

DSC® Power 832®

Security System



Up to 12 Keypads

- up to 8 hardwired keypads and 4 wireless keypads
- 4 hardwired keypads available *with zone input...*
 - PC5508Z eight zone LED keypad
 - PC5516Z sixteen zone LED keypad
 - PC5532Z thirty two zone LED keypad
 - LCD5500Z alphanumeric keypad
- WLS910... wireless handheld keypad
- added wireless control is provided by ...
 - WLS908... wireless panic pendant
 - WLS909... wireless key

32 Zones Hardwired or Wireless ... 2 Partitions

Hardwired

- 8 zones on main panel
- PC5108 - 8 zone expansion module
- PC5108L - 8 zone expansion module *plus* Downlook video on Power832 PC5015 panel
- PC5100 - 32 zone addressable multiplexed loop interface module
- PC5700 *...Canada only* - 4 general purpose zones, 2 waterflow zones, 1 ground fault zone, *plus* dual supervised telephone lines
- PC5720 *...Canada only* - 5 general purpose zones, 2 waterflow zone, 1 ground fault zone, *plus* printer or DVACS communications

Wireless

- PC5132 - 32 zone wireless zone expansion module

14 PGM Outputs

- up to 5 high current outputs... 1 on main panel *plus* :
PC5204 - 4 output high current power supply module
 - 1 output fully supervised for siren output
- up to 9 low current outputs... 1 on main panel *plus* :
PC5208 - 8 low current output module

Advanced Communications

- supports all major formats including SIA and Contact ID
- LINKS1000™ cellular communication
- LINKS2150™ and LINKS2450™ long range radio communication
- DVACS communication using PC5400 or PC5720 modules
- Downlook video transmission using PC5108L module on Power832 PC5015 main control panel
- event initiated personal paging
- 3 phone numbers (3rd backs up primary number)
- 2 account numbers

Integrated Intercom Audio

- supports Central Station Two Way Voice and Home Intercom features using PC5928 audio interface module, PC5921 intercom stations, and PC5904 two way listen-in stations

Integrated CCTV

- supports Downlook still frame video transmission using PC5108L module on Power832 PC5015 main control panel
- provides local VCR/monitor video switching for 8 cameras

Integrated Voice Assisted Security & Home Automation

- Escort5580 & 5580TC provide voice assisted security *and* automation control for up to 32 X-10 devices *plus* thermostat control on 5580TC

Efficient Installation

- 4 wire communications bus (KEYBUS)
 - connect modules up to 1000' (305 m) from control panel
 - PC5204 - 4 output high current power supply module provides up to 1A auxiliary power
 - main panel provides up to 550 mA auxiliary power

- **PC5010 main control panel - alarm only**
- **PC5015 main control panel - alarm plus Downlook video capability**
- **support up to 32 zones using any combination of up to :**
 - 8 hardwire zones on main panel
 - 8 hardwire zones using PC5108L video matrix module
(on PC5015 only)
 - 4 general purpose hardwire zones and 2 waterflow hardwire zones using PC5700 fire module *(in Canada only)*
 - 24 hardwire zones using PC5108 eight zone expander modules
 - 8 keypad zones
 - 32 wireless zones using PC5132 wireless receiver module
- **zone programming**
 - all zones programmable as burglary or fire
 - zone options include : Normally Closed loop, Single End of Line (EOL) resistor, and Double EOL resistor⁽¹⁾
(⁽¹⁾keypad zones cannot be programmed as fire zones and cannot support Double EOL resistor supervision)
 - 27 programmable zone types, 8 programmable zone options
- **audible alarm output**
 - supervised bell output - 700mA @ 12VDC, PTC protected, current limited at 3A
 - steady, pulsed, temporal pattern, or strobe fire output
 - additional supervised siren output is available using PC5204 power supply module
- **programmable voltage outputs**
 - 1 high current 300mA PGM... can also be used for 2 wire smoke with a maximum of 20 detectors at 15mA per detector
 - 1 low current 50mA PGM
 - 8 additional low current PGM outputs using PC5208 module
 - 4 additional high current PGM outputs using PC5204 module
 - 24 programmable options
- **local PCLINK™ and remote upload/download capability**
 - program system using DLS software and direct PC connection to control panel or via remote PC over telephone line
 - view status and trouble conditions, and system 128 event buffer
 - remote access can be controlled by owner to prevent unauthorized access to system
- **power supply**
 - 550mA @ 12.5VDC auxiliary power (400mA for UL applications)
 - positive temperature coefficient (PTC) protected battery, AUX, and Bell output
 - electronic protection of KEYBUS
 - supervision of AC power loss, low battery, auxiliary power failure
 - internal clock locked to AC power frequency
- **EEPROM memory**
 - will not lose programming or system status on complete AC and battery failure
- **digital communicator**
 - supports all major formats including SIA & Contact ID
 - supports LINKS1000™ cellular communications
 - supports LINKS2150™ and LINKS2450™ long range radio communications
 - 3 phone numbers (3rd backs up primary)
 - 2 account numbers - DTMF or pulse dialing
 - DPDT line seizure - anti-jam feature
 - split reporting of selected events to each telephone number
 - event initiated personal paging
- **battery required** : 12V, 4Ah, rechargeable sealed lead acid
- **transformer required** : 16.5VAC, 40VA

System Operation

- **2 system partitions...** 2 account numbers
 - each partition acts as a separate alarm system with any number of zones, user codes, keypads and individually programmable features
- **38 - 4 or 6 digit access codes**
 - 32 user codes, 1 system master code, 2 partition master codes, 2 duress codes, and 1 maintenance code
- **automatic arming by partition**
 - each partition may be programmed to auto-arm at its own time each day
- **keypad lockout**
 - panel can be programmed to lockout keypad if a series of incorrect access code entries are made
- **'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
- **door chime**
 - programmable by zone
 - monitor a door by having keypad beep when the door is opened and again when door is closed
- **128 event buffer**
 - all events automatically stored with time and date stamp to buffer
 - events can be printed on-site using the PC5400 serial printer interface module, viewed through an LCD Keypad, or viewed and printed via PC using DLS software

Full Supervision

The system continuously monitors the following trouble conditions :

- **AC power failure**
- **fire trouble**
- **low battery**
- **loss of internal clock**
- **fail to communicate**
- **module fault (supervisory or tamper)**
- **camera troubles** *(on PC5015 with Downlook)*
- **trouble by zone**
- **telephone line trouble**
- **bell output trouble**
- **tamper by zone**
- **aux power supply fault**

False Alarm Prevention Features

- **audible exit delay**
- **quick exit**
- **swinger shutdown**
- **recent closing transmission**
- **double hit timer***
- **rotating keypress buffer**
- **audible exit fault**
- **urgency on entry delay**
- **cross zone alarm**
- **burglary verified timer***
- **communication delay**
- **arm/disarm bell squawk**

** on PC5015 v2.2x and higher*

LCD5500Z Plain Language Keypad



The Power832 security system is fully programmable from the attractive, easy to use dual-language LCD5500Z keypad :

- **connect up to 8 keypads, combination LED and/or LCD**
- **zone input**
 - connect detector to keypad to avoid separate wiring back to panel
- **multi-language** (*languages vary according to country*)
 - simple key entry to toggle between languages while viewing keypad
- **rotating keypress buffer reduces access code entry false alarms**
- **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
- **automatic scrolling of alarms in memory**
 - scrolls through alarms in memory while keypad is idle
- **12 hour or 24 hour clock display**
- **5 programmable function keys with 25 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
- **piezo buzzer**
 - provides audible feedback for correct key entries, pre-alert, and system trouble status
 - adjustable buzzer tone
- **connect to 4 wire KEYBUS up to 1000' (305 m) from control panel**
- **specifications**
 - current draw : 85mA with backlighting boost
 - dimensions : 5.75"W x 4.5"H x 1"D (144 x 114 x 25mm)

LED Keypads



The Power832 system is fully programmable from any of the attractive, easy to use, LED keypads :

- **3 keypads available :**

PC5508Z	8 zone LED keypad
PC5516Z	16 zone LED keypad
PC5532Z	32 zone LED keypad
- **zone input**
 - connect detector to keypad to avoid separate wiring back to panel
- **rotating keypress buffer reduces access code entry false alarms**
- **5 programmable function keys with 25 options such as Home Arm, Away Arm, Quick Exit etc.**
- **LED indicators :** Ready, Armed, Trouble, Memory, Bypass, Fire, Program
- **4 keypad-activated alarms...Panic, Auxiliary, Fire, 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... with adjustable buzzer tone
- **connect to 4 wire KEYBUS up to 1000' (305m) from control panel**
- **specifications**
 - current draw : 85mA with backlighting boost
 - dimensions : 5.75"W x 4.5"H x 1"D (144 x 114 x 25mm)

PC5400 Printer Interface Module



- **both PC5400 and PC5400DV may be used at the same time on a system**
- **provides RS232 serial printer connection for report of events logged to the system event buffer... prints event, partition, time, and date that event occurred**
- **supports any 300, 1200, 2400 or 4800 BPS serial printer**
- **connect printer up to 200' (61m) from PC5400**
- **connect PC5400 up to 1000' (305m) from control panel via KEYBUS**
- **current draw : 65 mA @ 12VDC**
- **maximum one module per system**

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PC5400DV - DVACS Interface Module

- both PC5400 and PC5400DV may be used at the same time on a system
- provides ULC Level 3 Line Security.
- provides full DVACS reporting of all system events.
- module is pre-programmed to SIA zone definitions
- events simultaneously communicated via DVACS and other installed communications mode such as digital or cellular
- full cross supervision between the system control panel and the DVACS module e.g... problems with one will be communicated to the central station by the other.
- central station requires Sur-Gard receiver with DVL2A version 2 or higher software.
- complete with 8 pin jack, and communications and power cables for connection to F1/F2 subset.
- connect up to 1000' (305 m) from control panel via KEYBUS
- module current draw : 65mA @ 12VDC

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Hardwired Expansion

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PC5108 - 8 Zone Expansion Module

- adds 8 hardwired general purpose burglary or fire zones
- provides 100mA @ 12VDC auxiliary current, PTC protected
- connect up to 1000' (305 m) from control panel via KEYBUS
- module current draw : 35mA @ 12VDC

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PC5100 - 32 Zone Addressable Loop Interface Module

- add 32 DSC addressable devices on a 2-wire multiplexed loop. Devices include :
 - AMA-100... glassbreak detector
 - AMS-220 series... photoelectric smoke detectors
 - AMB-300... PIR motion detector
 - AMB-500... ceiling mount 360° PIR
 - AMB-600... dual element pet immune PIR
 - AMP-700 series... contact modules
- connect up to 1000' (305 m) from control panel via KEYBUS
- module current draw : 40mA @ 12VDC
- addressable loop maximum current draw : 170mA @ 12VDC
- compatible with PC5010 v2.x and PC5015 v2.x or higher

832 ...Canada only

PC5700 Fire Zone Expansion Module

- a zone expansion module which provides :
 - dual supervised telephone lines
 - 2 Class A supervisory waterflow zones
 - ground fault detection zone
 - 4 general purpose fire or burglary zones
- tamper and trouble reporting codes
- connect up to 1000' (305 m) from control panel via KEYBUS
- module current draw : 150mA @ 12VDC

832 ...Canada only

PC5720 Fire / Printer / DVACS Module

- a zone expansion module which can also be used to provide either a serial printer or DVACS communications interface

• 8 zone inputs include :

- 2 Class A supervisory waterflow zones
- ground fault detection zone
- 5 general purpose fire or burglary zones

• as RS232 printer interface :

- baud rates... 300, 1200, 2400, 4800
- connect printer up to 200' (61 m) from the PC5720 module

• as DVACS interface : same as PC5400DV

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Wireless Expansion

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PC5132 Wireless Receiver



• add up to 32 DSC wireless detectors* including :

- WLS904 passive infrared alarm
- WLS906 photoelectric smoke alarm
- WLS907 universal transmitter/contact
- WLS912 glassbreak detector
- WLS914 dual element pet immune PIR
- WLS915 door/window contact
- WLS917 recessed door/window contact

• 900 MHz true 'Spread Spectrum' technology, fully supervised for communication integrity

- easy sensor enroll process
- supervisory transmissions every 12 minutes
- programmable 1-24 hr supervisory window
- connect up to 1000' (305 m) from control panel via KEYBUS
- module current draw : 130mA @ 12VDC

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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 alarm 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 Hand-Held Keypad

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

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Integrated Voice Assisted Security & Home Automation



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ESCORT 5580 Voice Assisted Security & Automation Control Module

- turns any touch-tone phone into a fully functional keypad with Global and Partition control
- built-in power line interface for control of 32 X-10 automation control devices
 - 16 schedules with On Time, Off Time, and Day of Week
 - 8 user controlled automation modes
 - full range of dimming levels for lighting control
 - event activated control for any PGM output supported by the main panel
- an extensive library of voice prompts for security and automation operation, programming, and system status feedback
 - 250 system words for pre-programmed system functions
 - 240 word library for user programmable voice prompts for Automation Item Labels, Automation Mode Labels, Partition Labels, and Zone Labels
- program up to 6 words per voice label
- powerful 'say number' command can announce numbers from 0-999 in three different ways
- connect up to 1000' (305m) from control panel via KEYBUS
- module current draw : 150mA @ 12VDC

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ESCORT 5580TC

- all the features of the Escort 5580 plus thermostat control
- supports up to four EMS-100 thermostats
- EMS-100 has 4 temperature control modes :
 - day occupancy mode
 - night occupancy mode
 - auxiliary occupancy mode
 - away occupancy mode
- each thermostat optionally supports :
 - up to six EMS-IDS remote indoor temperature sensors for interior temperature averaging
 - one EMS-ODS outdoor temperature sensor for display of outdoor temperature

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Integrated Intercom Audio Interface



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PC5928 Audio Interface Module with PC5921 Series Intercom Stations & PC5904 Two Way Listen-In Stations



PC5921 Internal Intercom Station

also available :

PC5921EXT...external intercom station

PC5921EXT/R...external intercom station with relay for operation of existing door bell

- **PC5928 Audio Interface Module**
 - provides 7 output ports for connection of PC5921 Series Intercom Stations
 - connect up to 1000' (305m) from control panel via KEYBUS
- **local intercom functions :**
 - page/answer
 - do not disturb
 - doorbell function
 - door strike release
- **listen-in broadcast** ...allows any station to be programmed as a 'broadcast station' to which all other internal stations in the system may listen in
- **programmable as sounder for fire/burglar alarms**
- **answer telephone calls received on regular voice line**
 - ringing programmable by station
 - 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
- **PC5904 central station 2-way listen-in station**
 - programmable control tones (from central station)
 - select zone, listen/talk, extend on-line time, hang up

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Integrated CCTV

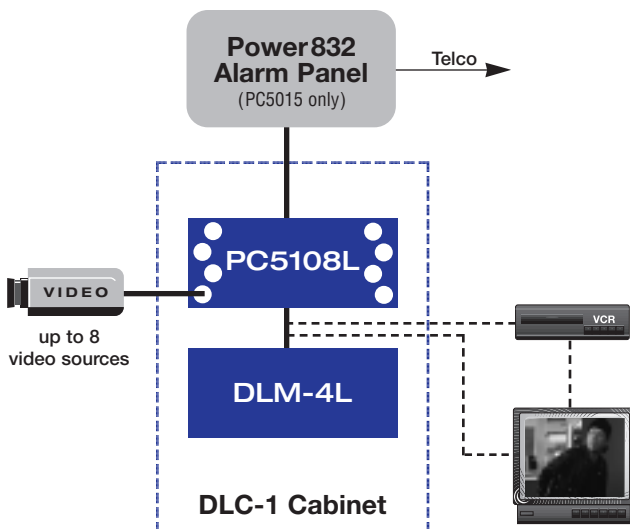


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PC5108L Downlook Interface Module

for PC5015 only

- provides an interface between the PC5015 alarm control panel and the Downlook DLM-4L still frame video transmission module
- communicates alarm followed by video over a single telephone line in one transmission to a Sur-Gard MLR2 digital receiver
- 8 inputs for video cameras, VCRs, or video switchers
- 8 general purpose burglary or fire alarm zone inputs
- any alarm zone (up to 32) or group of zones can be programmed to initiate video capture of 4 frames from any 4 sources - in any sequence
- programmable on-site sequential video switcher mode
 - view and capture images on a monitor / VCR setup
 - select cameras for viewing manually using an LED keypad or program system to switch automatically between selected cameras at programmed dwell times
- supervised by main panel
- programmable via downloading using modem or direct PC-Link
- connect up to 1000' (305m) from control panel via KEYBUS
- module current draw : 60mA @ 12VDC



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PGM Output Expansion

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PC5204 Power Supply / High Current Output Module

- provides 1A @ 12.5VDC auxiliary power for additional modules and devices
- includes 4 fully programmable high current outputs
 - rated at 1A @ 12VDC, PTC protected
 - will provide 3A short term if battery backup connected
 - each output can sink up to 3A
- output #1 may also be used as a supervised bell output
 - 700mA max
- each output programmable to activate for any of 24 options
- connect up to 1000' (305m) from control panel via KEYBUS
- fully supervised for : tamper, low battery, AC power loss, and auxiliary power trouble
- maximum 1 module per system
- module current draw : 20mA @ 12VDC
- battery required : 4Ah minimum
- transformer required : 16.5VAC, 40VA

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PC5208 Low Current Output Module

- module provides 8 low current transistor switch outputs
 - each output can sink up to 50mA
 - up to 250mA max at one time
- each output programmable to activate for any of 24 options
- connect up to 1000' (305m) from control panel via KEYBUS
- fully supervised for tamper
- maximum 1 module per system
- module current draw : 20mA @ 12VDC

— Note —

Power832 Engineer's Specifications are available on :

- separate copy
- DSC's web site 'www.dscsec.com'