



Gemini BioReader™



New innovative indoor/outdoor Gemini bio reader keypad by NAPCO



Residential alarm and garage door control

Only users enrolled in the reader can operate the electric garage door, alarm and lighting system. Ideal for walking around the neighborhood and **not having to carry a house key. Your finger is the key!**

Control NAPCO's Gemini alarm systems with the touch of a finger – or use the built-in relay outputs to integrate with any brand of alarm system or for standalone alarm and garage door access control

NAPCO introduces our indoor/outdoor digital keypad with a highly-advanced and accurate optical biometric fingerprint reader for integrated control of any Gemini security system or as state-of-the-art standalone access control use for alarm systems, garage door operator control, lighting, etc. with relay activation.

Increases the security of the system

Biometric ambush feature sends silent alarms.

Use pre-selected and enrolled finger to silently call the police during push ins and robberies

Eliminates code pass-along. With children or employee-turnover – you can't pass along a fingerprint!

Tamper-proof. Alarm is tripped if the reader is ripped from the building

Feature-rich, flexible and convenient

External device control. To control garage doors, lighting and more

Rugged & durable. Metal keypad is weather and vandal-resistant

Convenient. No keys or cards to carry, no codes to memorize and remember

Single finger use. One touch of a finger arms/disarms the system and/or activates relay groups. Send a silent alarm in ambush/duress situation simply using a different finger.



No lost keys by children
No code pass-along, or other children looking over the child's shoulders and memorizing their code



Perfect for the elderly
No codes to remember, no fumbling with keys



Perfect for commercial applications such as:

- gate control and parking lot access
- restricted access to sensitive pharmaceuticals, weapons, supplies and more.





Gemini BioReader™

Standalone or with an alarm system, outstanding biometric reliability for greater security for residential & commercial accounts

3-Way "live" finger detection

High-security verification thwarts use by imposters using photocopies and rubber impression fake fingers

Easy, fast, accurate fingerprint enrollment

Enrolls at keypad in approximately 5-seconds. (Also easy user deletions.)

Secure processing and storage on-board

All processing is done and stored securely within the unit. Includes anti-substitution which prevents hacking or unauthorized keypad replacement by retaining its own master code, enrolled in the panel upon installation.

Audible and visual status indicators

Piezo sounder prompts/feedback. Traditional keypad armed/alarm and ready LEDs plus bio-feedback indicator

Stealth/Blanking Mode for no-show alarm status LEDs

Status is hidden after use, displayed only with an authorized user's fingerprint or code

Removable bio-optic reader privacy shield

Shield covers durable scratch-resistant optic glass, disguises operation

Superior 99% accurate false acceptance and false rejection

Bioreader has exceptional biometric reliability and accuracy to ensure reliable use – even by those with fingerprints traditionally considered hard to read, such as consumers with finer (poor quality) prints, or people whose fingerprints are dry or worn such as people who garden, manual laborers, elderly, etc. FAR (False Acceptance Rate) from .001 to 0% and FRR (False Rejection Rate) selectable 1.1 to 5.8% .

What security dealers like best about the Bioreader:

"Customers' fingers are their keys or codes. Nothing to carry, lose or memorize. It's great with latchkey kids coming home or elderly clients."

"5-second fingerprint enrollment right at Bioreader is so quick and easy"

"Stealth mode – Reveals alarm status only to authorized user without arming/disarming first."

"Also, alarm in memory is automatically displayed with LED indicator as a precautionary warning to returning users before they enter."

"Other-finger" ambush/silent alarm activation is very handy, whether it's their ring finger or index finger or their left hand vs. their right hand they use for ambush – they can't leave home without it."

"With one-touch of a finger my accounts can disarm their alarm and open their electric garage door opener."

Ordering Info

GEM-BIOREADER/MS Metallic Silver indoor/outdoor metal keypad with advanced bio-optic fingerprint reader and integral Form C Relay, rated 1A/24VDC

GEM-BIOREADER/MB As above, in metallic bronze finish (right)

WI819 Instruction manual for GEM-BIOREADER

WI829 Installation mounting guide for GEM-BIOREADER

OI363 User Guide for GEM-BIOREADER



Integrated control of ALL Napco Gemini Panels, including 3- and 4-wire bus models



Alarm System Integration:

Works with Napco Gemini (all panels, 3- and 4-wire bus, not intended to be sole keypad) and Express systems

All digital user code info (3 to 6 digit codes) passes through Gem-BioReader to the Gemini System (does not change panel programming.)

Unit performs arm, disarm, ambush, bypass alarm functions and energize relay outputs (or relay groups in panels which support them, i.e., P3200 through X255)

Keypad includes Stay/Away K-Series functionality and programmable one-button relay control

Also works on most brands of panels with a keyswitch or similar input

Users	Supports up to 100 biometric fingerprints/digital code user IDs
Current draw requirements	65mA @12VDC
Form C Relay Outputs	Rated at 1A/24VDC; programmable activation duration (1 to 255 sec.)
Mounting	Tamper supervised wall mount or single gang box mount
LFD	Live Finger Detection
Temporary Lockout Mode	After 4 unsuccessful attempts to activate system
CPU	ARM Based 32Bit RISC
CPU Clock	Up to 200MHz
Processing Speed	2-4 Seconds. Even with system at maximum user capacity
Flash Memory	1M Byte
SDRAM	8M Byte
Auto Sensing	Human Touch Sensor
Capture Type	Optical, 500dpi
Sensing Area	15 x 17 mm
FRR/ FAR / Verification time	01.% / 0.001% / <1sec
Operating Temperature	14° to 122°F, -10° to 50°C
Finishes	Metallic Silver or Metallic Bronze



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NASDAQ: NSSC

Preliminary specifications subject to change. 7/09 A584
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