Up to 12 Keypads

- up to 8 hardwired keypads and 4 wireless keypads
- 4 hardwired keypads available with zone input...
  - P832-08Z eight zone LED keypad
  - P832-16Z sixteen zone LED keypad
  - P832-32Z thirty two zone LED keypad
  - P832-LCDZ alphanumeric keypad
- PWLS910… wireless handheld keypad
- added wireless control is provided by ...
  - PWLS908…wireless panic pendant
  - PWLS909…wireless key

32 Zones Hardwired or Wireless ... 2 Partitions

Hardwired

- 8 zones on main panel
- 8 keypad zones
- P5108 - 8 zone expansion module
- P5108L - 8 zone expansion module plus Download video on P-832DL panels
- P5100 - 32 zone addressable multiplexed loop interface module
- P5700 …Canada only - 4 general purpose zones, 2 waterflow zones, 1 ground fault

Advanced Communications

- supports all major formats including SIA and Contact ID
- LINKS1000™ cellular communication
- LINKS2150™ and LINKS2450™ long range radio communication
- DVACS communication using P5400 or P5720 modules
- Download video transmission using P5108L module with the P-832DL 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 P5928 audio interface module, P5922 intercom stations, and P5904 two way listen-in stations

Integrated CCTV

- supports Downlook still frame video transmission using P5108L module with the P-832DL main control panel
- provides local VCR/monitor video switching for 8 cameras
zone, plus dual supervised telephone lines
- P5720 … Canada only - 5 general purpose zones, 2 waterflow zone, 1 ground fault zone, plus printer or DVACS communications

**Wireless**
- P5132 - 32 zone wireless zone expansion module

**14 PCM Outputs**
- up to 5 high current outputs… 1 on main panel plus:
  - P5204 - 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:
  - P5208 - 8 low current output module

**Integrated Voice Assisted Security & Home Automation**
- P5580 & P5580TC Escort provide voice assisted security and automation control for up to 32 X-10 devices plus thermostat control on the P5580TC

**Efficient Installation**
- 4 wire communications bus (KEYBUS)
  - connect modules up to 1000’ (305m) from control panel
  - P5204 - 4 output high current power supply module provides up to 1A auxiliary power
  - main panel provides up to 550mA auxiliary power

**P-832/P-832DL Main Control Panels**
- P-832 main control panel - alarm only
- P-832DL 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 P5108L video matrix module (on P-832DL only)
  - 4 general purpose hardwire zones and 2 waterflow hardwire zones using P5700 fire module (in Canada only)
  - 24 hardwire zones using P5108 eight zone expander modules
  - 8 keypad zones
  - 32 wireless zones using P5132 wireless receiver module

**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

- 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 (t)
  - 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 P5204 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 P5208 module
  - 4 additional high current PGM outputs using P5204 module
  - 24 programmable options
- local PCLINK™ and remote upload/download capability
  - program system using Comm-Link 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
- 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 P5400 serial printer interface module, viewed through an LCD Keypad, or viewed and printed via PC using Comm-Link DLS software

Full Supervision

The system continuously monitors the following trouble conditions:
- AC power failure
- trouble by zone
- fire trouble
- telephone line trouble
- low battery
- bell output trouble
- loss of internal clock
- tamper by zone
- fail to communicate
- aux power supply fault
- module fault (supervisory or tamper)
- camera troubles (on P-832DL with Downlook)

False Alarm Prevention Features
- audible exit delay
- audible exit fault
- 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

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

* on P-832DL v2.2x and higher

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**Interfaces & Expansion Modules**

**P832-LCDZ Plain Language Keypad**

The P-832 security system is fully programmable from the attractive, easy to use dual-language P832-LCDZ keypad:

**LED Keypads**

The P-832 system is fully programmable from any of the attractive, easy to use, LED keypads:

3 keypads available:
- **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)**
  - 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 P5204 power supply module
  - 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...Panic, Auxiliary, Fire, and Duress**

- **LED indicators**: Ready, Armed, Trouble, Memory, Bypass, Fire, Program

- **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 1,000' (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)

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**P5400 Printer Interface Module**

- both P5400 and P5400DV 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

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http://www.partnerproducts.com/p-832/p-832.htm

10/24/2004
- 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 1,000' (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)

- Supports any 300, 1200, 2400 or 4800 BPS serial printer

- Connect printer up to 200' (61m) from P5400

- Connect P5400 up to 1,000' (305m) from control panel via KEYBUS

- Current draw: 65mA @ 12VDC

- Maximum one module per system

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**P5400DV - DVACS Interface Module**

- Both P5400 and P5400DV 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

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**P5720 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 ClassA 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’ (61m) from the P5720 module

- As DVACS interface: same as P5400DV

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http://www.partnerproducts.com/p-832/p-832.htm
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 1,000’ (305m) from control panel via KEYBUS
- module current draw: 65mA @ 12VDC

**Hardwired Expansion**

**P5108 - 8 Zone Expansion Module**

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

**P5100 - 32 Zone Addressable Loop Interface Module**

- add 32 DSC addressable devices on a 2-wire multiplexed loop. Devices include:
  - Partner AMA-100... glassbreak detector
  - Partner AMS-220 series... photoelectric smoke detectors
  - Partner AMB-300... PIR motion detector
  - Partner AMB-500... ceiling mount 360° PIR
  - Partner AMB-600... dual element pet immune PIR
  - Partner AMP-700 series... contact modules
- connect up to 1,000’ (305m) from control panel via KEYBUS
- module current draw: 40mA @ 12VDC
- addressable loop maximum current draw: 170mA @ 12VDC
- compatible with P-832v2.x and P-

**Wireless Expansion**

**P5132 Wireless Receiver**

- add up to 32 DSC wireless detectors* including:
  - PWLS904 passive infrared alarm
  - PWLS906 photoelectric smoke alarm
  - PWLS907 universal transmitter/contact
  - PWLS912 glassbreak detector
  - PWLS914 dual element pet immune PIR
  - PWLS915 door/window contact
  - PWLS917 recessed door/window contact
- 900MHz true ‘Spread Spectrum’ technology, fully supervised for communication integrity
- easy sensor enroll process
- supervisory transmissions every 12 minutes
- programmable 1-24hr supervisory window
- connect up to 1,000’ (305m) from control panel via KEYBUS
- module current draw: 130mA @ 12VDC

**Wireless Control Devices**

- PWLS908 Wireless Panic Pendant
  - communicates a non-medical alarm to central station
832DLv2.x or higher

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' (305m) from control panel via KEYBUS
- module current draw: 150mA @ 12VDC

PWLS909 Wireless Key
- remote arm/disarm control
- up to 16 keys per system
- 3 photo/electronic 1.5V batteries included

PWLS910 Wireless Hand-Held Keypad
- personal remote keypad
- up to 4 wireless keypads per system (in addition to hardwired keypads)
- 3 'AAA' batteries included

PWLS909 Wireless Key
- 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

also available:
P5922EXT...external intercom

http://www.partnerproducts.com/p-832/p-832.htm

10/24/2004
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

P5580TC Escort
- all the features of the P5580 Escort 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-ITS remote indoor temperature sensors for interior temperature averaging
  - one EMS-OTS outdoor temperature sensor for display of outdoor temperature
P5108L Downlook Interface Module

- provides an interface between the P-832DL 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

P5204 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

P5208 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 1,000’ (305m) from control panel via KEYBUS
- module current draw: 60mA @ 12VDC

- 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 ---

**P-832 Engineer’s Specifications** are available on separate copy and on the Partner web site

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