

STANLEY
Security Solutions



B.A.S.I.S.® V

STAND-ALONE ELECTRONIC LOCKS



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INTRODUCTION

Introducing **B.A.S.I.S.® V** – a highly efficient stand-alone lock system that utilizes card reader technology and is integrated into B.A.S.I.S.® software. With **B.A.S.I.S.® V**, ID cards are encoded with all the necessary information to control door access. The system integrates with virtually any existing database, and allows unsurpassed capabilities in storing and retrieving access activity data. **B.A.S.I.S.® V** involves no costly wiring, is easy to manage, and offers a broad range of integrated features. In fact, everything about **B.A.S.I.S.® V** was designed to think ... so you don't have to.

SOFTWARE FEATURES

- **B.A.S.I.S.® V** (an off-line system) is integrated into Stanley Security Solutions on-line software, eliminating the inefficiencies of having two separate systems – one for off-line and one for on-line.
- Can dynamically integrate with most existing databases with real-time information updates, eliminating the tedious process of re-entering user data.
- Multiple locations can be networked to conveniently access a single database.
- Open architecture allows ease of upgrading and adding equipment to your system.
- Complete history of access activity can easily be obtained.
- Automatic backup reduces the risk of losing data.
- Operates on a desktop PC, or laptop PC.
- Provides easy-to-use menus and dialog boxes.
- Is password protected.
- Stores as many lockset configurations as you have disk space for.
- Lets you create new lockset configurations by copying and editing existing configurations.
- Downloading of history events and the generation of reports.

HARDWARE FEATURES

- Mag stripe available as track 1 or track 2.
- Swipe reader that reads ISO standard size I.D. cards.
- Battery life varies depending on the token reader and chassis type chosen. (See page 12 for battery pack chart.)
- 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.
- **B.A.S.I.S.® V** can allow or record 5,000 users / history per lockset.
- Heavy-duty mechanical platform designed and manufactured for the toughest applications.
- Key override detection records and documents when a key is used. (Key override feature available only on mortise **B.A.S.I.S.® V**.)
- Deadbolt sensing prevents access to unauthorized cards when deadbolt is thrown.
- Interchangeable core mechanical override allows for emergency access.
- **B.A.S.I.S.® V** hardware is available in trims and most finishes that match BEST's 9K cylindrical series and 40H mortise series, providing aesthetic continuity.
- Weather-resistant for versatile applications, including doors exposed to inclement conditions.
- Available in Indala and HID proximity readers, smart card, mag stripe card, and combination mag stripe and keypad for dual validation.

SYSTEM COMPONENTS

The **B.A.S.I.S.® V** System is an electronic access control system that can be programmed to meet your facilities access control needs. The system is designed to secure your facility by granting specific access rights to authorized people, based on a defined time schedule for each lock in the system. By tracking events at the locks, the system provides information to help you maintain the security of your facility.



SYSTEM COMPONENTS DESCRIPTION

- 1 B.A.S.I.S.® Software**– Software that lets you define programming settings and the user database for groups of locks, as well as individual locks. The software lets you view and print information about locks at any time. (To order, contact your local Stanley Security Solutions office.)
- 2 Programming Cable** – Programming cable allows you to connect to individual locks. (To order, contact your local Stanley Security Solutions office.)
- 3 Mag Stripe Cards** – A credit-card-size card with a magnetic stripe containing information. These cards can be encoded and sent to the user or encoded by the user at their facility. (To order, see page 10.)
Proximity Cards – A credit-card-size card with a proximity chip containing information. (To order, see page 10.)
- 4 Mag Stripe Card Encoder** – The device that “reads”, “writes” and “erases” information on the magnetic-stripe card. This also includes the software that controls the card encoder. Requires a PC & B.A.S.I.S.® software. (To order, see page 11.)
- 5 Mag Stripe Reader** – A battery-powered, self-contained swipe reader electronic lock that uses standard mag stripe cards. Controls access to door and can be programmed with B.A.S.I.S.® software. (To order, see page 10.)
- 6 Dual Validation Reader** – A battery-powered, self-contained dual validation reader electronic lock that combines standard mag stripe and keypad validation. Controls access to door and can be programmed with B.A.S.I.S.® software. (To order, see page 10.)
- 7 Proximity Reader** – A battery-powered, self-contained proximity card reader electronic lock that uses standard proximity cards. Controls access to door and can be programmed with B.A.S.I.S.® software. (To order, see page 10.)
- 8 PDA**– A PDA Personal Digital Assistant that connects to a PC to transport programming data from a B.A.S.I.S.® system to the lockset or retrieve history data. The PDA can also provide diagnostic data from the lockset. Transports software for the PDA is included in the B.A.S.I.S.® software.
(Contact your local Stanley Security Solutions office or visit our web site for a recommended BEST – supported device.)

HBV SPECIFICATIONS

MECHANICAL

- Case:** 0.095" cold rolled steel, 5 7/8" H x 7/8" D x 4 1/16" W. Steel is zinc dichromate plated for corrosion protection
- Faceplate:** Brass or bronze material, 8" H x 1 1/4" W x 1/16" T. Lock face automatically adjusts to proper bevel during installation
- Strike:** Brass, bronze, or stainless steel base material, 4 7/8" H x 1 1/4" W x 3/32" T. Fits standard door frame cut out as specified in ANSI A115.1. Universal (non-handed) strike supplied standard with lock
- Backset:** 2 3/4"
- Door Thickness:** Standard lock configuration designed for doors 1 3/4" thick. Thick door configuration available for doors up to 3" thick (specify thickness when ordering)
- Latchbolt:** Solid stainless steel, 3/4" throw. Latch is oil-impregnated for anti-friction operation. Reversible without opening case.
- Deadbolt:** Stainless steel, 1" throw
- Auxiliary bolt:** Stainless steel, non-handed
- Lever handle:** Brass, bronze, or stainless steel base material. Lever styles 3, 14, and 15 return to a minimum of 1/2" of door surface. Lever 12, 16 and 17 do not return.
- Escutcheons:** 10 3/8" H x 3 1/4" W x 1" D (1" at the top, sloping down to 3/4" at the bottom)
- Finishes:** **605-** bright brass, clear coated; **606-** satin brass, clear coated; **611-** bright bronze, clear coated; **612-** satin bronze, clear coated; **613*-** oxidized satin bronze, oil rubbed; **625-** bright chromium plated (brass base material); **626-** satin chromium plated (brass base material); **629-** bright stainless steel; **630-** satin stainless steel; **690*-** dark bronze coated (brass base material)
- * 613 finish is designed to wear over time, providing an "antique" appearance. 690 finish will continue as a dark brown appearance over time.

ELECTRONIC

Specifications for all HBV Readers:

- Primary power:** Alkaline battery pack
- Memory backup:** Maintains programming and history data for up to 3 months after loss of power
- User feedback indicators:** Visual and audible
- Serial communications port:** Used for programming lock from laptop or PDA
- Operating temperature:** -35°C to +66°C (-31°F to +151°F)
- Relative humidity:** 10% to 90% non-condensing
- Sealing:** Weatherproof lens and gasket provides protection for outdoor use (Usable in most environmental/exterior applications)

Magnetic Stripe Reader Specifications:

- Bezel material:** High impact ABS
- Read rate:** 5 inches per second to 50 inches per second
- Card thickness:** ISO standard .030" ± .003 thick
- Compliance:** Compliant with US, Canadian, and European EMC requirements, and for FCC Class A

Proximity Reader Specifications (HID and Indala formats):

- Bezel size:** 2 5/8" x 3 1/4"
- Bezel material:** High impact ABS
- ESD Protection:** 15 Kilovolts
- Reader range:** 0" – 3" from face of reader
- Compliance:** Compliance with US, Canadian, and European EMC requirements, and for FCC Class A

Dual Validation Reader Specifications (Magnetic Stripe & Keypad):

- Bezel size:** 2 5/8" x 3 1/4"
- Material: Bezel–** High impact ABS
- Keypad–** Encapsulated elastomer
- ESD Protection:** 15 Kilovolts
- Keypad button operating life:** 1 million cycles
- Compliance:** Compliance with US, Canadian, and European EMC requirements, and for FCC Class A



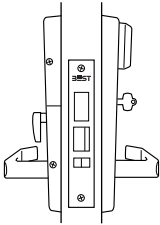
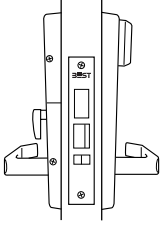
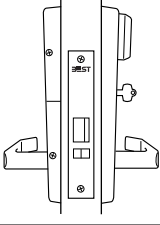
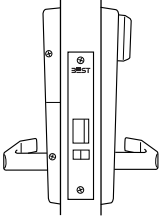
Magnetic Stripe Reader



Proximity Reader



Dual Validation Reader

Diagram	Function Code	Mechanical	Electronic
<p>Deadbolt w/ key override</p> 	TV	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism; latchbolt is retracted by key outside. Deadbolt operated by key outside and turn lever inside. When deadbolt is extended, turning inside lever or electronically unlocked outside lever retracts both deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt.	<p>Internal motor drive mechanism operated by electronic signal when presenting valid token. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Lock records card number, time, date and type of event. Electronic sensor recognizes whether deadbolt is retracted or thrown. Lock grants access only to deadbolt-authorized personnel when deadbolt is thrown.</p>
<p>Deadbolt w/o key override</p> 	LV	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism. Deadbolt operated by turn lever inside. When deadbolt is extended, turning inside lever or electronically unlocked outside lever retracts both deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt.	
<p>Latch w/key override</p> 	DV	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism; latchbolt is retracted by key outside. Auxiliary latch deadlocks the latchbolt.	
<p>Latch w/o key override</p> 	NV	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism. Auxiliary latch deadlocks the latchbolt.	

HBV LEVERS



#3 lever



#4 knob



#12 lever



#14 lever



#15 lever



#16 lever



#17 lever

KBV SPECIFICATIONS

MECHANICAL

Materials: Internal parts are brass, zinc or corrosion-treated steel

Chassis: 2 1/16" diameter to fit 2 1/8" diameter hole in door.

Strike: Brass or bronze, 4 7/8" x 1 1/4" x 3/32". Fits standard door frame cut out as specified in ANSI A115.1. Correct strike automatically supplied with unit

Backset: 2 3/4" standard. 3 3/4" and 5" available

Door thickness: For doors 1 3/4" - 2 1/4" thick

Installation: Lock dimensions requires modified door prep, ANSI A156.2 Series 4000, Grade 1 to mount housing

Latchbolt: 9/16" throw

Trim housing: Dimensions: 10 3/8" H x 3 1/4" W x 1" D sloping down to 3/4"

Lever handle: Made from high-quality zinc alloy. Body is approximately 1 5/8" in diameter. Handle is approximately 4 3/4" in length (from center-line of chassis). (Lever #3, #14 and #15 conform to California Titles 19 and 24.)

Finish: 605-bright brass, clear coated; 606-satin brass, clear coated; 612-satin bronze, clear coated; 625-bright chromium plated; 626-satin chromium plated; 690*- dark bronze coated (brass base material)

* 690 finish will continue as a dark brown appearance over time.



Magnetic Stripe Reader

ELECTRONIC

SPECIFICATIONS FOR ALL READERS:

Primary power: Alkaline battery pack

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

User feedback indicators: Visual and audible

Serial communications port: Can be used to program locks individually

Operating temperature: -35°C to +66°C (-31°F to +151°F)

Relative humidity: 10% to 90% non-condensing

Sealing: Weatherproof lens and gasket provides protection for outdoor use.

(Usable in all environmental/exterior applications.)

Battery Life: See page 9 for battery life chart



Proximity Reader

Magnetic Stripe Card Reader:

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

Card thickness: ISO standard .030" ± .003 thick

Compliance: Compliance to FCC, Canadian, and European EMC requirements; for interference FCC Class A digital apparatus

Proximity Reader (HID and Indala formats):

Bezel size: 2 5/8" x 3 1/4"

Material: Bezel- High impact ABS

ESD Protection: 15KV

Reader range: Card reader range 0" - 3"

Compliance: Compliance to FCC, Canadian, and European EMC requirements; for interference FCC Class A digital apparatus



Dual Validation Reader

Dual Validation – Combination Keypad & Magstripe Reader:

Bezel size: 2 5/8" x 3 1/4"

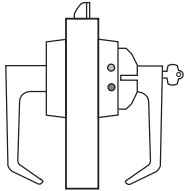
Material: Bezel- High impact ABS

Keypad- Encapsulated elastomer

ESD Protection: 15KV

Button operating life: 1 million cycles

Compliance: Compliant to FCC and Canadian EMC requirements, and for FCC Class A

Diagram	Function Code	Mechanical	Electronic
<p>Cylindrical Latch w/key override</p> 	DV	Dead locking latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism; latchbolt is deadlocked.	Internal motor drive mechanism operated by time-activated electronic signal, or presenting valid card/PIN. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Lock records card/PIN number, time, date and type of event.

KBV LEVER STYLES



#14 lever



#15 lever



#16 lever

STANDARD CARDS

Card Specifications:

- Standard credit card size
- ISO standard .030" ±.003 thickness (PVC or Polyester)
- High coercivity ABA 3 tracks



Photo I.D. Card



Custom Graphics Card



**Serialized Cards
Magnetic Stripe / Proximity**

EX SPECIFICATIONS

Adapts to: Precision's 1000 & 2000 series.
 Von Duprin 98/99 series.
 Sargent 8000 series rim type device.

Devices supported:

- Rim device
- Surface vertical rod
- Concealed vertical rod
- Mortise

MECHANICAL

Materials: Internal parts are brass, zinc or corrosion-treated steel

Chassis: 2 1/16" diameter to fit 2 1/8" diameter hole in door

Strike: Brass or bronze, 4 7/8" x 1 1/4" x 3/32". Fits standard door frame cut out as specified in ANSI A115.1. Correct strike automatically supplied with unit.

Backset: 2 3/4" standard, 3 3/4" and 5" available

Door thickness: For doors 1 3/4" - 2 1/4" thick

Installation: Lock dimensions requires modified door prep ANSI A156.2 Series 4000, Grade 1 to mount housing

Latchbolt: 5/16" throw

Die cast trim housing: Dimensions: 10 3/8" H x 3 1/4" W x 1" D sloping down to 3/4"

Lever handle: Brass or bronze. (Lever #14 and #15 conform to California Titles 19 and 24.)

Finish: 606-Satin brass, clear coated; 613*- oxidized satin bronze, oil rubbed; 626-satin chromium plated; 690*- dark bronze coated (brass base material)

* 613 finish is designed to wear over time, providing an "antique" appearance.

ELECTRONIC

Primary power: Alkaline battery pack

Memory backup: Maintains programming to 3 months after loss of power

User feedback indicators: Visual and Audible

Operating & Storage temperature: -30°C to +60°C (-22°F to +140°F).

Relative humidity: 10% to 90% non-condensing

Shock: 2000 Gs RMS (maximum door-slam shock)

Compliance: Compliance to FCC, Canadian, and European EMC requirements; for interference FCC Class A digital apparatus

KEYPAD

Bezel size: 2 5/8" x 3 1/4"

Material: Bezel- High impact ABS

Keypad- Encapsulated elastomer

ESD Protection: 15KV

Button operating life: 3-5 million cycles

Button operating force: 3.88 ounces

Operating temperature: -35°C to +55°C (-31°F to +101°F)

Storage temperature: -40°C to +55°C (-40°F to +101°F)

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



Proximity Card Reader



Magnetic Stripe Reader



Dual Validation Reader

AL– Abrasive levers are available with a special abrasive feature. Abrasive strip on the lever immediately identifies warnings on doors to hazardous areas for the blind.

EXBB– Extended battery packs for longer reader life.

LM– The Lost Motion feature allows the lever handle to move 45 degrees from parallel to the horizontal plane without engaging the latchbolt assembly. When the lockset is in the locked mode, this feature makes over-torque or over-leverage abuse more difficult to achieve.

SH– Security head screws provided for all exposed screws.

TL– Tactile levers may be used in areas where improved grip is required or as a warning in hazardous or Safety First areas. Grooves are machined into the back of the hand grasp portion of the lever to improve grip and/or provide a sensory warning. This option can be used for blind, safety, or accessibility applications.

BATTERY LIFE CHART

Reader	Standard Battery Pack		Extended Battery Pack (Not available on EX Series)	
	Cylindrical Cycles	Mortise/Exit Trim Cycles	Cylindrical Cycles	Mortise Cycles
Magnetic Stripe	65,000	130,000	130,000	250,000
Proximity	50,000	75,000	95,000	145,000
Dual Validation	65,000	130,000	130,000	250,000

CORMAX™ PATENTED KEYING SYSTEM

BEST® CORMAX™ is the premier patented keying system offered by Stanley Security Solutions. CORMAX will meet your needs for security, key control, and convenience. A simple solution with no compromising allowed.

CORMAX is the upgrade path for existing BEST Standard, Premium, and MX8 customers; and it is an essential element of non-residential access control as security administrators strive to eliminate the unauthorized duplication of keys.

CORMAX offers the following features and benefits:

- A long-term US utility patent that guarantees the extended useful life of the system through 2027.
- A second, independent locking mechanism that utilizes a patented set of built-in side pins to provide higher security.
- Several levels of geographical exclusivity, including national exclusivity, are available via the patented side pin feature.
- CORMAX cores and keys are available exclusively through Stanley sales offices. Key blanks are only sold to individuals authorized by the customer to ensure key blanks do not end up in the possession of unauthorized personnel either inside or outside the customer’s facility.
- CORMAX cores are certified to meet the security, safety, and reliability requirements of BHMA A156.5 Grade 1.
- Picking and drilling resistance options are available if higher levels of security are desired.
- Complete factory masterkeying service offered, and at no charge with purchase of BEST locksets and PHI exit devices.
- Keyways are organized in families of four keyways each, with double-milled and quad-milled key levels to facilitate the design of masterkey systems in multi-building campuses.
- BEST CORMAX cores are compatible with all existing BEST interchangeable core housings, eliminating the need for new or modified locksets.



**CORMAX™
Patented Keying System**

ORDER PROCEDURE**BV SERIES SYSTEM**

Part Description	Catalog Number
Programming Cable	BASD – CAB
Mag Stripe Encoder	MSR – 20633BA
B.A.S.I.S. Software	BAS – SWS – V

BV SERIES ACCESSORIES (not shown)

Part Description	Catalog Number
Standard Driver Bit	VPD – T15
Cleaning Cards (Box of 50)	VPD – CLN
Replacement Battery Pack	VPD – BB
Extended Battery Pack	VPD – EXBB

BV SERIES CARDS AND CARD OPTIONS

Part Description	Catalog Number
Magnetic Stripe cards non-encoded (Stanley branded):	
PVC - (Box of 500)	VPA – PVC
Polyester - (Box of 500)	VPA – POLY
PVC (single card)	VPA – PVC – SC
Polyester (single card)	VPA – POLY – SC
Magnetic Stripe cards encoded (Stanley branded):	
PVC (single card)	VPA – PVC – SCEN
Polyester (single card)	VPA – POLY – SCEN
Proximity cards non-encoded (HID & Indala branded):	
HID® Clam shell (box of 100) HID® branded	1326 – LSS – MV
Indala® Clam shell (box of 100) Indala® branded	FPCRD – SSSMW – 0000

ORDER PROCEDURE
HBV Series

45HBV Series	7 Core Housing	TV Function Code	14 Lever Style	MS Trim Style	626 Finish	RH Door	Options Hand
45HBV-mortise	0** - keyless 7-7 pin housing; accepts all BEST cores	DV- latch with key TV- deadbolt with key LV- deadbolt without key NV- latch without key	Levers: 3** - solid tube/ w/return ♿ 12** - solid tube/ no return ♿ 14 - curved return ♿ 15 - contour angle return ♿ 16 - curved no return ♿ 17** - gull wing ♿ Knobs: 4 - round	DV- dual validation (magstripe and keypad) MS- magnetic stripe PH- proximity HID PM- proximity indala DVA- other cylinder MSA- other cylinder PHA- other cylinder PMA- other cylinder	626 630 690 Satin* 606 612 613 Bright* 605 611 625 629	RH RHRB LH LHRB	ABA or Weigard- prox reader only EXBB* - extended life battery pack (Battery door available in 622 finish only) KOS* - key override sensor SH* - security head screws Thick door* - specify thickness TAC* - tactile lever 7/8" LTC* - flat lip strike

* Extra cost option. ** Cost deduction. Must specify keymark and number of keys.

KBV Series

93KBV Backset	7 Core Housing	DV Function Code	14 Lever Style	MS Rose Style	STK Strike Package	626 Finish	Options
93KBV- 2 3/4" cylindrical 94KBV- 3 3/4" cylindrical 95KBV- 5" cylindrical	0 - keyless 6-6 pin non-IC cyl. 7-7 pin housing; accepts all BEST cores	DV- with key	14 - curved return ♿ 15 - contour angle return ♿ 16 - curved no return ♿	DV- dual val (magstripe and keypad) MS- magnetic stripe PH- proximity HID PM- proximity indala	STK- standard S3- ANSI	626 690 Satin* 606 612 Bright* 605 625	EXBB* - extended life battery pack (Battery door available in 622 finish only) LM - lost motion SH* - security head screws TAC* - tactile lever 3/4* - 3/4" throw latch 7/8" LTC* - flat lip strike OB** - non-IC zero-bitted KA** - non-IC keyed alike KD** - non-IC keyed different COR*** - non-IC Corbin-Russwin MED*** - non-IC Medeco SAR*** - non-IC Sargent SCH*** - non-IC Schlage YAL*** - non-IC Yale SCHRC*** - Schlage RC

* Extra cost option. Must specify keymark and number of keys.

** Six-pin cylinder in Schlage "C" keyway included with OB, KA, KD options. Must specify "6" for core housing.

*** Cylinder not included with COR, MED, SAR, SCH, YAL, or SCHRC options. Must specify "0" for core housing.

EX Series

EXBV Series	7 Core Housing	EV Function Code	14 Lever Style	MS Trim Style	626 Finish	RHR Door Hand	PH1 Manufacturer	RM Locking Type	Options
EXBV-exit device B.A.S.I.S. V	0** - keyless 7-7 pin housing; accepts all BEST cores	EV- with key** NV- w/out key	14 - curved return ♿ 15 - contour angle return ♿	MS- magnetic stripe DV- dual val (magstripe and keypad) PH- proximity HID PM- proximity indala	626 690 satin* 606 613	RHRB LHRB	VD9- VonDuprin 98/99 series PH1- Precision hardware 1000 PH2- Precision hardware 2000 SA8- Sargent 8000 series ***	RM- rim*** MO- mortise RD- surface & concealed vertical rods	SH* - security head screws Thick Door* - specify thickness

* Extra cost option. Must specify keymark and number of keys

** EV function (key override) is not available on PH1000 (all models) Von Duprin mortise type, or Sargent Rim type device.

*** SA8 only available with rim type device.



For more information on Stanley Security Solutions' products, services, and office locations visit our web site at www.stanleysecuritysolutions.com

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BAS026