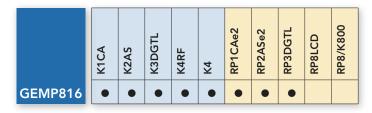# Gemini P816

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

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

Gemini

NAPCO

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.
- **816PERFPAK** GEM-P816 control, GEM-RP3DGTL digital keypad and transformer.
- **816PERFPAKPLUS** 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
- **K816PERFPAK** 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

HARDWIRE

GEMINI CONTROL

GEMRP1/K1 GEM GEMEZM4/8 RB3008
GEMRP2/K2 EVA1 Zone Relay
GEMRP3/K3 Expansion Expansion
Module Module

WIRELESS

RECVX255
RECV-96
RECV-16
RECV-8
GEMK4RF Keypad

GEM-KEYF GEM-TRANS2 GEM-PIR/PET GEM-SMK GEM-GB GEM-DT GEM-WP PANIC GEM-RTRANS

NAPCO

Gemini

P1632

NOW WITH STAY AND AWAY KEYS
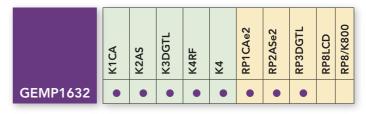
The Gemini **P1632** hardwire/wireless control panel with **partitioning. Easy to standardize on.**

- 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

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

Gemini

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 to16 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.

HARDWIRE

GEMRP1/K1
GEMRP2/K2
GEMRP3/K3

GEM
EVA1

GEMEZM4/8
Zone
Expansion
Module

RB3008
Relay
Expansion
Module

GEMINI CONTROL

)))))))))) **WIRELESS**))))))))))

RECVX255
RECV-96
RECV-16
RECV-8
GEMK4RF Keypad

GEM-
KEYF

GEM-
TRANS2

GEM-
PIR/PET

GEM-
SMK

GEM-
G8

GEM-
DT

GEM-WP
PANIC

GEM-RTRANS

Compatible with these standard **Gemini keypads**

GEM-K1CA
4 built-in zones

GEM-K2AS

GEM-K3DGTL

GEM-K4/K4RF
with RF receiver

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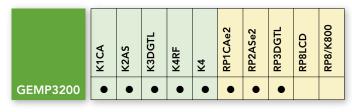**4 built-in zones**

GEM-RP2ASe2

GEM-RP3DGTL

NAPCO

A392B

Gemini P3200

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

HARDWIRE

GEMINI CONTROL

GEMRP1/K1
GEMRP2/K2
GEMRP3/K3

GEM EVA1

GEM-EZM8
Zone
Expansion
Module

RB3008
Relay
Expansion
Module

WIRELESS

RECVX25S
RECV-96
RECV-16
RECV-8
GEMK4RF Keypad

GEM-KEYF

GEM-TRANS2

GEM-PIR/PET

GEM-SMK

GEM-GB

GEM-DT

GEM-WP PANIC

GEM-RTRANS

Gemini keypads compatible with the GEMP3200

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

Gemini

NAPCO

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 anding 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-RECV8: Wireless receiver, 8 points
- GEM-RECV16: Wireless receiver, 16 points
- GEM-RECV96: 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
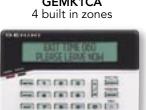- WI818: Programming manual

Compatible with these standard **Gemini keypads**

GEMK1CA
4 built in zones

GEMK2AS

GEMK3DGTL

GEMK4/K4RF

RP1CAe2
4 built in zones

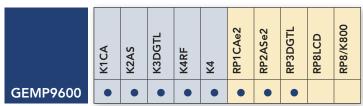
GEMRP2ASe2

GEMRP3DGTL

NAPCO

Gemini P9600

Gemini P9600 powerful multi-tasking hybrid control panel – **feature-rich** for **security** applications and **home automation** integration.

HARDWIRE

GEMINI CONTROL

GEMRP1/K1
GEMRP2/K2
GEMRP3/K3

GEM EVA1

GEM-EZM8
Zone Expansion Module

RB3008
Relay Expansion Module

WIRELESS

RECVX255
RECV-96
RECV-16
RECV-8
GEMK4RF Keypad

GEM-KEYF

GEM-TRANS2

GEM-PIR/PET

GEM-SMK

GEM-GB

GEM-DT

GEM-WP PANIC

GEM-RTRAN1

Gemini keypads compatible with the GEMP9600

	K1CA	K2AS	K3DGTL	K4RF	K4	RP1CAe2	RP2ASe2	RP3DGTL	RP8LCD	RP8/K800
GEMP9600	●	●	●	●	●	●	●	●		

Gemini

EXIT TIME 060
PLEASE LEAVE NOW

NAPCO

Gemini™ **P9600** 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 option, sensor watch, swinger shutdown, zone anding and a variety of other features
- Up to 96 zones with optional zone-expansion modules and 4-zone keypads
- Including up to 8 2-wire fire zones
- Up to 96 individually coded users, each with a programmable authority level
- Exclusive RS232 panel-port supports PC home automation/ networking integration for 9600 baud comprehensive communications
- 3 On-board relay outputs; expandable to 96
- Three keypad panics: fire, police & auxiliary
- Up to 8 independent area partitions
- Up to 8 separate access stations by up to 96 users
- Up to 64 separately-addressable X-10 devices with the GEM-X10 kit
- English-language prompts & system status messages from choice of keypad models
- User-customized zone descriptions, reprogrammable as required
- Supports 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
- Supports up to 4 RF receivers
- Guard-tour programmable for start time, tour length, and check points (tour stations)
- 2 Programmable entry delay times
- 2 Interior-bypass groups
- 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
- 96 User codes with opening/closing reporting by user
- AC failure reporting with programmable report delay
- Supervised telephone line cut with programmable delay
- Pager capability
- SIA CP01 compliant versions available

Specifications

- Operating temperature: 0-49°C (32-120°F)
- Input power: 16.5Vac via class 2 plug-in 40VA transformer, supplied
- Loop voltage: 10-13VAC
- 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)
- 750 mA combined standby current (remote power + aux. power + reset relay power)
- Standby time: residential fire/burglary & commercial burglary, 4 hours minimum
- EZM module: GEM-EZM8: input, 50mA (including PGM output) PGM output: 5mA, 12V special application
- Keypad current: GEM-RP1CAE2: 100mA; 35mA if back lighting is disabled (cut W1, W2 & W3) PGM output: 5mA, 12V special

Application

Maximum number of keypads: 15 maximum wiring length for each run (#22AWG): 1000' divided by total number of keypads & EZMs on run
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-EZM8: 8-zone expansion zone module
GEM-EVA: electronic voice annunciator – unique consumer aid "talks" users through system operation
VERI-PHONE: two-way voice/listen-in module
WIZARDII/IIE: talking alarm/appliance remote

controller works through any touch-tone phone
GEM-RECV8: wireless receiver, 8 points
GEM-RECV16: wireless receiver, 16 points
GEM-RECV96: wireless receiver, 96 points
GEM-RTRANS: Recessed wireless window/door transmitter, 1-point
GEM-TRANS2: window/door transmitter, 2-point
GEM-KEYF: keyfob transmitter
GEM-SMK: wireless smoke detector
GEM-PIR: wireless PIR, 50x50'
GEM-DT: wireless adaptive® dual technology sensor, 40x40'
GEM-GB: wireless glass break detector
GEM-WP PANIC: waterproof panic button/pendant

Home/facilities automation:

GEM-Automation: alarm-to-PC interface for 100% 2-Way intercommunications with a growing number of leading PC automation software packages.
GEM-Developer System Development professional's protocol for custom programming & seamless integration with Gemini RS232 port communications.
GEM-RS232 permanent RS232 panel-port interface
GEM-X10 interface module provides programming & scheduler-integrated x-10 device support.
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
WI1: wire assembly with lug connector
PCD3000: downloading software for IBM PC compatible
PCI2000/3000: quickloader up/downloading software
PC-MINI: notebook computer interface
StarLink SL-1: Backup wireless receiver for all alarm panel brands (sms network)

Compatible with RP- and K-Series **Gemini keypads**

GEMK1CA
4 built in zones

GEMK2AS

GEMK3DGTL

GEMK4/K4RF
Built in RF Receiver

RP1CAe2
4 built in zones

GEMRP2ASe2

GEMRP3DGTL

NAPCO

Gemini X255

GEMINI
EXIT TIME 060
PLEASE LEAVE NOW

GEMINI
NEW! NOW WITH STAY
AND AWAY KEYS

Gemini **X255** is the expansive hardwire/wireless control offering **255 fully-programmable zones**, 195 users, **fuseless operations** & supports the full line of top performing Gemini Wireless.

HARDWIRE

GEMINI CONTROL

GEMRP1/K1
GEMRP2/K2
GEMRP3/K3

GEM EVA1

GEM-EZM8
Zone Expansion Module

RB3008
Relay Expansion Module

WIRELESS

RECVX255
RECV-96
RECV-16
RECV-8
GEMK4RF Keypad

GEM-KEYF

GEM-TRANS2

GEM-PIR/PET

GEM-SMK

GEM-GB

GEM-DT

GEM-WP PANIC

GEM-RTRANS

Gemini keypads compatible with the GEMP9600

	K1CA	K2AS	K3DGTL	K4RF	K4	RP1CAe2	RP2ASe2	RP3DGTL	RP8LCD	RP8/K800
GEMX255	●					●				

Gemini

Gemini™ X255 zone hybrid control

Control panel features

- 8 to 255 zones, hardwire or wireless zones from GEM EZM8 zone- expansion modules and RP1 4-zone keypads or wireless points using Gemini receivers
- Including up to 8 2-wire fire zones
- Up to 195 individually coded users, each with a programmable authority level
- Exclusive RS232 panel-port supports PC home automation/ networking integration for 9600 baud comprehensive communications
- Fuseless maintenance-free operation
- 8 End-of-line-resistor burglary zones programmable for area, exit/entry delay, interior, follower, day zone, chime, fire option, sensor watch, swinger shutdown, zone anding and a variety of other features
- 3 on-board relay outputs; expandable to 99
- Three keypad panics: fire, police & auxiliary
- Up to 8 independent area partitions
- Up to 8 separate access stations for up to 195 users
- Up to 64 separately-addressable X-10 devices with the GEM-X10KIT
- English-language prompts & system status messages from keypad (GEM-RP1CAe2 installed "with 255 support" only)
- User-customized zone descriptions, reprogrammable as required
- Supports 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
- Supports up to 4 RF receivers
- Guard-tour programmable for start time, tour length, and check points (tour stations)
- 2 programmable entry delay times
- 2 interior-bypass groups
- 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
- PCD-Windows 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
- 195 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, supplied
Loop voltage: 10-13VAC

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
Auxiliary power output: 12 Vdc regulated
Remote power output: 12Vdc regulated (for keypads) 750 mA combined Standby Current (Remote Power + Aux. Power + Reset Relay Power)
Standby time: Residential fire/burglary & commercial burglary, 4 hours minimum
EZM Module: GEM-EZM8: input, 50mA (including PGM Output) PGM output: 5mA, 12V special application
Keypad current:
GEM-RP1CAe2, GEM K1CA: 100mA; 35mA if back lighting is disabled (cut W1, W2 & W3) PGM output: 5mA, 12V special application
Maximum number of keypads: 15 maximum wiring length for each run (#22AWG): 1000' divided by total number of keypads & EZMs on run
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-EZM8: 8-Zone expansion zone module (see models labeled "GEM-X255 Support")
VERI-PHONE: Two-way voice/listen in module
GEM-RECV8: Wireless receiver, 8 points
GEM-RECV16: Wireless receiver, 16 points
GEM-RECV96: Wireless receiver, 96 points
GEM-RECV255: Wireless receiver, 255 points*
GEM-TRANS2: Window/door transmitter, 2-point
GEM-RTRANS: Recessed wireless window/door transmitter, 1-point
GEM-KEYF: Keyfob transmitter
GEM-SMK: Wireless smoke detector
GEM-PIR: Wireless PIR, 50x50'
GEM-PIRPET: Wireless 40 lb. pet immunity PIR
GEM-DT: Wireless Adaptive® Dual Technology sensor, 40x40'
GEM-GB: Wireless glass break detector
GEM-WP PANIC: Waterproof panic button/pendant
GEM-HEAT: Rate of rise heat detector
2 WAYUNIVKFKIT: 2 Way LCD keyfob & receiver
HOME/FACILITIES AUTOMATION:
GEM-RS232KIT: Alarm-to-PC interface for 100% 2-way intercommunications with a growing number of leading PC automation software packages (including, but not limited to, IBM Home Director™, Savoy Cyberhouse™, Crestron, Phast, etc.)
GEM-DEVELOPER: System development professional's protocol for custom programming seamless integration with Gemini RS232 port communications.
GEM-X10 Interface Module: Provides programming & scheduler-integrated X-10 device support.
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: EOL 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

*Consult panel documentation for UL restrictions which may apply to UL installations using upwards of 200 wireless-only points

GEM-WPPANIC WATERPROOF PANIC

GEM-RTRANS RECESSED WINDOW DOOR

GEM-TRANS2 WINDOW/DOOR

GEM-PIR/ GEM-PIRPET PASSIVE

GEM-DT DUAL TECHNOLOGY

GEM-GB ACOUSTIC GLASS BREAK

GEM-SMK SMOKE

GEM-HEAT DETECTOR

GEM-KEYF KEYFOB

GEMINI

Use with the full Gemini crystal-control wireless line, proven in independent tests to outperform top competitive brands.

Compatible with these standard Gemini keypads

GEMK1CA
4 built in zones

RP1CAe2
4 built in zones