SARGENT®

ASSA ABLOY

e SARGENT

Electro-Mechanical Products

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ASSA ABLOY, the global leader in door opening solutions

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How to Contact

Order Fax Number **1-800-906-6606**

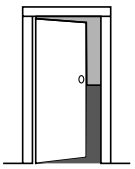
Partner Services **1-800-727-5477**
Contact Partner Services for order information and follow up

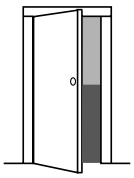
Technical Support **1-800-810-WIRE (9473)**
Contact Technical Support for product specific product questions and troubleshooting

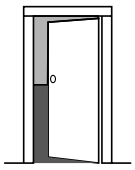
Finishes

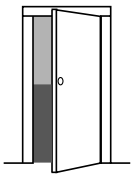
SARGENT Symbol	BHMA Symbol	Material
03	(BHMA 605)	Bright brass, clear coated
04	(BHMA 606)	Satin brass, clear coated
09	(BHMA 611)	Bright bronze, clear coated
10	(BHMA 612)	Satin bronze, clear coated
10B	(BHMA 613)	Dark oxidized satin bronze, oil rubbed
10BL		Dark oxidized satin bronze, clear coated
15	(BHMA 619)	Satin nickel, clear coated
20D		Statuary bronze dark powder coated
26	(BHMA 625)	Bright chromium plated
26D	(BHMA 626)	Satin chromium plated
32	(BHMA 629)	Bright stainless steel
32D	(BHMA 630)	Satin stainless steel

Handing of Doors
(View from the outside of door)


LEFT HAND HINGES LEFT. OPEN INWARD. "LH"


LEFT HAND REVERSE BEVEL HINGES LEFT. OPEN OUTWARD. "LHRB"


RIGHT HAND HINGES RIGHT OPEN INWARD. "RH"


RIGHT HAND REVERSE BEVEL HINGES RIGHT. OPEN OUTWARD. "RHRB"

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ElectroLynx®. The easy answer to your hardwiring issues.

ASSA ABLOY Door Security Solutions has revolutionized the installation of electromechanical door hardware with ElectroLynx, a wiring system of universal plug-in connectors and standardized color-coded wiring that makes installation a snap. Now, sophisticated access control products can be connected quickly and easily. Rapidly becoming the industry standard, this fool-proof system is as easy as plugging a telephone into a jack.

ElectroLynx components – including the frame, hinge or pivot, door and locking hardware – are pre-wired with plug-in connectors that snap together to create a fully-wired electrical opening. The plugs and wiring are concealed to preserve the aesthetics of the opening and facilitate any future hardware changes.

NOTE: The ElectroLynx Connector & Color Chart is used to determine wire color and position within the Molex Connectors. All the products are supplied with an 8-pin or/and 4-pin connector.

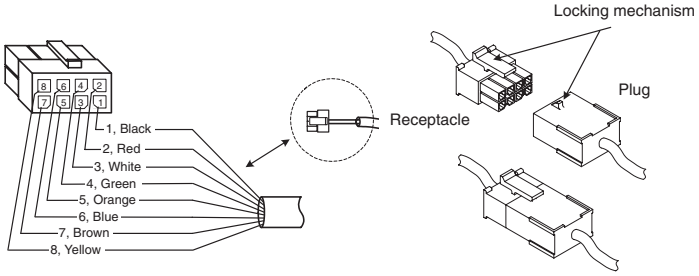
PRODUCT	8 PIN CONNECTOR								4 PIN CONNECTOR				FLYING LEADS		
	1-Black	2-Red	3-White	4-Green	5-Orange	6-Blue	7-Brown8	-Yellow	9-Violet	10-Gray	11-Pink	12-Tan	13-Red/ Green	14-Red/ Yellow	15-Red/ Black
CYLINDRICAL LOCKS	POWER		I/S LEVER MONITORING												
10-LineSolenoid Cylindrical Locks	Power 12 or 24VDC or AC		RX- SWITCH OPTION												
	NEG	POS	CN	ON	C										
MORTISE LOCKS			LEVER MONITORING			LEVER MONITORING				LATCH OR D/B MONITORING					
8200 Series Solenoid Mortise Locks	Power 12 or 24VDC or AC		RX- SWITCH OPTION (CASE)			RX- SWITCH OPTION (CAP)				LX- OR DX- SWITCH OPTION					
	NEG	POS	CN	ON	CC		NO	NC		CN	ON	C			
ELECTRO-MECHANICAL EXIT TRIM			O/S LEVER MONITORING												
ET Solenoid 70,71, 72 & 73 Functions	Power 12 or 24VDC or AC		54-SWITCH OPTION												
	NEG	POS	CN	ON	C										
EXIT DEVICES			LATCH MONITORING			RAIL MONITORING									
80 & P8 Series Exits TL-, 53-, 55-, 56- & 58-	POWER 24VDC		53- SWITCH OPTION			55-SWITCH OPTION			TL- OPTION 24VDC or AC		56- TIMER CIRCUIT				
	NEG	POS	C	53-NO 56-EG	53-NC 53-56-NO	CN	ON	C	NEG	POS	AB				
ALARMED EXIT DEVICES															
SARGENT - 5100,5800	POWER 9VDC OR AC		MS												
	NEG	POS	POS												
SARGENT - 540,550	POWER 9VDC OR AC		REMOTE MONITOR, DOOR STATUS, REMOTE RESET - FIELD SELECTED												
	NEG	POS													
DELAYED EGRESS EXIT DEVICES															
80 & P8 Series Exits 57-Delay Egress	POWER 24VDC		FIRE ALARM	EARTH GROUND	EXTERNAL INHIBIT	DOOR STATUS	EXTERNAL MAGNET								
	NEG	POS	*	EARTH GROUND			NEG	POS							
80 Series 59- Electroguard	POWER 24VDC		FIRE ALARM	EARTH GROUND	EXTERNAL INHIBIT	DOOR STATUS	REMOTE ALARM RELAY		LBM - OPTION				VOICE/GANG		
	NEG	POS	*	EARTH GROUND			CN	ON	CC		NO	NC	CN	ON	C
ACCESS CONTROL DEVICES															
G1.5 Profile Series Access Control Products	9VDC		RX-	EARTH GROUND	RX-D						MD	M			
	91-Option Remote Power Supply										G1.5				
	NEG	POS	POS	EARTH GROUND	NEG						AB				
N1 Profile Series Wiegand Access Control	12 or 24VDC		LC	EARTH GROUND	DPS INPUT	RS485 DATA-A	RS485 DATA-B								
	NEG	POS	C	EARTH GROUND											

Hardwiring Made Easy™

ElectroLynx®

As part of their promise to provide innovative, fast and effective, and higher security solutions to their customers, ASSA ABLOY Group companies offer ElectroLynx, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY, Inc.



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eSARGENT Electro-Mechanical Access Control
Profile Series v.N1
Wiegand Access Control Products

The Profile Series v.N1 products are easily integrated into an existing Open Architecture Wiegand Access Control Platform. The Profile Series v.N1 is available with both keypad and proximity or proximity alone. The v.N1 is housed in a sleek, architecturally pleasing design. Both technologies are supported by the physical security of a SARGENT ANSI/BHMA Grade 1 mechanical locking device: 8200 Mortise Lock, 10 Line Cylindrical or the 80 Series Exit Devices. These locking devices are UL Listed for use on fire doors. Many lever designs and finishes for the v.N1 Series are offered for all three lock types to create design continuity.

The Profile Series v.N1 features door and tamper monitoring capabilities which are an integral part of the design. Access control information is transferred between the lockset and an interface module utilizing serial (RS485) communications. The Profile Series v.N1 product line offers solenoid (fail safe or fail secure) operation.

Common Features of Profile Series v.N1 Products

- A hard-wired platform for use with existing Wiegand compatible access control systems
- Centralized control of all locks from a PC(s) using 3rd party access control software
- Weatherseal gasket, conduit and shroud are available for exterior door applications (Optional, order separately)
- LED's on unit are configurable for green or red operation
- Audible beep sounds with each keystroke or can be disabled through programming
- UL Listed for fire doors (12- for exit devices)
- UL Listed to Canadian safety standards
- Hard power required, 12VDC and 24VDC fail safe or fail secure versions available (v.N1 Cylindrical Locks only available in 24VDC)
- 24VDC locksets draw 1/4A, 12VDC locksets draw 1/2A of current
- ElectroLynx connector system standard
- Monitoring available and dependent on lock type selected
- Tamper Capability: Any break in RS485 link or removal of the inside cover will yield tamper condition
- Cylinder override standard

NOTE: Interface Module is required for v.N1 to communicate with an existing Wiegand compatible access control system

NOTE: v.N1 Exit Device latchbolt monitoring & v.N1 Mortise Lock latchbolt and deadbolt monitoring require an Auxiliary Relay Module to be incorporated into the Interface utility box. The Auxiliary Relay Module is specified with an -R suffix

NOTE: Auxiliary Relay Module is not necessary for Cylindrical Lock Designs

v.N1 Lock Functions

Cylindrical Lock

Mortise Lock

Rim Exit

10 Line Cylindrical Lock Functions

Cylindrical Functions

N1-10G270 - Fail Safe with cylinder override

N1-10G271 - Fail Secure with cylinder override

8200 Mortise Lock Functions

Mortise Functions

N1-82270 - Fail Safe - Entry Lock with cylinder override

N1-82271 - Fail Secure - Entry Lock with cylinder override

N1-82272 - Fail Safe - Security Lock - both levers lock with external cylinder override

N1-82273 - Fail Secure - Security Lock - both levers lock with external cylinder override

N1-82280 - Fail Safe - Entry Lock with deadbolt and cylinder override

N1-82281 - Fail Secure - Entry Lock with deadbolt and cylinder override

N1-82282 - Fail Safe - Security Lock - both levers lock with external cylinder override and deadbolt

N1-82283 - Fail Secure - Security Lock both levers lock with external cylinder override and deadbolt

80 Series Exit Device Functions

Exit Device Functions

N1-8875 - Fail Safe - Rim Exit Device with cylinder override; always allows free egress

N1-8876 - Fail Secure - Rim Exit Device with cylinder override; always allows free egress

N1-8975 - Fail Safe - Mortise Exit Device with cylinder override; always allows free egress

N1-8976 - Fail Secure - Mortise Exit Device with cylinder override; always allows free egress

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The **Profile Series v.N1 10 Line Cylindrical Lock** offers the ability to seamlessly integrate Grade 1 security into an existing Wiegand compatible access control system. Door monitoring capabilities include Request to Exit which monitors movement of the inside lever. NOTE: External door position switch (DPS) is included with product, but requires external wiring back to the controller.

The **Profile Series v.N1 Mortise Lock** product integrates SARGENT's 8200 Series Grade 1 mortise lock into an existing Wiegand compatible access control system. Monitoring capabilities include latchbolt and deadbolt monitoring, request to exit, and door position status, all designed within the mortise lockbody.
Note: Latchbolt and/or deadbolt monitoring requires that the Auxiliary Relay Module be incorporated into the Interface Module so that monitoring is incorporated within the system. All v.N1 mortise lockbodies include the latchbolt monitoring switch; deadbolt versions include both latchbolt and deadbolt monitoring switches.

The **Profile Series v.N1 Exit Device** offers the ability to seamlessly integrate SARGENT's 80 Series Grade 1 rim and mortise exit devices into an existing Wiegand compatible access control system. Additionally, higher security is achieved by monitoring capabilities which include latchbolt monitoring, request to exit (rail monitoring) as standard.
Note: Latchbolt monitoring requires that the Auxiliary Relay Module be incorporated into the Interface Module so that monitoring is incorporated into the system. An external door position switch is used to further augment door monitoring.

The Profile Series v.N1 has a clean, crisp design and is available with a wide variety of lever designs and hardware finishes.

Interface Modules and Available Options

Two versions of Interface Modules are available for either up to 4 or 2 doors

The following options are available for both versions of Interface Modules

- Mounted in 12"x12" utility box
- Mounted in 12"x12" utility box w/ tamper switch
- Mounted in 12"x12" lockable utility box
- Mounted in 12"x12" lockable utility box with tamper switch

Lever Designs

Refer to pages 14 and 15 for lever selections

Finishes

03, 04, 09, 10, 10B, 10BL, 15, 20D, 26, 26D

NOTE: For complete v.N1 product offerings, see the v.N1 Catalog available at www.sargentlock.com

Overview Comparison of v.N1-PA and v.N1-PK

Access	**v.N1-PA**	**v.N1-PK**
Keypad	—	Yes
Proximity	Yes	Yes
RF Technology	—	—
Programming	Network	Network
Supports 26 through 39 bit 125 kHZ HID bit formats including 35 bit Corporate 1000	Yes	Yes
Power Requirements	**v.N1-PA**	**v.N1-PK**
Power Supply	External	External
Hard Wiring	Required	Required
Fire Specs	**v.N1-PA**	**v.N1-PK**
UL Listed for Fire Doors	Yes	Yes

NOTE: All Keypads & Profile Series Locks are available with Cylindrical, Mortise & Exit Devices
NOTE: Dash (-) means either Not Available or Not Applicable

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eSARGENT Electro-Mechanical Access Control
Profile Series v.G1.5
Stand Alone Access Control Products

SARGENT
ASSA ABLOY

Overview for Profile Series v.G1.5

The enhanced v.G1.5 Profile Series of stand-alone access control products provide a broad selection of technologies and new programming features with ANSI/BHMA Grade 1 mechanical locks, housed in a sleek, architecturally pleasing design.
NOTE: All v.G1.5 products are ordered as G1. The G1.5-LU series offers keypad only, the full-featured G1.5-TP series includes keypad, proximity and RF technology. The locks are programmed via PDA data transfer; all units utilize a battery powered microprocessor based controller with non-volatile memory to preserve user's codes. The Profile Series v.G1.5 is available with SARGENT 8200 series mortise lock, the 10 line cylindrical lock and the 80 series rim and mortise exit devices. These locking devices are UL Listed for use on fire doors. All technologies with the keypad feature offer access codes which may vary from 1 to 6 digits and utilize a master code for keypad programming. Various locking modes allow the operation of the lock to be tailored to each opening and individual user. Typical modes include panic, adjustable momentary unlock and passage.

NOTE: Functions available are listed at the bottom of page 7

Cylindrical Lock

Mortise Lock

Rim Exit Device

Feature Comparisons

Access	**v.G1.5-LU**	**v.G1.5-PK**	**v.G1.5-PA**	**v.G1.5-TU**	**v.G1.5-TP**	**v.G1.5-TA**
Stand Alone Unit	Yes	Yes	Yes	Yes	Yes	Yes
Keypad	Yes	Yes	-	Yes	Yes	-
Proximity	-	Yes	Yes	-	Yes	Yes
RF Technology	-	-	-	Yes	Yes	Yes
Programming	PDA/Keypad	PDA/Keypad	PDA	PDA/Keypad	PDA/Keypad	PDA
SofLink Plus™ with PDA	Yes	Yes	Required	Yes	Yes	Required
Directly supports 26, 33 & 34 bit 125 kHZ HID Wiegand bit formats*	-	Yes	Yes	-	Yes	Yes
Supports all 125kHz HID Wiegand (up to 40) bit formats with Enrollment Station	-	Yes	Yes	-	Yes	Yes
Non Volatile Memory	Yes	Yes	Yes	Yes	Yes	Yes
Power Requirements	**v.G1.5-LU**	**v.G1.5-PK**	**v.G1.5-PA**	**v.G1.5-TU**	**v.G1.5-TP**	**v.G1.5-TA**
Battery Life (Estimate)	75,000 cycles	75,000 cycles	75,000 cycles	4-1/2 Mo.	4-1/2 Mo.	4-1/2 Mo.
Batteries	6 "AA"	6 "AA"	6 "AA"	6 "AA"	6 "AA"	6 "AA"
Low Battery Indication	Yes	Yes	Yes	Yes	Yes	Yes
Hard Power Available	Yes	Yes	Yes	Yes	Yes	Yes
Users & Codes	**v.G1.5-LU**	**v.G1.5-PK**	**v.G1.5-PA**	**v.G1.5-TU**	**v.G1.5-TP**	**v.G1.5-TA**
# of Users Supported per Lock	2,000	2,000	2,000	2,000	2,000	2,000
# of Users Supported by Database	20,000	20,000	20,000	20,000	20,000	20,000
Audit Trail	2,000	2,000	2,000	2,000	2,000	2,000
Code: Number of Digits	1 to 6 Digits	1 to 6 Digits	-	1 to 6 Digits	1 to 6 Digits	-
Master, Emergency & Supervisory Codes	Yes	Yes	Yes	Yes	Yes	Yes
Standard, Extended, Passage Codes	Yes	Yes	Yes	Yes	Yes	Yes
Panic, Lockout Codes	Yes	Yes	Yes	Yes	Yes	Yes
Comm Unlock, Relock Codes	Yes	Yes	Yes	Yes	Yes	Yes
Temporary User Codes	Yes	Yes	Yes	Yes	Yes	Yes
Features	**v.G1.5-LU**	**v.G1.5-PK**	**v.G1.5-PA**	**v.G1.5-TU**	**v.G1.5-TP**	**v.G1.5-TA**
Real Time Clock with Date & Time	Yes	Yes	Yes	Yes	Yes	Yes
Up to 8 Time Zones per Lock	Yes	Yes	Yes	Yes	Yes	Yes
Holidays (16 Single & 16 Blocked)	Yes	Yes	Yes	Yes	Yes	Yes
Daylight Savings Time	Yes	Yes	Yes	Yes	Yes	Yes
Auto Unlock	Yes	Yes	Yes	Yes	Yes	Yes
Auto Unlock with First In	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable Features	**v.G1.5-LU**	**v.G1.5-PK**	**v.G1.5-PA**	**v.G1.5-TU**	**v.G1.5-TP**	**v.G1.5-TA**
Unlock Time Adjustability	1-99 Sec.	1-99 Sec.	1-99 Sec.	1-99 Sec.	1-99 Sec.	1-99 Sec.
Audible Keystroke Beep Available	Yes	Yes	-	Yes	Yes	-
Remote Unlocking	Yes	Yes	Yes	Yes	Yes	Yes
UL Listed for Fire Doors	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Dash (-) means either Not Available or Not Applicable

* Directly supports 35 bit (Corporate 1000) or other formats with special requirements. Consult factory.

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Standard Features of the v.G1.5

- Audit Trail provides information such as access granted in, access denied, entry into programming mode, date, time, user and door information
- Low battery indication – four chirps after code entry. Master and emergency code will operate lock after the low battery indication period has passed and user codes no longer operate the lock
- Moisture resistant coating on electronics
- Entry of three wrong user codes in succession disables all codes for ten seconds
- UL Listed to Canadian safety standards
- Forced and propped door option
- For use on exterior doors with weatherseal gasket, conduit and shroud (Optional, order separately
- One master code – Forced master code from factory default assigns emergency, supervisory and user codes and allows entry when deadbolt is thrown (mortise locks)
  - Multiple supervisory codes – Allows temporary lockout of selected users, change unlock time duration,request infrared interrogation output and add user codes
  - One emergency code – Allows entry when dead bolt is thrown (mortise locks). Unlocks after the low battery indication period has passed and user codes no longer operate lock
  - Temporary codes by number of uses (1-500), start-and-stop dates or total days after first use (24 hour specific)
  - Maintained (passage) code – Unlocks for extended periods of time
- Remote power and request to enter available – Requires wire harness (52-3010) and hard wiring

Keypad Features

- LEDs on unit indicate status – Green indicates unlocked; yellow indicates programming mode

Proximity Features

- Supports all HID 125 KHz Wiegand formats (up to 40 bit) by Keypad Presentation or when using proximity enrollment station ES-G1 with SofLink Plus 5 software
- Supports 26, 34 & SARGENT 1000 (33 bit) HID formats with SofLink Plus™ version 4.0 or higher software programming

RF Technology

RF technology allows the user to remotely control the lock by means of a hand-held transmitter (RF Fob).

The Profile Lock is easily programmed for three primary RF actuation modes: Passage, Standard or Panic.

Outside Escutcheon

Cylindrical Lock Shown

Inside Escutcheon

Actuation Indicator

52-2551 RF Fob

NOTE: RF Fob sold separately

NOTE: RF Technology (G1-TU, G1-TP, G1-TA) will provide approximately 4-1/2 months of battery life

Primary modes of RF Technology

Passage: Remotely toggle (lock/unlock) the unit which remains locked/unlocked until the RF Fob is pressed again. Convenient applications: To unlock doors for extended periods of time; employee entrances, office suites, etc.

Unlock/Relock: Remotely unlock for a defined period of time (1 to 99 seconds) and then automatically relock at the end of that time period. Typical applications: Security entrances, guard stations, anywhere an electric strike is not feasible and/or an audit trail is desired.

Panic: An RF Fob set as a "Panic User" can be used to quickly and easily lock entry doors remotely during emergency situations to prevent entry by intruders. Remains locked until reset by Master Code.

Features of the RF Technology

- RF technology with v.G1.5 is available with keypad as G1.5-TU, keypad & proximity as G1.5-TP and with proximity as G1.5-TA
- UL and cUL Listed for fire doors
- Typical operating distance of 35 to 75 feet on inside of door; 10 to 25 feet on outside of door*
- Profile Series v.G1.5 is ideal for retrofit applications: Minimal door prep with no frame prep, wiring or power supply needed
- Multiple RF Fobs may be programmed into a single lock
- LED indicator on inside escutcheon shows when RF lock is actuated
- Cylindrical, Mortise and Exit Device locking types available
- All Profile Series v.G1.5 finishes and levers available, including Coastal Series and Studio Collection
- Supported by SofLink Plus™ w/ SofLink PDP™ application software

* Operating distance may vary depending on building construction

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SofLink Plus™ 5.0 w/ SofLink PDP™ 4.0 Access Control Management System

The SofLink Plus 5.0 w/ SofLink PDP 4.0 Access Control Management Software allows simple programming and interrogation of the Profile Series v.G1.5 access control products. This software provides the means for fast, convenient assignment of access levels, doors, users, time zones, and management of multiple doors with full audit trail capability. Communication between the computer and lock controller is via a PDA that allows for quick and efficient program transfer and audit trail retrieval.

SofLink Plus™ 5.0 w/ SofLink PDP™ 4.0 Features

SofLink Plus 5.0 with SofLink PDP 4.0

CD-SLP5

- Password protected
- Supports 2,000 users per lock
- 20,000 user name database
- 2,000 event transaction history – audit trail to include user entry, date, time, user number, access denied, passage on, passage off, auto unlock, time zone denied, print, audit trail release, program mode, program mode denied, etc.
- Master code entry at keypad or presentation of “Master” or “CommEnable” proximity credential at lock initiates PC download programming
- User friendly help feature
- Extensive report generating feature
- Directly supports 26, 33 and 34 HID 125kHz Wiegand bit formats or all (up to 40 bit) formats when using the proximity Enrollment Station
- For directly supporting 35 Bit Corporate 1000 Format or other formats, consult factory
- Designed for operation with Personal Digital Assistant (PDA) running Palm OS®
- PDA provides convenient (wireless) means of transferring door information to and from lock using SofLink Plus™ w/ SofLink PDP™ software
- Capable of up/down loading door information for up to 50 doors

NOTE: Number of stored files is dependent on the amount of non-related SofLink Plus™ w/ SofLink PDP™ software applications and data (e-mail messages, address data, to do items, memos, etc.) loaded on the PDA.

- Five additional compatible PDA's: Palm Zire 31, Zire 72, TX, Tungsten E2 and Aceeca Meazura
- Access the database(s) from multiple PC locations
- New, more detailed reporting
- Auto Backup prompts
- "User-Friendly" System Setup Task List Guide
- Enable/Disable user capability
- Auto Unlock with or without “first in” authorization
- First-in Auto-Unlock by specified users
- Temporary Codes by number of uses, (1-500), start-and-stop dates or total days after first use (24 hour specific)
- "Forced" Master Code (from Factory Default)
- Multiple Supervisory users
- Allows customized access levels managed at PC
- User name import from an external database
- Easy to follow data entry
- Real time clock with date and time
- Eight different time zones per lock
- Holidays (16 single days and 16 blocked)
- Forced/Propped Door log events - harness required (option)
- Daylight savings time
- 20,000 users (up from 10,000)
- Use of new PDAs (Palm's Zire 31, Zire 72 & Tungsten E2)
- Access the database(s) from multiple PC locations
- New, more detailed reporting

SofLink Plus 5.0 provides existing v.G1 and 4293 Wall Prox users with these additional features

- Auto Backup prompts
- "User-Friendly" System Setup Task List Guide
- Enable/Disable user capability
- Use of proximity Enrollment Station
- "Forced" Master Code (from Factory Default)
- Multiple Supervisory users

v.G1.5 controllers WITH SofLink Plus 5.0 software will provide these features

- First-in Auto-Unlock by specified user
- Temporary Codes by number of uses (1-500), start and stop dates or total days after first use (24 hour specific)
- New, more detailed reporting
- Auto Backup prompts
- "User-Friendly" System Setup Task List Guide
- Enable/Disable user capability
- Use of proximity Enrollment Station
- "Forced" Master Code (from Factory Default)
- Multiple Supervisory users

NOTE : v.G1.5 Controllers require Soflink 5.0, if software is being used.

v.G1.5 controllers WITHOUT any software will provide these additional features over v.G1 controllers

- “Forced” Master Code (from Factory Default)
- Multiple Supervisory users

Hardware Requirements

- Windows 2000/XP (to include all subsets)
- VGA monitor
- CD ROM drive
- Instruction Manual included
- Personal Digital Assistant (PDA)

NOTE : For a complete list of compatible PDA's, visit www.sargentlock.com

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eSARGENT Electro-Mechanical Access Control
Profile LK Series Stand Alone Access Control
Profile LU, PK & PA Series Stand Alone Access Control

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Profile Series LK (100 Users), LU, PK & PA Series (500 user)

- **The Profile LK, LU, PK & PA products are still available and supported for facilities with these Profile Series products, which existed prior to the Profile Series v.G1 & v.G1.5**
- **The Profile LK, LU, PK & PA Series software and electronics are not compatible with the Profile Series v.G1 & v.G1.5 products. Please consult factory when ordering software for these products**

All Profile Series configurations (LK, LU, PK & PA) are available with SARGENT 8200 Series Mortise Locks, 10 Line Cylindrical Locks and 80 Series Rim and Mortise Exit Devices. Available functions are the same as the v.G1.5 listed on the bottom of this page.

The Profile "LK" stand-alone access control products are designed for areas that require authorized entry, such as stairwell doors, meeting rooms, company health clubs, etc. Microprocessor based technology with non-volatile solid state memory ensures that codes will not be lost even if batteries stop functioning. The controller retains a total of 100 different user codes varying in length from one to six digits. All programming is done through the keypad.

The "LU" (keypad only) configuration of stand-alone access control products are ideal for dormitories, assisted living facilities, hospitals, retailers, apartments and office complexes. Programming is done through the keypad for most basic functions. The controller will retain a total of 500 different user codes varying in length from one to six digits.

The "PK" (proximity/keypad) version of stand-alone access control products offers the highest level of security and flexibility. These products can be programmed to require both a code (1-6 digits) and proximity card/fob/tag presentation to gain entry. It can also be programmed for keypad or proximity presentation only.

The "PA" (proximity alone) configuration of access control provides a higher level of security since all programming must be handled through previous version SofLink Plus™2.0 w/ SofLink PDP™ 1.0 application software. This configuration is ideal for high traffic applications where keypad usage is not desirable: universities, laboratories or hospitals. A "master" Comm Enable proximity card or fob is required to initiate programming of the lock.

Feature Comparisons

Access	LK	LU	PK	PA
Stand Alone Unit	Yes	Yes	Yes	Yes
Keypad	Yes	Yes	Yes	-
Proximity	-	-	Yes	Yes
Programming	Keypad	PDA/Keypad	PDA/Keypad	PDA
Supports HID Proximity Bit Format	-	-	Yes	Yes
SofLink Plus™ 2.0 with PDA (serial connection only)	-	Yes	Yes	Required
Supports HID 125kHz Bit Format 26, 33 & 34	-	-	Yes	Yes
Non Volatile Memory	Yes	Yes	Yes	Yes
Power Requirements	**LK**	**LU**	**PK**	**PA**
Battery Life (Estimate)	75,000	75,000	75,000	75,000
Power Supply	6 "AA"	"6 "AA"	6 "AA"	6 "AA"
Low Battery Indication	Yes	Yes	Yes	Yes
Hard Wiring Available	Yes	Yes	Yes	Yes
Users & Codes	**LK**	**LU**	**PK**	**PA**
# of Users Supported per Lock	100	500	500	500
# of Users in Database	N/A	10,000	10,000	10,000
Audit Trail	15	1000	1000	1000
Possible Combinations	1,100,000	1,100,000	1,100,000	1,100,000
Code: Number of Digits	1 to 6 Digits	1 to 6 Digits	1 to 6 Digits	1 to 6 Digits
Master Code	Yes	Yes	Yes	Yes
Emergency Code	Yes	Yes	Yes	Yes
Supervisory Code	Yes	Yes	Yes	Yes
One Time User Code	Yes	Yes	Yes	Yes
Features	**LK**	**LU**	**PK**	**PA**
Real Time Clock with Date & Time	-	Yes	Yes	Yes
Up to 8 Time Zones per Lock	-	Yes	Yes	Yes
Holidays (16 Single & 16 Blocked)	-	Yes	Yes	Yes
Daylight Savings Time	-	Yes	Yes	Yes
Auto Unlock	-	Yes	Yes	Yes
Auto Unlock with First In	-	Yes	Yes	Yes
Maintain Unlock Code (Passage)	Yes	Yes	Yes	Yes
Adjustable Features	**LK**	**LU**	**PK**	**PA**
Unlock Time Adjustability	1-99 Sec	1-99 Sec	1-99 Sec	1-99 Sec
Audible Keystroke Beep Available	Yes	Yes	Yes	-
Remote Unlocking	Yes	Yes	Yes	Yes

Functions available for the Profile Series v.G1.5 and Profile Series LK, LU, PK & PA Locks

Cylindrical Functions

10G77 - Entry Lock with cylinder override

NOTE: For complete v.G1.5, LK, LU, PK and PA product offerings, see the Profile Series v.G1.5 Catalog available at www.sargentlock.com.

Mortise Functions

8276 - Entry lock with deadbolt security and cylinder override

8277 - Entry lock with deadbolt security but no cylinder override

8278 - Entry lock with cylinder override but no deadbolt security

8279 - Entry lock with no cylinder override or deadbolt security

82243 - Dorm function entry lock with cylinder override and deadbolt security Available with v.G1.5 PA & PK options

Exit Functions

8877 Rim with cylinder

8878 Rim exit without cylinder

8977 Mortise with cylinder

8978 Mortise exit without cylinder

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BioFob - Hand held Biometrics Security Device

The BioFob provides biometric security for physical and logical access

- Physical access - The BioFob can be configured with HID or Indala proximity credentials for use with any Profile Series (HID 125 kHz) proximity lock or other HID and Indala readers
- Logical access - The BioFob is capable of computer and network logon along with other various Information Technology applications via third party software
- Fingerprint templates are sensed, processed, stored and matched within the BioFob
- No centralized biometric database is required solving many privacy concerns
- Communicates wirelessly to access points or to specified authorities using existing RF infrastructures making it easy to "overlay" this biometric solution onto existing security systems
- Releases signal after verifying user's identity
- Enrollment Station Software is required to enroll BioFob(s)

BioFob Specifications

Power	Battery type: CR2 lithium cell (included) Battery life: Approximately 1 year; 5 operations per day
Interfaces	User interaction: 3 LEDs (red, yellow, green), 1 push button (power) RF options: Low-frequency RFID, HID and Indala compatible (125 kHz) and Bluetooth™ (2.4 GHz)
Environment	–Operating temperature: +14° F to +140° F (-10° C to +60° C) –Storage temperature: -40° F to +185° F (-40° C to +85° C) –Operating humidity: 90% noncondensing

BioFob being presented to Profile Series Lock

BioFob Security Device

All BioFobs and modules are 26 Bit Format.

For more information on BioFob, see SARGENT Profile Series v.N1 and v.G1.5 catalogs.

BFES BioFob Enrollment Station

The Enrollment Station is **required** to activate a BioFob Security Device for every individual. An individual's fingerprint template is transmitted wirelessly between the BioFob and the computer's Bluetooth adapter. The Enrollment Station software is used to configure the BioFob for a user.

BFES Enrollment Station includes:

- One (1) CD-ROM containing the Enrollment Station software - Model BT
- One (1) Operating Manual and Quick Start Guide
- One (1) CD-ROM containing the driver software and protocol stack for the Bluetooth™ adapter
- One (1) USB attachable Bluetooth™ adapter

System Requirements for the Enrollment Station Software and Bluetooth™ Adapter

Minimum software and hardware requirements:

- Microsoft Windows 2000 or Microsoft Windows XP
- 64 megabytes of RAM
- 20 megabytes of available hard drive space
- One available USB port
- 800 x 600 minimum

BF6 Bluetooth Adapter and Driver Software Replacement Package includes:

- CD-ROM containing the driver software and protocol stack for use with the Bluetooth™ adapter
- One (1) USB attachable Bluetooth™ adapter

Configuration Module (USB Dongle) - BF7, BF8, BF9 and BF10

A configuration module (also known as a dongle) attaches to the computer's USB port. It is required to encode an uncoded Biofob (BF4) or recode any BioFob with a Site Code & Proximity ID.
The configuration modules are available with either HID or Indala proximity ID's with either 25 or 100 proximity ID's per module.

INDALA®

PROX BY HID

PRIVARIS
SECURITY WITH PERSONAL PRIVACY

The SARGENT BioFob was developed in partnership with Privaris, Inc., a technology company dedicated to solving security and privacy concerns for government and commercial applications.

NOTE: For more information on Biometric Security product offerings, see the v.G1.5 Catalog or the v.N1 Catalog. Both catalogs are available at www.sargentlock.com.

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Access Credential Features

- 26 to 39 bit Wiegand format available (Consult factory for details)
- Provides higher level of security when combined with keypad operation
- HID-based proximity cards, fobs or tags
- Allows integration into existing facilities with HID-based technology
- SARGENT standard credentials are 26 Bit Wiegand format, Site Code 20 and Proximity ID assigned by SARGENT
- Custom credentials available with customer assigned Site Code and Prox ID#'s

HID technology allows Access Control software to read other formats provided site code is known.
For a higher level of security, custom cards, fobs or tags with unique site codes are available. Consult factory.

PROX BY HID

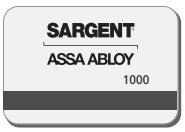
SARGENT HID ProxCard II™

- Cat # PCH-L70 for SARGENT logo on card
- Cat # PCH-B70 for Blank (white) card
- Includes punched hole for attaching card to clasps by others

ISO Prox Card II™ (Printable Card)

- Cat # PCH-L30 for SARGENT logo on card
- Cat # PCH-B30 for Blank (white) card

DuoProx™ Card



ProxCard II, DuoProx™, Micro-Prox™ and ProxKey II are trademarks of HID Corporation

- Consult factory for special order

MicroProx™ Tag

Two Versions available:

- Catalog # MPT
- Catalog # MPT-C

NOTE: The MicroProx™ Tag should be attached to magnetic stripe cards so that contact with the magnetic card reader is avoided.

PF SARGENT ProxKey II™

- Catalog number is #PF for SARGENT ProxKey II™

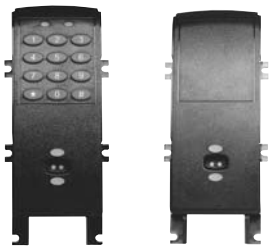
PF-C Custom ProxKey II™

- Catalog number is #PF-C for Custom SARGENT ProxKey II™

NOTE 1: Profile Series v.G1.5 will support all HID bit formats when proximity credentials are programmed directly into keypad (Presentation Method)

NOTE 2: SofLink Plus™ w/ SofLink PDP™ software directly supports 26, 33 and 34 HID 125 kHz Wiegand bit formats or all (up to 40 bit) when using the Enrollment Station, ES-G1.5. Consult factory for additional formats (such as 35 bit HID Corporate 1000 format).

Keypad Assemblies



Controller

Keypad Assemblies and Controllers are available for Profile Series v.G1.5 and v.N1 Products. See appropriate catalog for details and part numbers.

NOTE: Replacing existing G1 controllers with G1.5 controllers provides the following new features:

- "Forced" Master Code change from factory default
- Multiple Supervisory users
- First-in Auto-Unlock by specified users (SofLinkPlus 5.0 required)
- Temporary Codes by number of uses (1-500), start-and-stop dates or total days after first uses (SofLinkPlus 5.0 required)

Weatherseal Gasketing

- Provides sealing between outside escutcheon and door for exterior applications
- Gasketing (included) recommended for non-fire rated exterior applications

Enrollment Station Catalog #ES-G1.5

- Enrolls HID 125 kHz Wiegand output (up to 40-bit format) proximity cards into software when bit format and/or site code is unknown
- PC Serial com port required
- SofLinkPlus 5.0 or higher required

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eSARGENT Electro-Mechanical Access Control
Profile Series v.G1.5
4293 Wall Proximity Reader and Keypad

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SARGENT's new 4293 stand-alone prox reader and keypad offers all of the expanded capabilities of the Profile Series v.G1.5 hardware, incorporated nicely into this hard-wired reader.

The 4293 Wall Prox unit is managed from a personal computer using SofLink Plus Version 4.0 or higher software. The 4293 Wall Prox unit is equipped with IR (infrared) communications which allow the unit to be programmed with SofLink PDP software. In addition, the 4293 Wall Prox unit can be programmed with the unit's keypad.

No separate controller is needed for the 4293 Wall Prox, eliminating the need to run cables from a reader to a controller. The independent unit includes built in HID proximity technology, a keypad, and the controller.

Features

- 12VDC or 24VDC, 70mA hard-wired Proximity reader
- 2 Amp main lock relay contact rating
- 2,000 users and 2,000 audits
- Database capacity of 20,000 individual users
- Weather Resistant electronics (gasket included)
- Supports all HID 125 KHz Wiegand formats (up to 40 bit) by Keypad Presentation or when using proximity enrollment station ES-G1 with SofLink Plus 5 software
- Supports 26, 34 & SARGENT 1000 (33 bit) HID formats with SofLink Plus™ version 4.0 or higher software programming
- Separate (auxiliary) 2 amp relay to signal alarm shunt, propped or forced door (must use door status switch)
- Audible Alert for propped or forced door
- Can locate proximity antenna up to 10' from keypad/controller
- Glass mounting kit provided

Dimensions:
Length: 5-1/4"
Width: 2-3/4"
Depth: 1-5/8"

NOTE: RF technology is not available with 4293 Wall Proximity Reader & Keypad

Access System Requirements

Software Requirements:
- SofLink Plus™ Version 4.0 or higher software
- SofLink PDP software

Hardware Requirements:
- Windows 2000/XP (to include all subsets)
- IBM-compatible Pentium-class computer
- 30MB available hard disk space
- VGA monitor
- CD-ROM drive
- Mouse
- Personal Digital Assistant (PDA)

NOTE: For a complete list of compatible PDA's, visit www.sargentlock.com

Applications

The 4293 Unit can be used with:
- Electric Latch Retraction (56-80 Series Exit Devices)
- Solenoid Operated Locks & Trim
  - 10 Lines Locks (10G70/10G71)
  - 8200 Mortise Locks (8270 through 8273)
  - Exit Devices (Functions 73 through 76)
- Electric Strike (HES 1006)

12VDC or 24VDC SARGENT Power Supplies for 4293
- 24VDC Supplies
  Model # 3520, 3540 and/or 3570
- 12VDC Supplies
  Model # 3521, 3541 and/or 3571
- Battery backup available on all 6 models
  Power Transfer options to the door
  (Not required for Electric Strikes)
- McKINNEY Electric Hinges (pg 28 of this catalog)
- 3261 Armored Door Loop (pg 28 of this catalog)

How to Order

Specify quantity needed and the product name - 4293

No options available for the 4293

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3267 Remote Power

- Provides filtered and regulated 9VDC remote power for Profile Series v.G1.5 Locks
- Each unit can supply power to 2 Profile Locks
- 52-0256 - Optional 12VDC Gel Cell battery; allows for continuous operation during a power failure (See next column for description).
- Recommend doors with ElectroLynx or raceway*

* Retrofit application may require surface mounted wire mold and transfer loop

Includes:

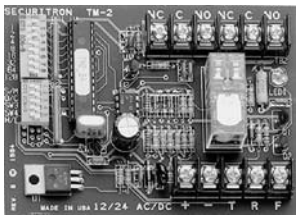
- Plug-In Wall Transformer (52-0255) and (52-0258) 12' (3.6m) of shielded wire for connection between power transfer and power supply (Maximum length of 50' (15.2m) recommended)

24 VDC Power Supplies: Models 3520, 3540, 3570

- UL Class 2 Listed
- Three models available rated: 1, 2 or 6 Amps
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (738-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on & off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

Timer Model - TMR2 Multi-Function



Operating Temperature

0° to 43°C [32° to 110°F]

- Industrial quality Multi-Function timer
- Operates on 12 or 24VDC or VAC
- 5 Amp DPDT relay
- Dip switches select exact delay times
- Delay Times of 1 to 255 seconds or minutes
- Seven operating modes
- Trigger can be from an N/O or a N/C switch

52-0255 Plug-In Wall Transformer

- Output 16.5 VAC, 2.4 Amps
- UL/cUL Listed
- Provides input power to Model 3267 Remote Power supply module

52-0258

- Cable Assembly-Power Supply to Power Transfer
- 12' (3.6m) shielded cable from the power to the power supply

52-2498

- 9VDC, 700 mA Power Supply circuit board
- Replacement circuit board assembly

52-0256 Gel Cell Battery

- Provides continuous operation of Profile Series and Alarmed Exit devices during a power failure
- 12VDC 1.2 A/Hr rating
- 10,000 cycles typical in the event of power failure

12VDC Power Supplies: Models 3521, 3541, 3571

- UL Class 2 Listed
- Three models available: 1, 3 or 6 Amps
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on & off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

Timer Model - TMR9 Release Hold Timer

Operating Temperature

0° to 43°C [32° to 110F°]

- 3 amp SPDT relay
- 2-36 seconds release time
- Release time is precisely set via dip switches
- Ultra miniature timer
- Normally open switch triggers TMR9

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eSARGENT Electro-Mechanical Access Control Keypad Operated Locks

The KP Series Keypad locks are designed for openings that require stand alone, basic authorized entry capabilities. They are battery powered, motor driven, self contained locks that use a microprocessor based controller with non-volatile memory. All programming is done at the door using the keypad with functions selected by the user according to opening requirements. Combined with the physical security of an ANSI Grade 1 mechanical locking mechanism, (bored, mortise or exit device), these locks provide the security and functionality needed to control access to storerooms, offices, stairwells, conference rooms and restrooms.

With the cylinder override feature, the keypad lock can be readily integrated into a new or existing masterkeyed system. Lever trim and finishes are the same as those used with Profile Series Locks and with standard SARGENT mechanical locks, providing for design continuity throughout the building.

Features

- Meets ANSI A156.3 Grade 1 requirements
- Motor-driven
- Operates with 4 "C" alkaline batteries (included)
- Typical 40,000 operations per set of batteries
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Unit can be put in "passage only" mode at the keypad
- Option code available to sound horn every time keypad is pressed
- External remote "request to enter" connector (52-2071)
- External battery input connector included to power unit in case of battery failure
- Infrared link to optional printer (52-2069) shows last fifteen transactions

KP Lock Functions

KP Cylindrical Lock

KP Mortise Lock

KP Mortise Exit Device

Cylindrical Lock Function

- KP10G77 - Entry Lock with cylinder override

Mortise Lock Functions

- KP8276 - Entry lock with cylinder override and deadbolt security
- KP8277 - Entry lock with deadbolt security and without cylinder override
- KP8278 - Entry lock with cylinder override and without a deadbolt
- KP8279 - Entry lock with no cylinder override and without a deadbolt

Exit Device Functions

- KP8877 - Rim Exit Device with cylinder override and always allows free egress
- KP8878 - Rim Exit Device without cylinder override and always allows free egress
- KP8977 - Mortise Exit Device with cylinder override and always allows free egress
- KP8978 - Mortise Exit Device without cylinder override and always allows free egress

Levers

Refer to pages 14 and 15 for lever selections

Finishes

03, 04, 09, 10, 10B, 10BL, 15, 20D, 26, 26D

NOTE: For complete Keypad Operated product offerings, see the Keypad Operated Product Catalog available at www.sargentlock.com.

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eSARGENT Electro-Mechanical Access Control Solenoid Controlled Products & Monitoring Options

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SARGENT's hardwired solenoid operated locks allow for remote locking and unlocking of the trim. They are designed for intermittent and continuous duty use. When used with a concealed circuit hinge (back cover) with ElectroLynx, all wires are hidden in the door to enhance security and maintain aesthetic appeal. All solenoid controlled products and monitoring options are supplied with ElectroLynx connectors to simplify the installation process. Solenoid operated products are Fail Safe (power off, unlocks trim) or Fail Secure (power off, locks trim). Solenoids are UL tested for cycle life, low operating temperature, shock hazard, and fire hazard qualifications.

Electrical Requirements:
Voltage: 12VDC or 24VDC Regulated. Full wave rectification installed inside the lockbody for AC input (12 or 24 volt) applications
Current: .25A at 24VDC or .5A at 12VDC
Operating Temp.: Max. 151°F (66°C)
Min –31°F (-35°C)
UL and CUL listed for use on Fire Doors
NOTE: Repeated operation at voltage exceeding +/- 10% is not recommended

NOTE: 8 Line locks are available with 24VDC solenoids only

Solenoid Operated Locks and Monitoring Options

Electrified ET Trims

73 - Fail Safe without cylinder override
74 - Fail Secure without cylinder override
75 - Fail Safe with cylinder override
76 - Fail Secure with cylinder override

Electrified Exit Mortise Locks with Thumb Piece Trims

70 - Fail Safe with cylinder override
71 - Fail Secure with cylinder override

Monitored Exit Devices

80 Series and P800 Series Electro-Mechanical Exit Devices are available with internal switches for independent monitoring of rail movement (55-), latchbolt monitoring (53-) and outside lever rotation (54-). SPDT type C switches are rated 2A at 24VDC.

- 53- Prefix - (see page 17)
- 54- Prefix - Lever Monitor Switch provides the opportunity to monitor rotation of lever; can be incorporated into an alarm system or deactivate an electromagnet
- 55- Prefix - Prefix - (see page 17)

NOTE: For additional information and other Electrical Exit Options, see the Electro-Mechanical Exit Catalog available at www.sargentlock.com.

Electrified Mortise Locks

8270 - Fail Safe - Entry lock with cylinder override
8271 - Fail Secure - Entry lock with cylinder override
8272 - Fail Safe - Security lock - both levers lock with dual cylinder override
8273 - Fail Secure - Security lock - both levers lock with dual cylinder override

Monitored Mortise Locks

8200 Series Electro-Mechanical Mortise Lever Locks are available with internal switches for independently monitoring inside/outside lever rotation (RX-), latch position (LX-) and deadbolt position (DX-).

- SPDT type C switches, rated 2A at 24VDC
- RX- Request to Exit or Enter
  Two switches mounted internally in lockbody that provide independent monitoring of inside and outside lever rotation
- LX- Latchbolt Monitor
  Single switch mounted internally in lockbody that indicates latch retraction
  – Available for all non deadbolt functions
- DX- Deadbolt Monitor
  Single switch mounted internally in lockbody that indicates deadbolt retraction
  – Available in all deadbolt functions

NOTE: For Solenoid Operated Mortise Locks, see the 7800/8200 Mortise Lock Catalog available at www.sargentlock.com.

Electrified Knob Locks

8G70 - Fail Safe with cylinder override
- Inside knob always free

8G71 - Fail Secure with cylinder over ride
- Inside knob always free

8G74 - Outside knob always rigid
- Power off unlocks inside knob
- Key inside or outside retracts latch
- Fail safe – Asylum

8G75 - Outside knob always rigid
- Power off locks inside knob
- Key inside or outside retracts latch
- Fail secure – Asylum

Electrified Cylindrical Locks

10G70 - Fail Safe with cylinder override
10G71 - Fail Secure with cylinder override

Monitored Cylindrical Locks

10 Line Electro-Mechanical Cylindrical Locks are available with internal switch for monitoring inside lever rotation

- RX- Prefix switch available as a standard option for monitoring of inside lever rotation; can be incorporated into an alarm system or work in conjunction with an electromagnet

NOTE: For Solenoid Operated Cylindrical Locks, see the 10 Line Catalog and the 8 Line Catalog available at www.sargentlock.com.

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eSARGENT Electro-Mechanical Access Control Lever Trim Designs

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- Lever designs C, J, L and P have lever returns within 1/2" (13mm) or less of door face and meet ADA Compliance for national codes

Cylindrical Levers

B Lever Design

- Lever: B–Solid Cast

J Lever Design

- Lever: J–Solid Cast

J lever – not available Interchangeable Core

L Lever Design

- Lever: L–Solid Cast

P Lever Design

- Lever: P–Solid Cast

Coastal Series™ for Cylindrical Levers

G - Gulfport

- Lever: G–Solid Cast
- Must specify hand when ordering

Y - Yarmouth

- Lever: Y–Solid Cast
- Must specify hand when ordering

NOTE: For available knob designs, see the 8 Line Catalog available at www.sargentlock.com

Mortise Levers and 80 Series ET Levers

A Lever Design

- Lever: A-Solid forged or cast
- Must specify hand when ordering

B Lever Design

- Lever: B-Solid forged or cast

E Lever Design

- Lever: E-Solid forged or cast

F Lever Design

- Lever: F-Solid forged or cast

J Lever Design

- Lever: J-Solid bar stock

L Lever Design

- Lever: L-Solid forged or cast

P Lever Design

- Lever: P-Solid forged or cast

W Lever Design

- Lever: W-Solid bar stock

Coastal Series™ for Mortise Locks and 80 Series Exits

- Solid Cast Brass

C - Coronado™

G - Gulfport™

- Must specify hand when ordering

R - Rockport™

S - Sanibel™

- Must specify hand when ordering

Y - Yarmouth™

- Must specify hand when ordering

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SARGENT
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Centro Series

MC

MD

MJ

MP

Notting Hill Series

MQ

MR

MT

MM

Aventura Series

MA

MB

ME

MF

MG

MI

MW

Rialto Series

MO

ML

Odéon Series

MN

MH

MK

MS

MU

MV

NOTE: The Metro Collection of Levers is only available with SARGENT 80 Series Exit Devices, the DL Tubular Locks, 8200 & 7900 Series Mortise Locks and the Profile Series Mortise and Exit products and the Harmony Series.

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eSARGENT Electro-Mechanical Access Control 80 Series Exit Devices: SARGuide® Products, Alarmed Exits and Active Push Rail

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AL-Alarmed 80 Series Exit Devices (AL- Prefix)

SARGENT's AL-80 Series Exit Devices are designed for areas requiring a stand-alone alarm on outward swinging doors. This device has an integrated alarm in the push rail to discourage the unauthorized use of emergency exit doors. The alarm inside the rail sounds immediately upon exit. The AL-80 Series is ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern.

- Microprocessor-based alarm board
- When armed, alarm sounds immediately upon rail depression
- Free entry allowed based on outside trim being used
- Dogging standard on non fire-rated
- All exit devices have tamper resistant latching (deadlocking)
- Battery powered – 9VDC
- 103 dB @ 8 Ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert
- Field selectable continuous alarm option- 3267 Power Supply and 546 Harness Recommended
- Automatic re-arming option (field changeable). Switch returns to "on" position after removal of key.
- UL Listed
- UL Listed to Canadian Safety Standards
- Available with all 80 & P800 Devices, except LP, LR, LS8600, FM8700, WS & HC8800 Devices
- Door Widths: Wide Stile 36" to 48" & Narrow Stile 32" to 48"
- Compatible with 12-, 53-, 58- & TL- Prefixes
- Rail Monitoring & Guarded Latch are standard internal features
- Order as a TL- prefix (e.g., AL-8916 x ETJ x 32D x 36" Door)

AL- Wiring and Retrofit Kits

- See Electro-Mechanical Exit Catalog for additional AL- information, Retrofit Kits and 546 Hard Wiring Harnesses

Active Push Bar with Signal Switch (55-8895)

The active push bar assembly utilizes the same signal switch as the signal switch exit device, but no mechanical latching Available without signal switch for mechanical-only applications, or as a special order with double signal switches.

- Provided with ElectroLynx 8 Pin Connector
- ElectroLynx Hinge for 55- only, is a McKinney QC8

Order as: 55-8895 x Finish x Door Width

NOTE: For complete Electro-Mechanical Exit product offerings, see the Electro-Mechanical Exit Catalog available at www.sargentlock.com.

TL-SARGuide® Electroluminescent Exit Device

SARGENT provides another innovative solution with SARGuide®. This illuminated exit device increases the visibility of exit locations in dark or smoke filled passages, supplementing existing codes for egress lighting. SARGuide® utilizes state-of-the-art FLATLITE electroluminescent lighting from E-Lite Technologies Inc.

- Intuitive operation. Integral "EXIT" signage guides users directly to the means of egress
- Exit devices are placed low enough on a door to provide an extended window of opportunity for safe emergency egress
- Green-blue electroluminescent light provides 3 to 5 times the visibility of other lights
- Can be wired in conjunction with Fire Alarm system or for continuous operation
- UL Listed for use on panic (UL 305) and fire-rated (UL10C) exit devices
- Available with all 80 Series Devices, except FM8700 Devices
- Compatible with 12-, 16-, 53-, 55- & 58- Prefixes
- Provided with ElectroLynx 4 Pin Connector
- ElectroLynx Hinge for TL- only, is a McKinney QC4A
- ElectroLynx Hinge for TL- with 53-, 55-, and/or 58-, is a McKinney QC12
- Requires 24VDC Power Supply
- Door Widths: 26" to 48"
- Order as a TL- prefix (e.g., TL-8813 x ETL x 32D x 36" Door)

LiteGuide™

As part of their promise to provide innovative solutions to their customers, ASSA ABLOY Group companies offer the LiteGuide system, a luminescent egress marking system. LiteGuide installation is facilitated by ASSA ABLOY's ElectroLynx, a universal quick-connect system that simplifies the electrification of the door.

LiteGuide™ is a trademark of ASSA ABLOY, Inc.

PL- Photoluminescent Exit Device (non-electrified)

SARGuide PL Exit Device – with photoluminescent coating – a non electrical option which produces visible EXIT signage in darkness or low lit areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A
- No wiring or maintenance needed
- Recharges from ambient light
- Simple economical installation
- See 80 Series Catalog for more information
- Order as a PL- prefix (e.g., PL-8916 x ETJ x 32D x 36" Door)

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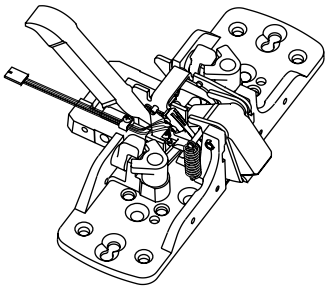
53- Prefix Latchbolt Monitor Switch

The latch bolt monitor provides true, tamper resistant latchbolt monitoring not just rail movement sensing. The monitor switch is activated when the rail is depressed or with actual movement of the latchbolt.



- Available with all 80 & P800 Devices, except LP, LR, LS, PP-, PR- & SP8600, WS & HC8800 Devices
- Door Widths: 24" to 48"
- Compatible with AL- 12-, 16-, 55-, 56-, 58- & TL- Prefixes
- Standard feature with 59- Delayed Egress Electroguard® devices
- Provided with ElectroLynx 8 Pin Connector
- ElectroLynx Hinge for 53- only, is a McKinney QC6
- Field installation kits are not available
- For additional information, Electro-Mechanical Exit Catalog at www.sargentlock.com
- Order as a 53- prefix

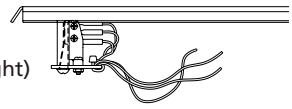
(e.g., 53-8813 x ETJ x 32D x 36" Door)

Signal Switch (55- Prefix)

SARGENT Signal Switch Exit Devices are durable, and easy to install. The signal switch provides push rail monitoring for a variety of applications on non-rated and fire rated (12- prefix) egress doors. The signal switch may be used as a request to exit switch to remotely monitor egress, sound an alarm, initialize a delayed egress system, or de-energize an electromagnetic lock. When used with a continuous circuit hinge (see page 28), all wires are concealed for a tamper resistant and aesthetically pleasing installation. An optional switch in the exit device outside lever trim (54- prefix) may be used to provide the same functionality from the secure side of the door.

Features

- Switch type SPDT form "C" contacts
- 30VDC @ 2 Amp. maximum rating
- All wires run through rail
- Exit devices UL and cUL Listed for Panic and Fire (12-)
- Retrofit Kits Available, See Electro-Mechanical Exit Catalog
- Available as special order with double switches
- Available with all 80 & P800 Devices
- Door Widths: 24" to 48"
- Compatible with 12-, 16-, 53-, 56-, 58- & TL- Prefixes
- Provided with ElectroLynx 8 Pin Connector
- ElectroLynx Hinge for 55- only, is a McKinney QC8
- See Electro-Mechanical Exit Catalog for additional55- information and Retrofit Kits
- Order as a 55- prefix
  (e.g., 55-8713 x ETJ x 32D x 36" Door x 84" Height)



855 Switch Kit

Electric Latch Retraction Rim Exit Devices* (56 Prefix)

SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a motor for latch retraction rather than a solenoid, ensuring quiet operation, ideal for locations such as conference rooms, theaters and libraries. Once retracted the door functions in a push/pull manner. The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire rated devices tied into the building's fire detection system. When de-energized, the push becomes undogged and relocks the door. 56- Rails are shipped with both an ElectroLynx 8- Pin connectors and 4- Pin connector allowing the use of McKinney Hinges and simplifying the electrical installation process.

Features

- On-board adjustable retraction - with just the turn of a dial
- On-board adjustable timer - eliminating costly external timers
- Manual Dogging available: HK- Prefix
- Upgrade existing 80 Series rails - retro kits available - Field serviceable
- Motor driven latch retraction for smooth, precise operation
- Power Requirements: 24VDC Regulated/Filtered Power Supply (page 11)
- Low current draw 900mA during retraction & 150mA maintained in dogged position
- Standard Electric hinge - No special power transfer device required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Optional signal switch (55-) is available to monitor push rail status, indicating rail activity or when unit is dogged and undogged
- Available for all 80 & P800 Devices, except FM8700
- Door Widths: 26" to 48"
- Compatible with 12-, 16-*, 53-, 55-, TL- & HK-‡ Prefixes
- Provided with ElectroLynx 8 Pin & 4 Pin Connectors
- ElectroLynx Hinge for 56- w/o use of timer mode, is a McKinney QC4
- ElectroLynx Hinge for 56- using the timer mode is a McKinney QC12
- Order as a 56- prefix
  (e.g., 56-8613 x ETJ x 32D x 36" Door x 84" Height)

* Patent Pending

‡ HK- and 16- are not available for Fire Rated Doors (12-)

NOTE:
For complete Electro-Mechanical Exit product offerings, see the Electro-Mechanical Exit Catalog at www.sargentlock.com.

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eSARGENT Electro-Mechanical Access Control 80 Series Exit Devices: Delayed Egress and Electromagnetic Locks

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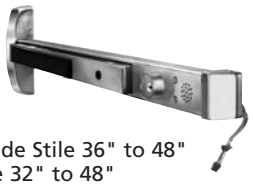
Delayed Egress (57 Prefix)

The 57-80 Series delayed action exit device will sound a horn at the door indicating that a violation is about to occur. Once actuated, the 80 Series exit device will signal the Electromagnetic Lock keeping the door closed for fifteen seconds. This time delay allows time to respond to a pending violation.

Schools, nursing homes, shopping centers and libraries are required by fire and life safety codes to provide readily available egress in case of emergency. The 57- meets these safety requirements.

Features

- Depressing the push rail for two seconds or longer initiates an irreversible alarm until disarmed with key
- Alarm rail sounds for fifteen seconds during an unauthorized egress. After fifteen seconds electromagnetic lock releases
- Audible and visual indicators advise door lock status
- 80dB horn enclosed in rail assembly
- Size 41 mortise cylinder, located in mounting rail insert provides momentary or maintained egress with key
- Momentary time delay adjustable from 0-30 seconds. Preset for five seconds at factory
- Device works in conjunction with electromagnet (Ordered separately)
- Emergency decal provided, "Emergency Exit Only. Push until alarm sounds. Door can be opened in 15 seconds" (This decal also available in French)
- When unit is installed with building's fire alarm system, a relay in the delayed action circuit voids delayed action cycle, allowing for immediate egress
- Conforms to NFPA 101, Special Locking Arrangements
- UL Listed for Panic and Fire (12-)
- Power requirements: 24VDC Regulated/Filtered Power Supply (3540) Current draw: .25 amp with electromagnetic lock (1584)
- Available for all 80 & P800 Devices, except LP, LR, LS8600 & FM8700 Devices



- Door Widths: Wide Stile 36" to 48" and Narrow Stile 32" to 48"
- Compatible with 12- & TL- Prefixes
- Standard electric hinge - No special power transfer required
- Provided with ElectroLynx 8 Pin Connector
- ElectroLynx Hinge for 57- is a McKinney QC8
- Order as a 57- prefix

(e.g., 57-8813 x ETJ x 32D x 36" Door)

Electromagnetic Locks: Available to be used with 57- Exits or Other Applications

- Hold door closed with 1200 lbs. of direct holding force
- Used for push or pull applications
- Stainless steel case
- Self-aligning armature
- Hardened machine screws for mounting
- 10' integral cable for easy wiring
- Bond sensor standard
- Internal electronics
- .250 amp @ 12VDC, .125 amp @ 24VDC
- For use on exterior and interior openings
- Single and double door applications
- Accessories available for various frame conditions
- UL Listed, Auxiliary Lock and Releasing Device
- UL Recognized for Special Locking Arrangements
- Accepted for City of New York, Department of Buildings
- Temperature range: -40°F to +140°F (-40°C to +60°C)
- Fail safe operation
- Finishes: 28, 32D, EB, ED

Electromagnets for Various Applications

1584 - Push Application - Single Door

- Metal dress covers supplied for 28, EB and ED finishes
- 1584 – 32D only
- 1584H – Includes dress cover for 28, EB and ED finishes

Order as:

1584 or 1584H x Finish

1585 - Push Application - Double Door

- Two electromagnetic locks with sensor
- 1585 – 32D only
- 1585J – includes 18" wide dress cover for 2 locks in 28, EB and ED finishes standard

Order as:

1585 or 1585J x Finish

1586 - Pull Application - Single Door

- Electromagnetic lock mounted on in swinging side of the door to protect it from physical assault
- "Z" bracket with cover in 28, EB and ED finishes supplied standard

1587 – Pull Application – Double Door

- Two electromagnetic locks with sensor
- Two "Z" brackets with covers in 28, EB and ED finishes supplied standard

Order as:

1586 x Finish for Single Door Applications
or
1587 x Finish for Double Door Applications

NOTE: For complete product offerings, see the Electro-Mechanical Exit Catalog at www.sargentlock.com.

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eSARGENT Electro-Mechanical Access Control 80 Series Exit Devices: Electric Dogging and Electroguard™ Delayed Egress

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Electric Dogging (58 Prefix)

Libraries, auditoriums, theaters, courtrooms, churches and schools all benefit from the convenience of electric dogging (unlocking). When the 58-80 Series exit device is energized and the push rail is depressed, it will continuously hold the push rail down and the latch(es) will be held retracted. When device is de-energized or power is interrupted, the latch(es) will extend. This feature is ideal for areas which require silent operation of exit device hardware.

Features

- Provides quiet ingress when dogged
- Power supplied through electric hinge
- Manual hex key dogging provided on non-fire rated devices
- Power Requirements: 24VDC Regulated/Filtered Power Supply (3540)
- Current draw: .2 amp.
- Holding force 70 lbs. min.
- Available for all 80 & P800 Devices, except FM8700 Devices
- Door Widths: 24" to 48"
- Compatible with AL-, 12-, 16-, 53-, 55-, & TL- Prefixes
- Provided with ElectroLynx 8 Pin Connector
- ElectroLynx Hinge for 58- only, is a McKinney QC2
- Order as a 58- prefix

(e.g., 58-8813 x ETJ x 32D x 36" Door)

NOTE:
For complete product offerings, see the Electro-Mechanical Exit Catalog at www.sargentlock.com.

Electroguard® Delayed Egress (59 Prefix)

The Electroguard® Delayed Egress System is designed for use in 80 Series Exit Devices where a delay on egress is needed. Common applications include maternity wards, Alzheimer patient areas, psychiatric facilities and airports where security and life safety requirements must be balanced.

When armed using the cylinder in the rail assembly and the push rail is depressed for more than one second, an irreverseable alarm will sound. During the next fifteen seconds, the push rail cannot be fully depressed, preventing egress. After fifteen seconds, the rail assembly unlocks and free egress is granted.

Features

- Self-contained delayed egress system within the rail assembly
- Conforms to NFPA 101 Special Locking Arrangements
- Available as special order to comply with BOCA code relating to delayed egress. Specify BC- Prefix. Requires door status switch (3287) ordered separately.
- Depressing the push rail for one second or longer initiates an irreversible alarm until disarmed by key in the rail assembly
- Standard fifteen second delay on egress, 30 seconds available with written permission of Authority having Jurisdiction
- When integrated with building's fire alarm system, a relay in the delayed action circuit voids the delay, allowing immediate egress
- Standard size 41 mortise cylinder in the rail assembly provides momentary or maintained egress with key
- Latch monitoring for rim and mortise type devices; rod monitoring for vertical rod devices
- Field adjustable nuisance delay can be set to 0 or 1 second
- Field adjustable momentary time delay to allow egress: 5, 10, 20 or 40 seconds
- 80dB horn enclosed in rail assembly
- Red and green LED rail status indicators
- Emergency decal provided: "Emergency Exit Only. Push until alarm sounds. Door can be opened in seconds" (This decal also available in French)
- Power and option interconnections through continuous circuit hinge
- Diagnostic LED's on printed circuit board for easy installation or troubleshooting
- External Magnetic Lock Harness available as option
- Operating voltage: 24VDC regulated/filtered, .2 Amp. typical, .5 Amp with voice module
- Available with all 80 Devices except LP, LR, LS, PP-, PR- & SP8600, FM8700, NB8700, WS & HC8800 Devices
- Door Widths: 36" to 48"
- Available as a fire rated devices (12-)
- Provided with ElectroLynx 8 pin & 4 pin connector
- ElectroLynx Hinge for 59- is a McKinney QC12
- Guarded, monitored latch and rail are standard features
- Order as a 59- prefix (e.g., 59-8813 x ETJ x 32D x 36" Door)

NOTE:
For complete Electro-Mechanical Exit product offerings, see the Electro-Mechanical Exit Catalog available at www.sargentlock.com.

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eSARGENT Electro-Mechanical Access Control
5100/5800 Alarmed Exit Locks
540/550 Series Alarms
268 Powerglide Concealed Closer with Monitoring

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The 5100 alarmed exit locks and the 5800 alarmed exit devices feature a dual frequency pulsating-type horn. The horn is activated by any unauthorized latch movement, unauthorized egress, or removal of the cover. The horn, once activated, will sound for two minutes, then shut off and automatically re-arm itself.

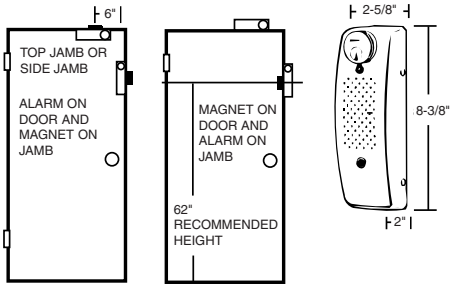
Features of 5100/5800

- 5800 is available as a Fire Rated Device
- 1-3/4" thick door standard with 4-1/2"stile
- Adapter plates available for narrow stiles
- 9 volt alkaline battery (included)
- Unit is in the 'armed' state after 12 seconds when rotating key to activate alarm (This allows for authorized egress without sounding the alarm-typical for "last person out" situations)
- 110dB horn max, operating @ 85dB @ 5 ft
- A red LED alarm light flashes indicating violation occurred. LED will continue to flash beyond alarm cycle indicating where violation occurred. LED light turned off by inside key operation only
- Optional remote power (91-prefix) Requires 3267 power supply
- For complete product offerings, see the Alarmed Exit Hardware Catalog available at www.sargentlock.com.

NOTE: For complete product offerings, see the Alarmed Exit Hardware Catalog available at www.sargentlock.com.

540/550 Series Alarms

The 540 and 550 Series alarms are equipped with a horn which is activated by unauthorized egress or the removal of the cover. The horn, once activated, will sound for two minutes, then shut off automatically and re-arm itself.



268 Powerglide Concealed Closer with Monitoring Switch & Security Package

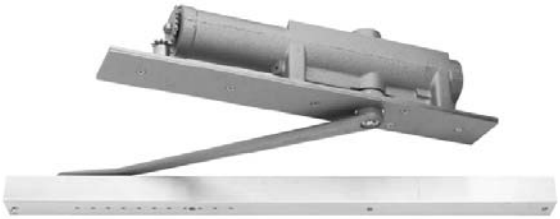
The 268 CSPS is an overhead concealed security door closer with concealed arm. It is provided with a single pole double throw (SPDT) switch. The 268 CSPD is provided with a double pole double throw (DPDT) switch. Both of these concealed door closers are designed to interface with monitoring and/or alarm systems. Those systems provide an indication at a remote location that the door has been opened. This concealed closer is used in areas where vandalism or security are an issue.

268 CSPS Powerglide Closer

- Fully Concealed Closer body with frame head
- Security track fully concealed in door
- Arm is visible when door is open
- Plated Finish Arms: 10B, 26D & 04
- ANSI/BHMA Grade 1 (A156.4)
- Closing force adjustable 2 through 5
- Security track automatically ejects foreign material
- Heavy duty steel cover protects adjusting screws
- Tamper resistant lobe security screws supplied
- Field adjustable single pole double throw "Door Position Switch" to interface with security and alarm systems
- Contacts are rated at 120/250 VAC, 10.1 amp resistive load
- Switch equipped with a 3 wire color coded 12" 18 gauge harness

268 CSPD Powerglide Closer

- Same as CSPS except a double pole double throw switch is provided with a 6 wire 18 gauge wiring harness
- Contacts are rated at 120/250 VAC, 10.1 amp resistive load



NOTE: For complete product offerings, see the 268/278 Series Powerglide Catalog available at www.sargentlock.com

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2408 Series Fire Guard® Single Point Closer-Holder

Fire and building codes require that a door be self-closing to stop the spread of fire and smoke. Many times this code requirement will interfere with the normal operation of the building. The Fire Guard® Series closer-holder combination allows the door to be held open during the normal operation of the building, but provides for automatic closing during an emergency. Commonly used on cross corridor or stairwell fire doors, they also add convenience when used on nonrated openings such as conference rooms or offices, allowing for release from an inside location.

Features

- Conforms to standards UL 10C and UBC 7-2 (1997), Positive Pressure Fire Tests of door assemblies
- UL Listed and cUL Listed to American and Canadian Safety Standards for use on fire doors
- Easily retrofits existing 2407 Series Fire Guards
- Available in EB, ED, EN, EP and EAB finishes

IMPORTANT NOTE: Fire Alarm Control Panels that cannot ignore a 0.5 second closure during a power cycle, can not be used with a 12- Fire Guard (smoke detector) product. For more information, see bottom of this page

UL Listing

- All smoke detector units (12-) have been tested and evaluated for public safety by Underwriter's Laboratories and are listed for application on labeled fire doors
- All companion units (9-) and stand alone units are UL Listed for application with all compatible UL Listed fire and smoke detection equipment

- Holder
  - Fail Safe operation
  - Single point hold open from 85° to 110°
  - Adjustable holding force for easy pull or push out of hold open
  - Push, pull or double egress installations
  - Use of auxiliary door stop required
  - Aluminum track will accommodate concealed or surface wiring standard
  - Self resetting fuse on circuit board
  - Remote release option
  - Terminal strip for ease of wiring
  - Maintained On/Off switch
  - Photoelectric smoke detector with LED indicator option
  - Operating voltages: 24VAC/VDC, or 120VAC @ .1 Amp.
  - 2 year limited warranty on electromechanical components

- Closer
  - SARGENT 351 ANSI/ BHMA A156.4 Grade 1 Closer
  - Rack and pinion operation
  - Body is cast, one piece high strength aluminum / silicon alloy
  - Full size 1/8" (3mm) brass adjusting valves
  - Adjustable spring power
  - Adjustable closing and latching speeds
  - Adjustable backcheck
  - Cover projection 2-3/16" (56mm) max.
  - 10 year limited warranty on closer body

2900 Series Fire Guard® Multi-Point Closer-Holder

Fire and building codes require a door to be self-closing to stop the spread of fire and smoke. The Fire Guard® Series of hydraulic multi-point hold open closers is designed for use on corridor doors, stairwell doors, patient room doors and labeled doors with over 110˚ opening.

Features

- Conforms to standards UL 10C and UBC 7-2 (1997), Positive Pressure Fire Tests of door assemblies
- UL Listed and cUL Listed to Canadian Safety Standards for use on fire doors
- Available in EB, ED, EN, EP and EAB finishes
- Full metal cover, only 2-9/16" (65mm) projection from frame
- 2 year limited warranty

IMPORTANT NOTE: Fire Alarm Control Panels that cannot ignore a 0.5 second closure during a power cycle, can not be used with a 12- Fire Guard (smoke detector) product. For more information, see bottom of this page.

UL Listing

- All smoke detector units (12-) have been tested and evaluated for public safety by Underwriters Laboratories and are listed for application on labeled fire doors
- All companion units (9-) and stand alone units are UL Listed for application with all compatible UL Listed fire and smoke detection equipment

- Holder operation
  - Fail Safe operation
  - Multi-point hold open from 70° to 170°, trim permitting
  - Push, pull or double egress installations
  - Regular arm for push side
  - Track type for pull, swing free or double egress
  - Steel mounting plate accommodates surface or concealed wiring
  - Use of auxiliary door stop required
  - Self resetting fuse on circuit board
  - Remote release option
  - Terminal strip for ease of wiring
  - Maintained On/Off switch
  - Photoelectric smoke detector with LED indicator option
  - Operating voltages: 24VAC/VDC or 120VAC @ .25 Amp. per unit

- Closer
  - ANSI/ BHMA A156.4 Grade 1 Closer
  - Rack and pinion operation
  - Body is cast, one piece high strength aluminum/silicon alloy
  - Full size 1/8" (3mm) brass adjusting valves
  - Adjustable spring power
  - Adjustable closing and latching speeds
  - Adjustable backcheck

NOTE:
For complete product offerings, see the 2408/2900 FireGuard Catalog available at www.sargentlock.com

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351 EHT/EHTD Electro-Mechanical Closer-Holder Release Devices

Designed to hold open fire or smoke doors until released by the fire detection system, the 351 EHT provides a convenient means of meeting fire and building code requirements without interfering with normal building operation. The 351 EHT Closer-Holder combination allows the door to be held open normally but is self-closing when power is interrupted during an emergency or by switch control. Common applications are cross corridor and stairwell doors. With its rugged track design, the 351 EHT is suitable for multiple manual operations. It is also applicable for non-rated doors such as offices or conference rooms, where the convenience of an electrically controlled closer-holder device may be desirable.

Features

- Exceeds ANSI/BHMA A156.15 requirements for manual/forced release from hold open
- Ideal for facilities with existing fire detection systems
- Conforms to standards UL 10C and UBC 7-2 (1997) Positive Pressure Fire Tests of door assemblies
- UL Listed and cUL Listed to Canadian Safety Standards for use on fire doors
- Available in EB, ED, EN, EP and EAB finishes

NOTE:
For complete 351 EHT/EHTD Electro-Mechanical Closer-Holder Release Devices product offerings, seethe 351 EHT/EHTD Electro-Mechanical Closer-Holder Release Devices Catalog available at www.sargentlock.com

- Holder
  - Fail Safe operation
  - Single point hold open adjustable from 85° to 110°
  - Adjustable holding force for easy pull or push out of hold open
  - Push, pull or double egress installations
  - Non-handed, one piece aluminum track fits on 1-5/8" (41mm) frame (pull side application)
  - For interior doors up to 48" (1219mm) wide
  - Auxiliary door stop is required at hold open point
  - Dual voltage: 24VDC or VAC @ .1 Amp.
  - PC board with on/off switch, self-resetting fuse and terminal strip for wire connections
  - 2 year limited warranty on electromechanical track assembly
- Closer
  - SARGENT 351 ANSI/BHMA A156.4 Grade 1 closer
  - Body is cast, one piece high strength aluminum/silicon alloy
  - Adjustable spring power, door speed, latch speed and backcheck valves
  - Optional delayed action valve
  - High impact plastic cover standard, metal cover optional
  - Cover projection 2-3/16" (56mm) max.
  - 10 year limited warranty on closer body
- Options
  - 36- Prefix Security TORX screws supplied for cover, track and spindle
  - MC Suffix Metal cover for closer body, non-handed
  - TB Suffix through-bolts for closer body mounting

Electromagnetic Door Holder

- Designed for use with self-closing fire and smoke barrier doors
- Use independently or with any fire or smoke detector system
- When de-activated, helps control the spread of fire and smoke by automatically releasing doors from an open position for simultaneous closing
- Fail-safe device: When electrical power fails, doors will release to close automatically
- Conforms to devices outlined in National Fire Protection Agency Standards Nos. 80 and 101
- Designed to work with SARGENT door closers
- Recommended vertical location is on top rail of door – within 6" of lock stile edge
- When applications will not allow wall or floor magnets, consult SARGENT's Fire Guard® catalog for our line of Electronic Closer Holders
- Fits standard outlet box
- Holding force – 35 lbs typical
- Voltage and Current:
  120 VAC, 60 Hz., .020 amp
  24 VAC/DC, 60 Hz., .020 amp
  12VDC, .040 amp
- Finish – EN
- Meets ANSI A156.15
- UL – UL Listed to U.S. and Canadian safety standards
- 1" (25mm) extension included standard to increase armature projection to 2-5/8" (67mm)

Wall Mount

1561 Flush Mount

1560 Surface Mount

Floor Mount

1562 Single Floor Mount

1563 Double Floor Mount

NOTE:
For complete product offerings, see the Holder & Stops Catalog. The catalog is available at www.sargentlock.com

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MPower 3000 Series Door Operator

MPower 3000 Series introduces a new generation of power door operators. Door operators were once considered a necessity only for those with physical challenges. Today, due to the population's busy lifestyles, the convenience of "hands-free" door opening is more popular than ever. The patented design of MPower 3000 is based on ease and simplicity. MPower 3000 installs in minutes rather than hours and consists of three basic components: inverter, motor and a standard door closer body.

What separates MPower 3000 from other operators is its ability to function as a standard door closer. When the door is opened manually, there is little resistance and the drive train and motor are not engaged. The door closer, not the motor, controls the closing cycle. Since the door closer does not back-drive the motor during the closing cycle, there is no loss of closer efficiency. In the event of a power outage, the door can be manually opened and will close with the door closer's spring force.

MPower 3000 is listed with UL and ANSI/BHMA A156.19 and meets the requirements of ADA and A156.4. MPower 3000 is ideal for doctors' offices, retirement facilities, schools, churches and any other locations where extra features are not required and noise may be a concern. MPower 3000 can be activated via wall switch, radio frequency device or motion sensor, and is available for push or pull side applications. Based on its dual functionality, ease of use and quiet operation, MPower 3000 offers the customer a unique choice!

Features

- Ease of installation and setup
  - Simple instructions
- Application versatility and ease of adjustment
  - Push or pull side mounting units available
- Operates as mechanical surface closer during close cycles or when door is opened manually or if power is turned off
  - Ultra-Quiet operation
  - Acceptable for fire-rated doors
  - Spring force provides the feel of a normal manual door closer
  - Door can be opened manually if desired
- Unit Activation Options
  - Wall switches
  - Motion sensor (by others)
  - Radio frequency device
- End-User On/Off Switch
- Hold Open options
  - 0-30 seconds (5 seconds minimum required for ADA and ANSI A156.19)
- Obstruction Detection
  - Motor stops if door is obstructed during an opening
  - Door closes under manual spring force
- SARGENT Grade 1 door closer
  - Adjustable Spring Power
  - Backcheck Valve
  - Sweep Valve & Latch Valve
- Non-Handed
- Not available for use with electric latch retraction exit devices, strikes, or maglocks. These applications require a separate power supply and timer
- Not available with onboard power supply
- Maximum door weight is 200lb
- Easily adjustable closed and open door positions
- Electrical Data
  - Power Input; 120 VAC, 60Hz
  - Current Draw; .6A
  - Relay Output; DPDT
  - Normally Open/Normally Closed (jumper)
  - Relay contact ratings; 30VDC@1A or 125VAC@0.5A

NOTE: For complete MP3000 product offerings, see the MP3000 Catalog available at www.sargentlock.com

MPower 4000 Series Door Operator

The SARGENT MPower 4000 Series Door Operators provide barrier free access for the physically challenged when mechanical door closers cannot provide ADA Compliance due to heavy door or draft conditions. MPower 4000 combines hydraulic pump/manifold with sophisticated electronics into a single device that automatically opens and closes doors with a low energy operating force. Constructed from heavy-duty cast aluminum, MPower 4000 fully complies with ADA and ANSI A156.19 requirements, including the low energy operator requirements of ADA's accessibility guidelines. The door operator is also UL and cUL listed for fire and smoke barrier assemblies.

MPower 4000 remains functional during power outages and can be operated by "Push and Go" activation or by optional push plates and RF devices. MPower 4000 is also simple and easy to install.

Features

- Ease of installation and setup
  - Simple instructions
  - Uses push-button settings for door open and door close positions
- Application versatility and ease of adjustment
  - Push side or pull side mounting units available
  - Power Operator function can be configured during installation
  - Interfaces with electric hardware and integrates with access control systems
  - Available in EN, EB and EAB finishes

NOTE: For complete MP4000 product offerings, see the MP4000 Catalog available at www.sargentlock.com

- Operates as mechanical surface closer during close cycles or if power is turned off
  - Critical for fire rated doors
  - Spring force provides the feel of a normal manual door closer
  - Door can be opened manually if desired
  - Adjustable opening and closing speeds and forces
- Operation startup options
  - Wall switches
  - Radio frequency device
  - Push and Go
- Hold Open options
  - 0-30 seconds (5 seconds minimum required for ADA and ANSI A156.19)
  - Choice of indefinite hold open features
- Obstruction Detection
  - Door closes if it hits an obstruction while opening
  - Door re-opens once if it hits an obstruction while closing
- Electrical Data
  - Power Input: 120 VAC, 60 Hz
  - Current Draw 2 amp
  - Auxiliary Output 24VDC (unregulated) @ 500 mA
  - SPDT relay output for controlling electric strikes or electric locks not to exceed 5 amp @ 24VDC
  - External 24VDC regulated and filtered power supply needed for 56- latch retraction applications

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MPower 3000 and MPower 4000 Low Energy Operators are supplied with the 63-4306 Signage Kit which contains two of each of the three labels shown above

Accessories

SARGENT MODEL	DESCRIPTION	VIEW	NOTES
4396HP	6" x 6" Square wall switch with handicap logo & "Press to Open"		• Momentary SPDT contacts rated at 500ma @ 12VDC or 24VAC • Mounts in standard single or double gang electrical box or in 6-1/2" x 6-1/2" x 1-3/4" surface mount box provided • **Wireless Switch Option:** *- Operators at 433MHz* *- Operator requires RF receiver (#RFR1)* *- Switch is to be surface mounted in box provided* *- Specify "RF" to switch number to order (Ex: 4395HPRF)*
4396P	6" x 6" Square wall switch with "Press to Open"		
4395HP	6" Round wall switch with handicap logo & "Press to Open"		
4395P	6" Round wall switch with Press to Open		
4397HP	Narrow type switch		• Mounts flush through a 1-3/4" x 2-7/8" cutout in jamb or in the 4-3/4" x 2" x 1-7/8" box provided • Momentary SPDT contacts rated at 500ma @ 12VDC or 24VAC • Also available with RF by adding "RF" to the switch number as a suffix
FOB1	Key Fob Transmitter		• 433MHz Key Fob used with RF Receiver
RFR1	RF Receiver		• 433 MHz Radio Frequency (RF) Receiver Kit: Field-installed RF Receiver used in conjunction with RF transmitter above (FOB1) and all RF wireless wall switches
4341	1" x 3/4" Surface Mount Pushbutton		• Surface mount push button • Momentary DPST contacts rated at 3 Amps
4399	2" Square Green Pushbutton		• Single gang push button with green LED • Momentary SPDT contacts rated at 10 Amps

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4414 4 Zone Console & 4418 8 Zone Console

4414 Shown

Remote Monitoring Consoles

- Designed to control and monitor 4 or 8 zones through toggle switches
- Consoles include wall mount junction box clearly marked to provide connecting points via screw terminals
- Supplied with 10 foot interconnect cable with Sub D connectors
- 24VDC power requirement (3520/3540) For eight zones, 3570 required
- Monitor Lights
  – Red – Violation
  – Green – Secure
  – Red – Unlocked
  – Green – Locked
- Relay Output: Form "C" 5 amp @ 24VDC
- Current Draw: 320mA – 4414 console
  635mA – 4418 console
- Audible signal indicates violation
- Dimensions–Console
  4414 – 8"L x 6"D x 4"H
  4418 – 12"L x 6"D x 4"H
- Dimensions–Junction Box
  12"L x 12"W x 4"D
- Toggle (maintained) at each zone to control load

Master Control Panel Features

- Key Switch – The 41 cylinder on the console allows the console to be "locked down" during unsupervised times. When it is locked, all zones go into a secure state. Changing toggle switch positions will not change the Green lock status indicator light.
- Alarm Reset Switch – Used to silence console horn. Reset switch resets horn and latch violation signal on console indicated by red LED.
- Horn – Provides an audible signal to the operator of an open door or a violation alarm condition. LED on console indicates which zone is in violation. Alarm Reset Switch is used to silence horn.
- Horn Silence Switch – Turns horn on and off

Monitoring Strike

881 Strike

- May be used in place of surface mounted strike for 5800, 12-5800, 8500, 8700, 8800, 12-8800 exit devices
- Strikes are non-handed
- SPDT switch to signal remote location
- Monitors latch status
- May be used with 4414 or 4418 console
- UL Listed
- For single door application alarms

Material: Ductile Iron
Finish: Black nylon coated
Switch Rating:
2 amps @ 24VDC

Order as 881

Electrical Lockable Mullion

- EL980 Key-removable mullion
- Designed for paired openings with any 8800 rim exit device
- Mortise cylinder provided (size 46)
- Contains multi-conductor cable and quick disconnects for use with 881 monitor strike
- Cable with eyelet attached to mullion and top retainer allows mullion to be disengaged from retainer providing access to wiring and connectors

NOTE:
For complete line of mullions - see 80 Series Exit Catalog, available at www.sargentlock.com.

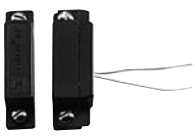
Door Status Switches

3287

- Monitors door position remotely
- Can be used with 4414 or 4418 consoles or Electroguard®
- SPDT concealed switch (3 wire)–brown
- 1/4 amp @ 24VDC
- Requires a 1" diameter X 1" deep hole

Order as: 3287

3285



- Available for 5100, 5800, and 12-5800 exit alarms
- Surface applied
- Two wire – N.O. Contact

Order as: 3285

Horn

4380H

- Used to signal a remote location
- dB rating: 85dB
- Horn input voltage: 6-28VDC @ 3-14 mA
- Available with LEDs (4380HL)

Order as: 4380H or with Lights as 4380LH

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eSARGENT Electro-Mechanical Access Control Key Switches and Card Reader

The 4370 Series cylinder key switch line adds versatility to electro-mechanical exit devices, electromechanical locks, electric strikes, and alarm bypass systems by allowing remote or local operation of each opening to be customized to the application. All key switch contacts are rated at 4 amp @ 24VDC.

They are supplied standard with a size 41 mortise cylinder (w/103 cam) for conventional keying. To order cam only, specify 13-0921. For KESO keying, the standard cylinder and cam required is 47-71-103. All key switches are available in 32D only. Consult factory for other finishes.

Face Plate Dimensions – Single Gang: 4-1/2" x 2-3/4"
Face Plate Dimensions – Double Gang: 4-1/2" x 4-1/2"

Outlet box size for single gang: 4" x 2-1/8" x 1-7/8" (Appleton 4CS, RACO 670)
Outlet box size for double gang: 4" x 4" x 2-1/8" (Appleton 132, RACO 680)

Item	Description
4370	One SPDT maintained contact switch
4371	One SPDT momentary contact switch
4372	One DPDT maintained contact switch
4373	One DPDT momentary contact switch
4374	Two SPDT maintained contact switch
4375	Two SPDT momentary contact switch
4376	Two DPDT maintained contact switch
4377	Two DPDT momentary contact switch
4378	One SPDT momentary & one SPDT maintained contact switch
4379	One DPDT momentary & one DPDT maintained contact switch

Suffixes:	
L	**L**EDs – one red and one green indicator light
H	**H**orn
T	**T**ime Delay (5-120 seconds)

Key switches with a time delay (T) or a horn (H) are provided as a double gang unit

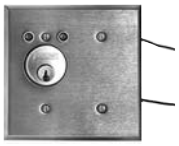
NOTE: Time delay and horn are not available together

Order by Item Number and Suffixes Desired; e.g., 4370LT

4370-4379

4370L-4379L with 2 LED indicators

4370LT-4379LT with 2 LED indicators and time delay



4370LH-4379LH with 2 LED indicators and horn

4301 Card Reader

The 4301 card reader is a self-contained access control system offering a cost effective solution for commercial and industrial installations

Features

- 120 users with codes 1-6 digits in length
- All programming accomplished by entering instructions through keypad and swiping cards at the reader
- Reads ABA standard track II encoded magnetic swipe cards
- Non-volatile EEPROM memory
- Operates with 12-24VDC or VAC (selectable)
- Keypress audible feedback
- LEDs indicate status: locked, unlocked, and programming mode
- Additional features include: forced door relay, propped door relay, alarm zone shunt relay and door position sensor input (requires door status switch)

Finish: 26D only

Specifications

Card Reader

- Dimensions: 1.75"w x 4.50"h x 1.55"d
- Weatherproof gasket provided for outdoor applications
- Temperature: -20°F to 130°F (-28°C to 54°C)
- Current: 25mA typical @ 24VDC without additional relays; each additional energized relay requires 15mA

Keypad

- Dimensions: 2.75"w x 4.50"h x 2.40"d

Order as: 4301

52-0171 Magnetic Stripe Card Pack

- 25 cards per package
- For use with 4301 card reader

Order by Part Number:
52-0171 for 25 Cards

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Keypads

The 4290 Series microprocessor controlled keypads provide keyless access, for electric locking devices requiring a dry contact switch. User codes are programmed to perform various functions from the keypad. There are three LEDs on the keypads: yellow monitors keypad status; red and green monitor latch and/or door status. Keypads are available in 32D finish only.

4291 Keypad

- Designed for indoor use
- Single door application
- 15 user codes. (1-6 digits)
- One master code (1-6 digits)
- Momentary control adjustable (1-90 seconds)
- Maintained control infinite
- 24VDC regulated input voltage (3520/3540)
- Control output: 1 SPDT 5 amp, 28VDC
- Current draw: .045 amp
- Face plate dimensions: 4-1/2" x 2-3/4"
- Uses standard outlet box, Slater S1-18W

4292 Keypad

- Designed for outdoor use (20˚F-130˚F)
- Weather resistant. Not to be used in direct sunlight or rain
- Single door application
- 15 user codes (1-6 digits)
- One master code (1-6 digits)
- Momentary control adjustable (1-90 seconds)
- Maintained control - infinite
- 24VDC regulated input voltage (3520)
- Control output: 1 SPDT 5 amp, 28VDC
- Current draw: .045 amp
- Face plate dimensions: 4-1/2" x 2-3/4"
- Requires 4352 junction box or equivalent

Switch Locks

Provides authorized personnel with the ability to activate or de-activate an electrical product which requires a maintained switch. The switch is activated by turning the key 90˚ right or left (until stop is reached), then returning the key to the vertical position and removing. The key is removable in the vertical position only.

4153 Keys Switch

- KESO Security System Cylinder
- Operates UL Listed switch
- SPDT maintained
- Finish: 26
- Switch rating: 250VAC, 5 amp.; 30VDC, 3 amp
- Adjustable from 1-3/4" - 2-3/4"

4253 Keys Switch

- KESO Security System Cylinder
- Operates UL Listed switch
- SPDT maintained
- Finish: 26
- Switch rating: 250VAC, 5 amp; 30VDC, 3 amp
- Listed in UL Burglary Protection Equipment List under Connector and Switches (25L30)
- Drill and pick resistant

Push Button

1" x 3/4" Surface Mount Pushbutton

4341 Push Button

- Surface mount push button
- Momentary DPST contacts rated at 3 Amps

Junction Box

4352 Junction Box

- Designed for use with 4292 keypad
- 2-7/8"W x 4-5/8"H x 2"D
- Aluminum

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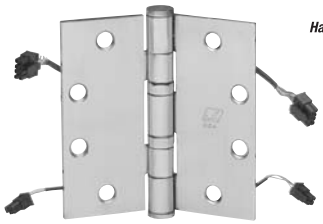
eSARGENT Electro-Mechanical Access Control
Electric Hinges and Door Loops

SARGENT®
ASSA ABLOY

McKinney Electrolynx Full Mortise Bearing Hinges



Hardwiring Made Easy™
ElectroLynx

- 1 Amp Capacity - Low Voltage 24v per Circuit
- Wires Contained within hinge - invisible and tamper proof
- 4-1/2"x 4-1/2" x .134" hinge size
- 28 Gage Wire
- QC2A - 2 Pin connector with 2 wires
- QC2 - 8 Pin connector with 2 wires
- QC4A - 4 Pin connector with 4 wires
- QC6 - 8 Pin connector with 6 wires
- QC8 - 8 Pin connector with 8 wires
- QC12 - 4 & 8 Pin connectors with 12 wires

3261 Armored Door Loop

- Used to transfer power from frame to door stile
- 3 wire capability; 22 gage wire contained in loop
- 18" armored loop cable
- 1/4" diameter flex tubing
- Surface mount power transfer

NOTE: ElectroLynx uses standardized Molex® connectors and uniform wire colors connector.

QC#	Prefix Catalog#	Catalog#	Knuckles	Base Metal	Finish
QC2A	TA	314QC2AD	3	Brass	26D
QC2	TA	314QC2D	3	Brass	26D
QC8	TA	314QC8D	3	Brass	26D
QC12	TA	314QC12D	3	Brass	26D
QC2A	TA	714QC2AD	3	Steel	Primer
QC2	TA	714QC2D	3	Steel	Primer
QC8	TA	714QC8D	3	Steel	Primer
QC12	TA	714QC12D	3	Steel	Primer
QC2A	TA	2314QC2AD	5	Brass	26D
QC2	TA	2314QC2D	5	Brass	26D
QC8	TA	2314QC8D	5	Brass	26D
QC12	TA	2314QC12D	5	Brass	26D
QC2A	TA	2714QC2AD	5	Steel	Primer
QC2	TA	2714QC2D	5	Steel	Primer
QC8	TA	2714QC8D	5	Steel	Primer
QC12	TA	2714QC12D	5	Steel	Primer

NOTE: Addition types, styles and sizes of hinges are available from McKinney

Founded in the early 1800's, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.