



With any Best Access Systems security solution, you receive more than just product. System design consultation, facility survey and needs analysis, future needs advisement, installation services, system implementation assistance and post-installation support represent just a part of the Best Access Systems benefit that you receive with every product. And BEST has established a complete service program that is there, at your disposal, 24 hours a day.



For more information on BEST's full line of security solutions from mechanical access systems to electronic access systems, visit our web site at [www.bestaccess.com](http://www.bestaccess.com) or call 1-317-849-2250 for the name of the Best Access Systems office closest you.

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**B.A.S.I.S. V**  
**STAND-ALONE PRODUCTS**



## Defining "Layered" Security.

The terminology "layered security" is becoming very popular in the world of security. The concept is built around the idea of providing cost-effective security, utilizing the most appropriate security equipment at every access point. For instance, perimeter access may require an on-line electronic system that can be integrated with other security functions such as surveillance and alarming with real time reporting. This application will normally maximize your expense. Key interior locations then might be secured with an off-line electronic device that has time controls and audit reporting (not real time reporting or updating). Expenses are less for these off-line applications. Still other locations may require only the use of a well-designed masterkey mechanical locking system for access control. The masterkey system may also be applied to a variety of locking devices to control other access points (gates, cabinets, closets, elevators, etc.), thus controlling all under one keying plan. This defines "layered security."

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## Security Solutions



*Any Security system with Best Access Systems begins with a thorough facility evaluation. What is required? What will work? What will not work? No two systems designed by Best Access Systems are ever the same. All information is evaluated and a system is designed to meet the specific needs of each organization and facility.*



## Best Access Systems Can Meet Your Every Access Control Need.

Best Access Systems is postured like no other company to provide you with every layer of security that you would require. The B.A.S.I.S. ET Software has been designed for every application for on-line access control, able to seamlessly integrate with other systems. And the new B.A.S.I.S. V Series of products, as described in this brochure, utilizes the same software and database, allowing management of both on-line and off-line applications with a single software system. The system can be set up from the start to be scalable - in other words, you can have the capacity for on-line and off-line, even if you do not utilize one or the other initially. Combine all of this with BEST's line of interchangeable core, masterkeyed locking products, and you have the ability to supply every "layer" of required security . . . all from one company.

## B.A.S.I.S. V System

The B.A.S.I.S. V system has been designed to be the most versatile, simple, and effective system of access control available. It utilizes stand-alone technologies that benefit you with the more popular features of a network system without all the cost. Each feature makes use of modern technology, sensible design, and allows you the greatest freedom in creating a system that most completely meets your access control needs. That's why the B.A.S.I.S. V system is the preferred access control system.



## System Components



- The B.A.S.I.S. V system can consist of several elements:
- A battery powered electronic stand-alone lockset that provides programmable access and storage of historical events.
  - The B.A.S.I.S. V software that can be managed from a desktop, or laptop.
  - Magnetic-Stripe Cards that activate the system (if using magnetic stripe readers.)
  - A Card Encoder permits BEST customers to issue, erase, and re-encode cards (if using magnetic stripe readers.)
  - A PDA is a palm top device and serial cable that connects to a PC to transport programming data from a B.A.S.I.S. system to the lockset or retrieve history data.

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## B.A.S.I.S. V Systems Features

### SOFTWARE FEATURES

- Multiple locations can be networked to conveniently access a single database.
- B.A.S.I.S.™ V is integrated into BEST's on-line software, eliminating the inefficiencies of having two separate systems.
- Integrates with most existing databases with real-time information updates, eliminating the process of re-entering user data.
- Complete history of access activity can easily be obtained.
- Automatic backup reduces the risk of losing data.
- Lets you create lockset configurations, which include programming settings and a user card database, from a remote PC.
- Stores as many lockset configurations as you have disk space for.
- Can transfer data between PCs.
- Downloading and printing of history events.

### HARDWARE FEATURES

- Minimum 65,000 cycles / 2 to 5 year battery life for cylindrical chassis; Minimum 130,000 cycles / 2 to 5 year battery life for mortise chassis. Cycle life can be doubled with optional extended life battery pack.
- B.A.S.I.S. V can allow or record 5,000 users/history per lockset.
- Available in Motorola/Indala and HID proximity reader, smartcard, magnetic stripe card, and combination magstripe and keypad readers.
- Optional key override detection records and documents when a key is used.
- Costs are controlled by availability of replacement parts versus having to replace entire unit.
- Local factory-trained technical services are available 24 hours a day to meet any emergency need.
- Heavy-duty mechanical platform designed and manufactured for the toughest applications.
- Deadbolt sensing prevents access to unauthorized cards when deadbolt is thrown.
- Interchangeable core mechanical override allows for emergency access.



## Proximity Card Lock



### Proximity Card Reader Features

- HID and Motorola/Indala proximity cards supported.
- No multiple card issuance required. Compatible with Weigand, ABA and custom formatted proximity cards.
- Stand-alone, battery-operated electronic lock eliminates hard wiring to external power source. Uses 4 "AA" Alkaline batteries.
- Usable in all environmental/exterior applications.
- Custom graphics on cards available to allow for personalization of design for any requirement.
- Utilizes Best Access System's proven Grade 1 Cylindrical and Mortise mechanical platforms, as well as adapting to select brands of exit devices.

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## Variable Card Format



No one likes to carry multiple access cards or memorize multiple PINs for different uses in a facility. With the B.A.S.I.S V products, software can program the lock to use almost any existing access card (magnetic stripe or proximity) or PIN for lock operation. This beneficial feature minimizes hassles for the user, saves money and time for the installer, and creates convenience for the systems administrator.



## First code Feature



Most electronic access control systems can be programmed to automatically unlock and relock a door at designated times. However, a potential problem can exist if no one is on-site when the security device unlocks.

(Such as during a snow blizzard or some other natural disaster). In these situations, there would be open access to an unmonitored area. The First Card/Code Unlock feature solves this potential problem and can be utilized by key-pads or cards. When activated, this feature allows the door to be unlocked only after the first valid card or PIN has been entered during the designated times, thus guaranteeing that the facility would be occupied. The locking device relocks automatically at the pre-designated time.



## Magnetic Stripe Lock



### Magnetic Stripe Lock Features

- No multiple card issuance required. Most variable card formats can be easily integrated to work with the B.A.S.I.S. system.
- Cards may be encoded in-house, expediting issuance processes and emergency responses.
- Stand-alone, battery-operated electronic lock eliminates hard wiring to control panels and external power sources. Uses 4 "AA" batteries.
- Variable read rate allows for easy usage.
- Custom cards available to allow for personalization of design for any requirement.
- Utilizes Best Access System's proven Grade 1 Cylindrical and Mortise mechanical platforms, as well as adapting to select brands of exit devices.

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## Proximity Card Reader Specifications

**Primary Power:** 4 "AA" Alkaline batteries

**Back-up Power:** Maintains programming and history data up to three months after power is lost.

**User Indicators:** Visual and audible

**Serial Communications Port:** Can be used to program locks individually.

**Operating and Storage Temperature:**

-35°C to +66°C (-31°F to +151°F).

**Bezel Size:** 2 5/8" x 3 1/4"

**Material:** Bezel - high impact ABS

**Sealing:** Weatherproof lens and gasket provides protection for outdoor use. (Usable in all environmental/exterior applications.)

**ESD Protection:** 15KV.

**CARD READER:**

**Card Read Range:** 0" – 3"

Compliant to FCC, Canadian, and European EMC requirements; for interference FCC Class A digital apparatus.

## Magnetic Stripe Reader Specifications

**Primary Power:** 4 "AA" Alkaline batteries

**Memory Backup:** Maintains programming and history data for up to 3 months after loss of power.

**User Indicators:** Visual and audible

**Serial Communications Port:** Can be used to program locks individually.

**Operating Temperatures and Storage**

**Temperature:** -35°C to +66°C (-31°F to +151°F).

Relative Humidity: 10% to 90% non-condensing.

**CARD READER:**

**Read Rate:** 5 inches per second to 50 inches per second.

**Card Thickness:** ISO standard .030" ± .003 thick.

Compliant to FCC, Canadian, and European EMC requirements. This Class A digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulation.



## Magnetic Stripe/Keypad Combination-Dual Validation



### Magnetic Stripe/Keypad Combination Features

- Validation using multiple methods; Pin and card, card only, pin only.
- Standard weather-resistance allows for operating temperatures of -35°C to +66°C.
- 12 position keypad design with audible, visual and tactile feedback.
- Angled keypad buttons for easy to read and operate viewing.
- Keypad is designed for long term use.

## Issue code Feature



Personnel changes, retirements, terminations, stolen cards, etc. can play havoc with the administrative side of managing an effective electronic access control system. The B.A.S.I.S. V Issue Code feature simplifies and expedites changes to the system without complex data entry/programming. When this feature is activated, a card/code can be invalidated in a lock and a new card activated by simply using the next valid new card in the lock. No complex lock changes, no system management headaches.



## Passage Mode



Even though the B.A.S.I.S. V Series system can automatically unlock/relock during designated time zones, there may be the occasion for a lock to maintain an unlocked position for special short term purposes. Without detailed programming, the B.A.S.I.S. V Series Passage Mode feature is designed to assist with these applications and can be utilized by keypads or cards. By simply "double-swiping" an authorized card, or entering an authorized PIN twice, the lock will maintain an unlocked position. This allows for convenient unlocked access, saves on the wear and tear on the lock and also preserves battery life. The lock is re-activated by simply repeating the card double-swipe or double PIN entry process.



## Smart Card



### Smart Card Features

- Cards may be encoded in-house, expediting issuance processes and emergency responses.
- MP-COS EMV compliant; T0 and T1 protocol standard.
- Stand-alone, battery-operated electronic lock eliminates hard wiring to control panels and external power sources. Uses 4 "AA" batteries.

## Magnetic Stripe/Keypad Specifications

**Primary Power:** 4 "AA" Alkaline batteries

**Back-up Power:** Maintains programming and history data up to three months after power is lost.

**User Indicators:** Visual and audible

**Serial Communications Port:** Can be used to program locks individually.

**Operating Temperatures:** (Exterior side of door): -35°C to +66°C (-31°F to +151°F)

**Relative Humidity:** 10% to 90% non-condensing.

**Bezel Size:** 2 5/8" x 3 1/4"

**Material:** Bezel - high impact ABS

**Keypad** - Encapsulated elastomer

**ESD Protection:** 15KV

**Button Operating Life:** 1 million cycles

**Sealing:** Weatherproof lens and gaskets provide protection for outdoor use. (Usable in all environmental/exterior applications.)

### CARD READER:

**Read Rate:** 5 inches per second to 50 inches per second.

Compliant to FCC and Canadian, and European EMC requirements.

## Smart Card Reader Specifications

**Primary Power:** 4 "AA" Alkaline batteries

**Back-up Power:** Maintains programming and history data up to three months after power is lost.

**User Indicators:** Visual and audible

**Serial Communications Port:** Can be used to program locks individually.

**Operating Temperatures:** (Exterior side of door): -35°C to +66°C (-31°F to +151°F)

**Storage Temperature:** -40°C to +80°C

**Relative Humidity:** 10% to 90% non-condensing.

### CONTACT INSERTION CARD READER:

**Read Rate:** 4 inches per second to 30 inches per second.

Compliant to FCC and Canadian, and European EMC requirements; ISO 7816, MP-COS EMV compliant; T0 and T1 protocol standard.

**Material:** Durable Polycarbonate with a Teflon-like characteristic to reduce wear and increased life.

**Card thickness:** Accepts cards from .020" to .040" thickness.