Partner
SECURITY PRODUCTS™

Partner

P-832

8-32 ZONE EXPANDABLE HYBRID SECURITY SYSTEM

residential to
mid-size commercial applications

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 Downlook 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**
- ✎ **Downlook 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 PGM 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 *(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 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

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 alarm: Fire, Auxiliary, Panic, and Duress**

- ✎ **3 LED indicators: Ready, Armed and Trouble**
  - allow system status to be viewed at a glance

P832-08Z...	8 zone LED keypad
P832-16Z...	16 zone LED keypad
P832-32Z...	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 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)

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**

- ? **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**

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**

...Canada only
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

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

...Canada only

P5700 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' (305m) from control panel via KEYBUS**

- ✍ **module current draw:** 150mA @ 12VDC

- 32 pendants maximum…each occupying 1 alarm zone
- sealed non-replaceable battery

✍ **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

Integrated Voice Assisted Security & Home Automation

P5580 Escort 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

Integrated Intercom Audio Interface

P5928 Audio Interface Module with P5922 Series Intercom Stations & P5904 Two Way Listen-In Stations

P5922 Internal Intercom Station

also available:
P5922EXT…external intercom

- 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

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

station
P5922EXT/R…external intercom station with relay for operation of existing door bell

? **P5928 audio interface module**
  - provides 7 output ports for connection of P5922 Series Intercom Stations - connect up to 1,000' (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 P5580 Escort Voice Prompt Module and keypads mounted with P5922 Intercom Stations

? **P5904 central station 2-way listen-in station**
  - programmable control tones (from central station)
  - select zone, listen/talk, extend on-line time, hang up

Integrated CCTV

P5108L Downlook Interface Module
for P-832DL only

- ? **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**
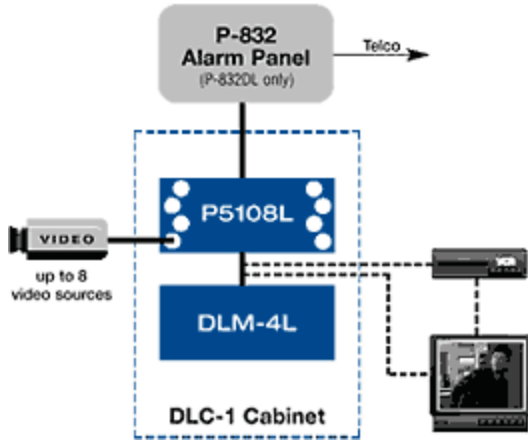
PGM Output Expansion

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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