



An **economical** hardwire/wireless control panel that works **seamlessly** with all standard Gemini keypads and wireless – **the GEM-P816!**

- 8 hybrid zones on-board including two 2-wire fire zones
- With multiplexing, can accommodate up to 16 EOL zones (from alpha keypads or multiplex modules, including the new low-cost GEM-EZM4/8 Expansion Module).
- Up to 16 users
- Uses all the standard Gemini crystal-control wireless – proven to outperform leading competitive brands in independent tests!
- Comes in convenient, money-saving paks

#### Gemini keypads compatible with the GEMP816

	K1CA	K2AS	K3DGTL	K4RF	K4	RP1CAe2	RP2ASe2	RP3DGTL	RP8LCD	RP8/K800
GEMP816	•	•	•	•	•	•	•	•		



# Gemini™ P816 zone hybrid control

## FEATURING:

- 8 Hybrid zones on-board (hardwire or wireless), including 2 2-wire fire zones
- Up to 16 EOL zones with multiplexing (zones from RP1CAe2 alpha keypads or multiplex expansion modules)
- Uses low-cost GEM-EZM4/8 or 8-zone GEM-EZM8 expansion modules
- Up to 16 users
- Supports choice of up to 7 Gemini keypads
- 256 event logging
- 3 outputs
- Interior bypass group
- Choice of Gemini™ RF receivers
- Event log with open/close suppression
- Supports GEM-EVA Voice Annunciator and Wizard™IIe Talking Phone-In Interface Module
- Includes transformer

## SPECIFICATIONS:

- Input Power 16.5VAC via Class 2 Plug-in 20 VA transformer
- Aux & remote power 12Vdc regulated
- 500 mA standby current rating with 20VA transformer, supplied
- 650 mA standby current rating with optional 40VA trans. 650mA
- Alarm current 2A
- Loop Resist. 300 ohm max.; 50 ohm max for 2-wire fire
- Burg. Voltage Output -1; programmable negative outputs -2
- Operating temp. 0-49 degrees C.
- Communication formats: Ademco Point ID, Silent Knight Fast/Slow, Radionics Fast/Slow, Univeral High Speed, SIA and Pager.

## ORDERING INFORMATION:

- **GEM-P816** GEM-P816 control and transformer.
- **816PERFFPAK** GEM-P816 control, GEM-RP3DGTL digital keypad and transformer.
- **816PERFFPAKPLUS** GEM-P816 Control, GEM-RP3DGTL digital keypad, interior siren, jack & cord, 4Ah 12V Battery, PIR1710 70' x 60' PIR detector and transformer.
- **816PREMPAK** GEM-P816 control, GEMRP1CAE2 alpha keypad & transf.
- **K816PREMPAK** GEM-P816 control, GEMK1CA alpha keypad and transformer
- **K816PERFFPAK** GEM-P816 control, GEM-K3DGTL digital keypad and transformer.
- **K816RFPK ALPHA KEYPAD/RECEIVER PAK** GEM-P816 control, GEM-K4RF fixed alpha keypad/receiver and transformer.

Compatible with these standard **Gemini keypads**



**GEM-K1CA**  
4 built-in zones



**GEM-K2AS**



**GEM-K3DGTL**



**GEM-K4/K4RF**  
with RF receiver



**GEM-RP1CAe2**  
4 built-in zones



**GEM-RP2ASe2**



**GEM-RP3DGTL**

Seamlessly supports **all**  
Gemini wireless transmitters  
using standard receivers





P1632

## The Gemini **P1632** hardwire/wireless control panel with **partitioning. Easy to standardize on.**

- 8 hybrid zones on-board including two 2-wire fire zones
- With multiplexing, can accommodate up to 32 EOL zones (from alpha keypads or multiplex modules, including the low-cost GEM-EZM4/8 Expansion Module).
- Programmable partitioning for 2 areas
- Up to 32 users
- Uses all the standard Gemini crystal-control wireless – proven to outperform leading competitive brands in independent tests!
- New! “EZ Programming 2” Ultra Easy Keypad Programming at either Custom Alpha Keypad: No address locations to know; no Hex to calculate; Just answer questions as they appear in the keypad’s display. Direct-enter data like your dialing a phone or just answer Yes or No.

### Gemini keypads compatible with the GEMP1632

	K1CA	K2AS	K3DGTL	K4RF	K4	RP1CAe2	RP2ASe2	RP3DGTL	RP8LCD	RP8/K800
GEMP1632	•	•	•	•	•	•	•	•		

Gemini



Manufacturing great security products is all we do. *It's that simple.™*



# Gemini™ P1632 zone hybrid control

The Gemini™ GEM-P1632 Hybrid 8 to 32-Zone Control/Communicator features 8 zones expandable to 32 zones with (multiplexing) assignable to either of two areas. Supporting up to 32 user codes, 8 relays, and X-10 support, the GEM-P1632 powerhouse has it all, wireless or hardwire! The panel supports all reliable, crystal-control Gemini Wireless, proven in independent tests to outperform the top competitive brands.

- 8 Hardwire/Wireless Zones on Board.
- Up to 32 zones with multiplex expansion including 2 2-wire fire zones (7;8)
- Uses economy GEMEZM4/8 Zone Expansion Module (or standard GEMEZM8).
- "Self-Programming Plus 2" menu-driven self-programming mode with either custom alpha keypad, GEMRP1CAe2 or KA1CA (with Stay and Away keys).
- Fuseless maintenance-free operation
- Up to 32 user codes.
- Up to 2 areas; partitionable by area.
- 3 on-board outputs, up to 16 external relay outputs (RM3008s).
- Up to 2 RF receivers
- Interior bypass group with programmable automatic interior bypass.
- Up to 8 X-10 devices supported for 16 different events.
- 255 event schedule.
- 400 event log.
- Auto Arm.
- Uses up to 7 of any of the Classic or K-Series Stay & Away keypads: custom alpha/icon or digital keypads (as shown on right).
- Programmable Telco line cut supervision with delay.
- 3 keypad panic (F, P, A)
- Major communicator formats, including: 4/2, SIA, 4+2 and Point ID, plus pager.
- Backup/double/split reporting; three 20-digit telephone numbers.
- Dynamic battery test.
- Reports alarms, restores and troubles by zone.
- 2 programmable entry delay times.
- Chime by zone.
- 8 EOL burglary zones programmable for area, E/E delay, interior, follower, day zone, chime, fire options, sensor watch, swinger shutdown, cross zoning, etc.
- Multiplex Expandability with GEMEZM4/8 or GEMEZM8 zone expansion modules
- Quickloader up/downloading, including unique unattended method
- Choice of 8 or 16 pt Gemini RF receivers or keypad/receiver
- Event log with open/close suppression
- Supports Wizard™ IIe Talking Phone-In interface module

**Output power amps:** (with 20VA transformer included) 500mA/2A; with optional 40VA trans 650mA/2A.

**Operating temp:** 0 - 49 degrees C.

**Input power:** 16.5VAC via Class 2 plug-in 40VA transformer

**Loop voltage:** 10-13Vdc

**Loop current:** 2.5mA with 2.2k ohm EOLR; 5mA for 2-wire fire

**Loop resist.:** 300 ohm max.; 50 ohm max for 2-wire fire

**Aux & remote power:** 12Vdc regulated

**Combined standby current:** 650mA

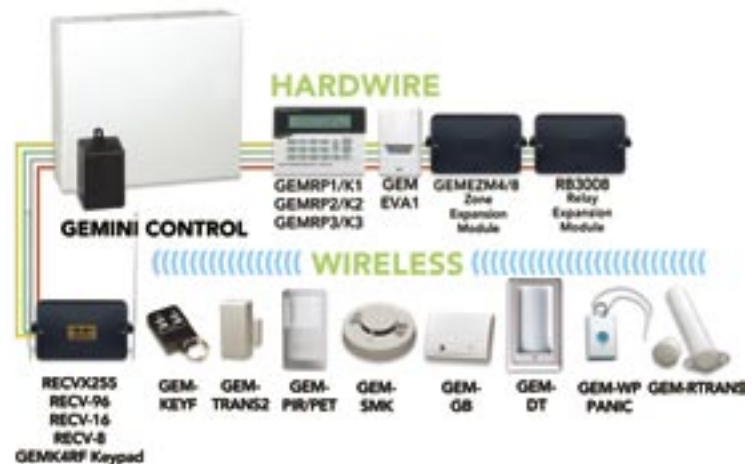
**Alarm current:** 2A

**Burg. voltage output:** 1; **Programmable negative outputs:** 2

**UL Listed. CPO1 compliant models available.**

## CONVENIENT 1632 PACKAGES:

- **GEM-P1632** GEM-P1632 control and transformer
- **1632PROPAK** GEM-P1632 control, GEM-RP3DGTL digital keypad and transf.
- **1632INTROPAK** GEM-P1632 control, GEMRP1CAE2 alpha keypad & tranf.
- **K1632INTROPAK** GEM-P1632 control, GEMK1CA alpha keypad with Stay & Away keys; transformer.
- **K1632PROPAK** GEM-P1632 control, GEM-K3DGTL digital keypad with Stay & Way keys; transformer.
- **K1632RFPK ALPHA KEYPAD/RECEIVER PAK** GEM-P1632 control, GEM-K4RF fixed alpha keypad/receiver and transformer.



Compatible with these standard **Gemini keypads**



**GEM-K1CA**  
4 built-in zones



**GEM-K2AS**



**GEM-K3DGTL**



**GEM-K4/K4RF**  
with RF receiver



**GEM-RP1CAe2**  
4 built-in zones



**GEM-RP2ASe2**



**GEM-RP3DGTL**



# Gemini P3200



NAPCO's Gemini™ **GEM-P3200** a popular, all-around 8 zone hybrid control expandable to 32 zones or 48 wireless points.



Gemini keypads compatible with the GEMP3200

	K1CA	K2AS	K3DGTL	K4RF	K4	RP1CAe2	RP2ASe2	RP3DGTL	RP8LCD	RP8/K800
GEMP3200	•	•	•	•	•	•	•	•		

Gemini 

# Gemini™ P3200 zone hybrid control

## Control panel features

- 8 End-of-line-resistor burglary zones programmable for area, exit/entry delay, interior, follower, day zone, chime, fire options, sensor watch, swinger shutdown, zone arming and a variety of other features
- Up to 48 points of up to 32 zones with optional zone-expansion modules 4- zone keypad EZMs (built-in)
- Including up to 2 2-wire fire zones
- Up to 32 individually coded users, each with a programmable authority level
- 3 on-board relay outputs, expandable 24 external relay outputs
- 3 keypad panics: fire, police & auxiliary
- 2 independent area partitions
- Up to 7 separate access stations by up to 32 users
- Up to 24 separately-addressable X-10 devices with the GEM-X10KIT
- English-language prompts & system status messages from choice of keypad (8) models
- User-customized zone descriptions, reprogrammable as required
- 2-wire and 4-wire smoke detectors
- Reports alarms, restores and troubles by zone
- 255 event schedule
- 800 event log
- Overview mode permits monitoring and control of total system from one keypad
- 2 programmable entry delay times
- Interior-bypass group
- Dynamic battery test interrupts charging and places battery under load every four hours
- Chime by zone; programmable duration
- Non-volatile RAM retains memory during power losses
- Quickloader™ programmable
- Auto-Download Log
- Exclusive V.A.L.I.D.™ feature (Verifying Automatic Line Integrity Diagnostic) reduces false alarms due to changes in line resistance

## Communicator features

- Compatible with all major receiver formats, including BFSK, 4/2, Modem 2, SIA, 4/3/1, 4 + 2 Express and Point ID
- Rotary dial and TouchTone™ with Rotary backup
- 3 20-digit telephone numbers
- Backup reporting, double reporting; split reporting

- 32 User codes with opening/closing reporting by user
- AC failure reporting with programmable report delay
- Supervised telephone line cut with programmable delay
- Pager capability

## Specifications

- Operating temperature: 0-49°C (32-120°F)
- Input power: 16.5Vac via Class 2 Plug-In 40VA transformer
- Loop voltage: 10-13Vdc
- Loop current: 2.5mA with 2.2ohm end-of-line resistor (model EOL2.2K); 5mA for 2-wire smoke-detector zones
- Loop resistance: 300W max.; 50W for 2-wire smoke detector zones
- Relay outputs (burglary; reset; aux): wet, 12Vdc, 1.2A max.; dry (cut related jumper for dry contacts), SPDT contacts 24Vdc, 2A, 0: 6 PF
- Auxiliary power output: 12Vdc regulated
- Remote power output: 12Vdc regulated (for keypads)
- 650 mA combined standby current (remote power + aux. power + reset relay power)
- Standby time: residential fire/burglary & commercial burglary, 4 hours min.
- EZM module: GEM-EZM8: Input, 50mA (including PGM output. PGM output: 5mA, 12V special application
- Keypad current: GEM-RP1CAe2: 100mA; 35mA if backlighting is disabled (cut W1, W2 & W3) PGM Output: 5mA, 12V special application
- Maximum number of keypads: 7. Maximum wiring length for each run (#22AWG): 1000' divided by total number of keypads & EZMs on run
- Designer keypad dimensions: 4 3/8" x 5 7/8" x 1 1/6" (HWD); 11.1cm x 14.9cm x 2.7cm (HWD)

## Optional Accessories And Peripherals

- GEM-EVA: electronic voice annunciator - unique consumer aid. "Talks" users through system operation
- VERI-PHONE: Two-way voice/listen-in module

- WIZARD IIe: Talking alarm/appliance remote controller works through any touch-tone phone
- GEM-REC8: Wireless receiver, 8 points
- GEM-REC16: Wireless receiver, 16 points
- GEM-REC96: Wireless receiver, 96 points
- GEM-TRANS2: Window/door transmitter, 2-point
- GEM-KEYF: Keyfob transmitter
- GEM-SMK: Wireless smoke detector
- GEM-PIR: Wireless PIR, 50x50'
- GEM-PIRPET
- GEM-RTRANS
- GEM-DT: Wireless Adaptive® Dual Technology sensor, 40x40'
- GEM-GB: Wireless glass break detector
- GEM-WP PANIC: Waterproof panic button/pendant
- RM3008: Relay module
- M278: Line-reversal module
- PS3002: Power-supply module, 13.2Vdc, 1.9A
- EOL130: 2-wire fire zone resistor, 130ohm, 3ohm
- EOL2.2K: End-of-line resistor assembly, 2.2ohm for fire circuit
- FT2200: End-of-line relay/resistor supervisory module
- RB1000: Relay board
- RBAT4: Rechargeable battery, 12Vdc, 4AH
- RBATH1: Dual battery harness
- RPB-3: Universal junction box
- TRF11: Transformer, 16Vac/40VA, Class 2
- WL1: Wire assembly with lug connector
- PCD3000: Downloading software for IBM PC-compatible
- PC12000/3000: Software with interface for IBM-compatible computer
- PCI-MINI: Notebook computer interface
- OI163: Instruction manual
- WI818: Programming manual

## ORDERING INFORMATION

- GEM-P3200: Hybrid control panel & transformer
- GEM-P3200M: Mercantile version of above
- GEM-EZM8: 8-zone expansion zone module

Compatible with these standard **Gemini keypads**



**GEMK1CA**  
4 built in zones



**GEMK2AS**



**GEMK3DGTL**



**GEMK4/K4RF**



**RP1CAe2**  
4 built in zones



**GEMRP2ASe2**



**GEMRP3DGTL**



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