



GEM-DK1CA

GEM-K1VPS

## New Gemini **P1664** ultra panel, 8 to 64 zones, 4 partitions and 64 users

- 8 hybrid zones on-board including two 2-wire fire zones in large, locking enclosure (12.5" x 14" x 3.75")
- With multiplexing, can accommodate up to 64 EOL zones (from alpha keypads or multiplex modules, including the low-cost GEM-EZM4/8 Expansion Module).
- Programmable partitioning for 4 areas
- Up to 64 users
- Uses all the standard Gemini crystal-control wireless
- Uses all the standard Gemini keypads, new DK-Series door-style keypads and multifunction VPS Series talking keypads (shown above)
- **Two money-saving paks** with custom alpha door keypad **GEMP1664DK1PK**; or with multifunction GEMK1VPS keypad with built-in talking voice, PIR and UL siren, **GEMP1664VPSPK**

### Gemini keypads compatible with the GEMP1664

	DK1CA	DK3DGTL	K1VPS	K1CA	K2AS	K3DGTL	K4RF	K4	RP1CAe2	RP2ASe2	RP3DGTL
GEMP1664	•	•	•	•	•	•	•	•	•	•	•



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

# GEM-P1664 zone hybrid control

The GEM-P1664 Hybrid 8 to 64-Zone Control/Communicator features 8 zones expandable to 64 zones with multiplexing and supports all standard Gemini RP and K-Series Keypads, plus new Gemini DK-Series Door-Style Keypads and new VPS Series talking multifunction keypads, as well as reliable, NAPCO Gemini crystal-control transmitters and receivers, too. Supporting up to 64 user codes and 16 relays, the GEM-P1664 control features easy menu driven Self-Programming Plus keypad programming (for all zones), which includes new alpha keypad question-prompts, even for setting test timer, fire zones and exit/entry and follower zones. Additionally, the panel can be remote up/downloaded using easy-to-use NAPCO Quickloader Software.

## FEATURES

- 8 Hardwire/Wireless Zones on board
- Up to 64 zones with multiplex expansion including 2 two 2-wire fire zones
- With multiplexing, can accommodate up to 64 EOL zones (from custom alpha keypads or multiplex modules)
- EZ Programming 2 More comprehensive, menu-driven programming for all zones plus test timer.
- Up to 64 user codes
- Up to 4 areas
- 3 on-board outputs, up to 16 external relay outputs (RM3008s).
- Up to 2 NAPCO helically-filtered, crystal-control RF receivers
- Interior bypass group with programmable automatic interior bypass
- 400 event log
- Auto Arm
- Uses up to 7 of any of the Classic/RP-, K-Series or DK-Door Style Stay & Away keypads
- Programmable telephone line cut supervision with delay
- 3 Keypad panics (F, P, A)
- Supports all 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 GEM EZM4/8 or GEM EZM8 zone expansion modules
- Quickloader up/downloading, including unique unattended method
- Choice of RF receivers
- Partitioning by area
- Event log with open/close suppression
- Event log viewable at keypad (total log, burglar alarm log, fire alarm log, system trouble log, o/c log)
- Cellphone-style keypad programming of zone descriptions (text)
- Programmable 50Hz Clock Setting
- Programmable Daylight Savings Time
- Programmable Security Bypass (code required for bypass)
- Un-Bypassing while disarmed (code required)
- Temperature Display at Keypad (-30 to 60°C Celsius or -22 to 140°F Fahrenheit) with optional GEM-TEMP64 Indoor/Outdoor Temperature Sensor (Note: Keypad Temperature Display replaces Date on Display and is for use with custom alphanumeric keypads, only, i.e., DK1, K1, RP1)
- Programmable High/Low Temperature Alarm Reporting (requires feature enabled; zone 6)
- 24 Hour day zone trouble
- Programmable Swinger Shutdown (2 or 3 activations – selectable)
- Zone Anding/Cross Zoning (Grouping of zones in which sequential zone activation is required to generate an alarm)

## SPECIFICATIONS

**Input Power:** 16.5-18.0 VAC via Class 2 Plug-In 20VA, 40VA or 50VA Transformer

**Loop Current:** 3mA; 5mA for 2-wire smoke-detector zones

**Loop Resistance:** 300 Ohm max.; 50 Ohm for 2-wire smoke detector zones

**Alarm Voltage Output:** 1; Programmable Negative Outputs: 2

**Auxiliary Power Output:** 11.7-12.5 VDC

**Remote Power Output:** 12 VDC regulated  
Combined Standby Current - See W1501

### UL Listings & Compliances:

**Household Burglar Alarm System Units:** UL1023

**Household Fire Warning System Units:** UL985

Security Industry Association (SIA) False Alarm Reduction Standard CP-01

## ORDERING INFORMATION



**GEM-P1664 Panel New! 8 to 64 zone, 4 partition control panel** in large locking enclosure, 12.5 x 14 x 3.75". (Plug-in AC transformer, supplied).

**GEM-K1VPS talking keypad New!** Labor-saving, multifunction, talking custom alphanumeric keypad with built in pet-PIR, UL siren, and spoken voice-prompts. Dual-line blue display and built in 4-zone expansion module. Stay/away user functionality.

**GEMP1664VSPK (above) New!** Money-saving pak with both items above, P1664 panel and multifunction talking custom alpha backlit keypad with built-in 4 zone expander, pet PIR, UL siren. Stay/away user functionality. Supplied AC transformer.



**GEM-DK1CA door keypad New!** Door-style deluxe custom alphanumeric dual-line blue display keypad with built-in 4-zone expansion module. Stay/away user functionality.

**GEMP1664DK1PK (above) New!** Money-saving pak with both items above, P1664 panel and door-style DK1CA custom alpha blue backlit keypad with built-in 4 zone expander. Stay/away user functionality. Supplied AC transformer.

### Choice of NAPCO Gemini Wireless Receivers & Wireless Transmitters:

**GEM-K4RF** Fixed English Language Display Keypad with 32Pt. Built-in Wireless Receiver .

**GEM-K4RF** Spanish Language version of above. Note: Other language versions, also available: (Call Napco International Sales for info).

**GEM-RECV8** 8 point receiver

**GEM-RECV32** Wireless 32 Point Receiver

**GEM-RECV96** Wireless 96 Point Receiver

**GEM-TRANSLP** Wireless Low Profile Door Contact

**GEM-TRANS2** Wireless Door Contact

**GEM-KEYF** Key Fob Transmitter

**GEM-SMK** Wireless Smoke Detector

**GEM-PIR** Wireless PIR

**GEM-PIRPET** Wireless Pet Immune Transmitter

**GEM-DT** Wireless Dual-Technology Sensor

**GEM-GB** Wireless Glass-Break Detector

**Also choose from a wide selection of Napco hardwired sensors**

## Choose from a variety of Napco Gemini keypads and peripherals



**GEM-K1CA**, Deluxe Custom Alphanumeric Dual-Line Green Display Keypad with built in 4-Zone Expansion Module. STAY and AWAY user functionality

**GEM-RP1CAe2** Deluxe Custom Alphanumeric Dual-Line Green Display Keypad with built in 4-Zone Expansion Module. Classic NAPCO user functionality.

**GEM-TEMP64** Optional temperature sensor, for use with either of the two keypads above, programmable for celsius or fahrenheit. Indoor or outdoor temperature display at keypad.

**GEM-K2AS**, as above, with STAY and AWAY user functionality.

**GEM-RP2ASe2** Alpha/Icon Keypad with classic operation.

**GEM-DK3DGTL** New! Door-style digital keypad with STAY and AWAY user functionality.

**GEM-K3DGTL** Digital Keypad with STAY and AWAY user functionality.

**GEM-RP3DGTL**, Digital Keypad with classic user functionality.

**GEM-EZM4/8** Multiplex Module for 4 to 8 zones expansion (supports series zone doubling and loop supervision using double EOL resistors).

**GEM-EZM8** 8-Zone Multiplex Module

**PCD2000 NAPCO QUICKLOADER** Up/Downloading Software For panel programming,



333 Bayview Ave., Amityville, NY 11701 USA  
1-800-645-9445 • www.napcosecurity.com