GEM-X255

GEMINI™ 8 TO 255 ZONE HYBRID CONTROL

GEM-RP1CAe2

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 255 zones, hardwire zones from GEMEZM8 zone-expansion modules and RP1 4-zone keypads or wireless points using Gemini Receivers (shown at right)
- 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
- 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: 0-49ºC (32-120ºF)
- 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: 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
- Designer Keypad Dimensions: 4 3/8" x 5 7/8" x 1 1/6" (HWD): 11.1cm x 14.9cm x 2.7cm (HWD)

ORDERING INFORMATION

- GEM-X255: Super Expandable Hybrid Control Panel & Transformer
- GEM-RP1CAe2: 32-Character EZ-Read Backlit LCD Keypad with 4 EOL Zone Expansion Module built-in (*Look for models labeled "GEM-X255 Support"!*)

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

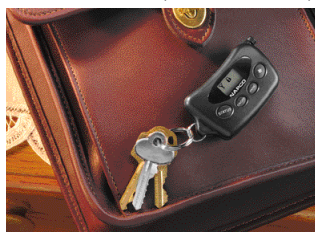### OPTIONAL ACCESSORIES AND PERIPHERALS

- GEM-EZM8: 8-Zone Expansion Zone Module (*Look for 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-KEYF: Key Fob 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: 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
- PCD-Windows: Programming & Downloading Software for Windows PCs

Use with Full Gemini Crystal-Control/Wireless Line.
(L-R) GEM-DT RF Adaptive Dual, GEM-PIR RF PIR, GEM-KEYF Wireless Key, GEMRECV8+16 RF Receivers, GEM-TRANS2 RF Window/Door Transmitter, GEM-SMK Wireless Smoke and GEM-GB RF Glass Break.

Ask about 2-Way Universal LCDKeyfob Kit (2WAYUNIVKFKIT)

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