypad zone input in place of or in addition 6 main panel zones to a maximum of 8 keypad zones

- **5 programmable function keys with 18 options** such as home arm, away arm, quick exit, etc.
- **3 LED indicators : Ready, Armed, and Trouble**
 - allow system status to be viewed at a glance
- **4 keypad activated alarms : Fire, Auxiliary, Panic, and duress**
- **backlit display...**with *Backlighting Boost* to provide extra high key lighting when any key is pressed
- **piezo buzzer...**provides audible feedback for correct key entries, pre-alert, and system trouble status
- **connect to 4 wire KEYBUS up to 1000' (330 m) from control panel**
- **current draw :** 80 mA with backlighting boost
- **dimensions :** 5.75" x 4.5" x 1" deep (144 x 114 x 25 mm)

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ESCORT 5580 Voice Prompt Module with Automation/Lighting Control

- turns any touch-tone phone into a fully functional keypad
- built-in power line interface for X-10 control devices
- connect up to 32 X-10 devices
- 16 schedules, 8 modes
- programmable word strings for functions, commands, and zone labels
- module contains extensive library of voice prompts
 - program up to 6 words per word string
 - 180 pre-programmed system words
 - 241 pre-programmed library words
- connect to 4 wire KEYBUS up to 1000' (330 m) from control panel
- current draw : 65 mA standby, 130 mA on-line

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PC5928 Audio Interface Module with PC5921 Series Intercom Stations



PC5921 Internal Intercom Station

also available :

PC5921EXT...external intercom station;
current draw : 20 mA

PC5921EXT/R...external intercom station with relay for operation of existing door bell;
current draw : 35 mA

- **PC5928 Audio Interface Module**...provides 7 output ports for connection of PC5921 Series Intercom Stations; current draw : 65 mA
- **local intercom**
 - page/answer
 - do not disturb
 - doorbell function
- **listen-in broadcast**...allows any station to be a "broadcast station" that may be listened-in to by all other internal stations in the system
- **programmable as sounder for fire/burglar alarms**
- **answer telephone calls received on regular voice line**
 - supports call waiting
 - allows call transfer to in-house phones
- **audio user help**
 - provides plain language prompts for system programming, operation, and system status reports when installed with Escort 5580 Voice Prompt Module and keypads mounted with PC5921 Intercom Stations
- **central station 2-way listen in**
 - programmable control tones (from central station)
 - select zone, listen/talk, extend on-line time, hang up

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PC5400 - RS232 Serial Printer Interface Module

- allows serial printer connection for report of events logged to the PC5008 event buffer
- supports any 300, 1200, 2400 or 4800 BPS serial printer
- multiple languages available
- module connects to 4 wire KEYBUS up to 1000' (330 m) from control panel
- c/w DB-25 modular connector for easy connection
- current draw : 65 mA
- maximum one module per system

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Wireless Security

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PC5132 Wireless Receiver



- connect up to 32 DSC wireless detectors
- 900 MHz true 'Spread Spectrum' or 433 MHz Narrow Band technology, fully supervised for communication integrity
- 12 minute supervisory time
- connect to 4 wire KEYBUS up to 1000' (330 m) from control panel
- current draw : 125 mA

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Wireless Control Devices



WLS908 Wireless Panic Pendant

- communicates a non-medical alarm to central station
- 32 pendants maximum...each occupying 1 zone
- sealed non-replaceable battery

WLS909 Wireless Key

- remote arm/disarm control
- up to 16 keys per system
- 3 photo/electronic 1.5V batteries included

WLS910 Wireless Handheld Keypad

- personal remote keypad
- up to 4 wireless keypads per system (in addition to hardwired keypads)
- 3 'AAA' batteries included

PC5204 Power Supply and 4 High Current Voltage Output Module

- provides 1A @ 12.5VDC for additional modules or devices connected to the control panel
- requires a 16.5VAC 40VA transformer and 4AH battery
- includes 4 fully programmable high current voltage outputs
 - rated at 300mA @ 12VDC, PTC protected
- each output programmable to activate for any of 23 options
- one output fully supervised for siren connection
- connect up to 1000' (330m) from control panel via KEYBUS
- fully supervised for low battery and AC power loss
- current draw : 20mA
- maximum 1 module per system

Architect's Specifications

The contractor shall provide a complete electrically supervised, battery backed-up, fire and burglary alarm system. The system shall be complete with a multi-zone alarm system with the capacity of up to 32 burglar or Class B fire zones of which up to 32 may be wireless zones. All zones shall be supervised and be capable of operating listed heat detectors, smoke detectors, alarm contacts, motion detectors, vibration detectors and other listed fire and burglary alarm detection devices. The system shall have expansion capability for up to 8 low current voltage outputs; and 4 high current voltage outputs of which one may be fully supervised for an additional siren. All outputs shall be programmable to activate for 1 of 23 options. System shall be complete with a 4 wire unshielded (QUAD) communications bus that allows system modules and keypads to be added anywhere on the bus up to 1,000 feet (330m) per leg from the main control panel. Bus shall be able to withstand temporary shorts of up to +12V without control panel damage. The system shall be capable of providing up to 1.55 amps of 12VDC auxiliary power for alarm devices.

The system shall be complete with a built-in power line interface for up to 32 X-10 control devices.

The alarm panel shall be capable of digital communications via regular telephone lines to two separate monitoring stations or locations with 2 account numbers and 3 telephone numbers. The system communicator shall be capable of communicating in all major formats including SIA and Contact ID. Events transmitted shall be programmable to include: fire alarms, burglary alarms, trouble alarms, supervisory conditions, alarm restoral codes, opening (disarming) and closing (arming) codes, partial closing codes, and opening after alarm codes. The system shall be capable of paging personnel on the occurrence of any of the above events selected by the owner. The system shall be capable of transmitting a test code to the monitoring station(s) on a programmable daily, weekly or monthly frequency at a regular time of day.

The system shall be complete with audio interface capable of supporting up to 7 audio ports for local intercom/paging, listen-in broadcast, telephone answering, audio user help, and 2-way listen-in by the monitoring station.

There shall be a 700mA, PTC protected, supervised bell/siren circuit that will drive a bell/siren until reset or silenced. Siren output shall be programmable as steady or pulsed for each zone.

The alarm panel shall be equipped with EEPROM memory to retain all program information even if all AC and battery power is lost and shall have integral static and lightning protection circuitry.

To prevent false alarms and unnecessary transmissions to monitoring stations, the alarm panel shall have SIA false alarm prevention features, programmable swinger shut down by zone, audible exit delay, audible exit fault, opening after alarm

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PC5208 Low Current Output Module

- module provides 8 low current voltage outputs
 - rated at 50 mA @ 12VDC
- each output programmable to activate for any of 23 options
- connect up to 1000' (330m) from control panel via KEYBUS
- current draw : 50 mA
- maximum 1 module per system

reporting, arm/disarm bell squawk, urgency on entry delay, "quick exit", programmable transmission delay by zone, and transmission delay on AC failure, TLM trouble, low battery, recent close code, and cross zone police code.

The system shall have stay/away and stay arming capability to allow the user to remain on the premises while the system is armed. A quick-arm feature shall allow users without access codes to arm the system and exit. A door chime feature shall cause the keypad to beep when a selected door is opened or closed.

The system shall support any combination of up to 8 "Language LCD" and "LED" type keypads with backlit displays. Keypads shall be surface mounted and capable of fully programming and operating the system. Each keypad shall be assignable to operate the entire system. Language keypads shall be complete with 32 character liquid crystal display (LCD) to provide plain language programming instructions, operating instructions, and display of all alarms and supervisory conditions. They shall be capable of toggling between languages by pressing a keypad key combination. LED keypads shall have 8 zone indicators. All keypads shall have keypad activated emergency alarms for panic, emergency, fire, and duress; 5 programmable function keys; LED indicators for Ready, Armed, and Trouble; and shall be equipped with a Piezo Buzzer to provide audible feedback for correct key entries, pre-alert, and trouble.

Each keypad shall have one zone input to allow a zone detector to be wired directly to the keypad.

System shall support wireless operation with up to 32 wireless panic pendants, 16 wireless arm/disarm keys, and 4 wireless handheld keypads.

The system shall allow any touch-tone phone to be used as a keypad with programmable voice prompts for system commands, functions, and labels (zones, etc.).

The system shall allow 39 access codes including 32 user codes, 1 master code, 2 duress codes, 2 supervisor codes, 1 installer code, and 1 maintenance code.

The system shall be uploadable/downloadable to allow programming and operation from a directly connected local computer, or from a remote computer over a regular telephone line. Remote access shall be controlled by the owner to prevent unauthorized access.

The system shall support a 300, 1200, 2400 or 4800 bps serial printer connected to the communications bus up to 1,000 feet (330m) from the control panel. The printer shall log all system events and transactions with time and date stamp. Information shall be stored in the system's 128 event buffer which can be examined from the LCD keypad or the via DLS software.

The system shall meet UL standards as required for type of application.