

Profile Series v.S1

Intelligent Power over Ethernet (PoE)
Access Control

Available through Authorized Channel Partners only.
Contact your local ASSA ABLOY Door Security
Solutions sales consultant for details.



Intelligent PoE Access Control

Profile Series v.S1



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Hardwiring Made Easy*



As part of their promise to provide innovative, fast and effective high 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.



MicroShield®

As part of their promise to provide innovative solutions to their customers, ASSA ABLOY Group companies offer the MicroShield® technology, a silver-based antimicrobial coating designed to stem the spread of germs and bacteria.

MicroShield® is a trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

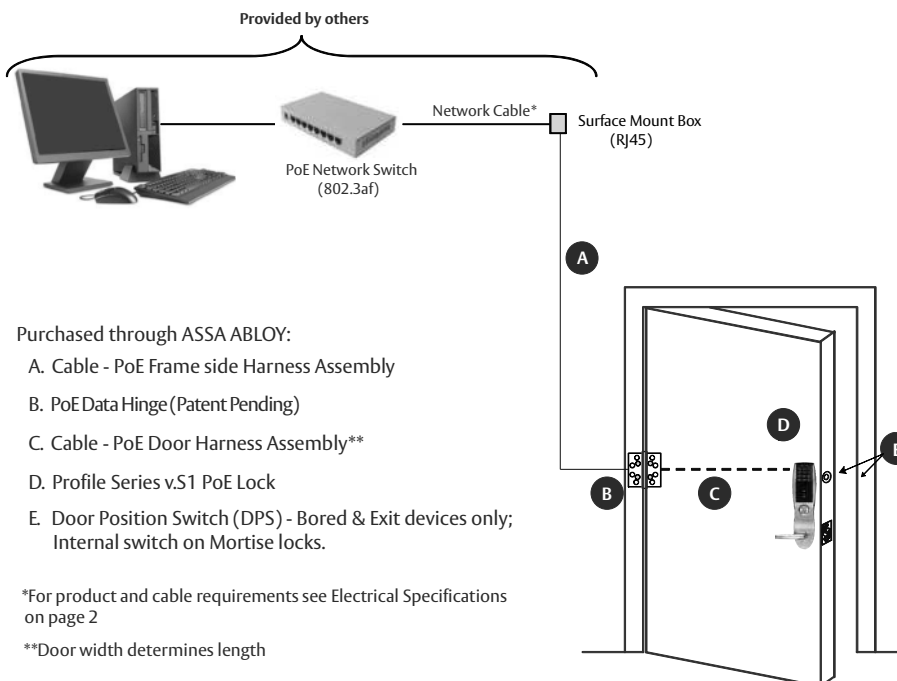


The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request.

Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA



Profile Series v.S1 PoE (Power over Ethernet) Typical Application



On the Cover

v.S1 8200 Series Mortise Lock with a MJ Studio Collection Lever

Overview and Benefits

Profile Series v.S1



Overview

The SARGENT® Profile Series v.S1 intelligent Power over Ethernet (PoE) locks, combined with third-party software or Lock Management Tool, allow management of lock hardware from a centralized location through an existing Local Area Network (LAN). Programming and security management is controlled through the ASSA ABLOY Lock Management Tool (LMT) or a third party access control system. All products utilize a microprocessor-based controller with non-volatile memory to preserve user information.

Prox and keypad electronics are supported by the physical security of a SARGENT ANSI/BHMA Grade 1 mechanical locking device in Mortise, Bored or Exit configuration, and are UL Listed for use on fire doors. All products with a keypad feature have the option of using pin codes (4 digits) as well as a proximity card as an added measure of security. Each credential can be programmed to operate the lock in a variety of modes tailored to the opening. Typical modes include Unlock, Extended Unlock, Passage and Panic.*

The Lock Management Tool is a Windows®-based application that allows the programming, interrogation and overall management of the facility's Profile Series v.S1 locks (up to 25) from a centralized location. The LMT application, on a PC, and the Profile Series v.S1 locks communicate using standard ethernet (IEEE 802.3af) infrastructure. In addition, we offer a software developer's kit (SDK) to allow third-party access control manufacturers to interface to and control Profile Series v.S1 locks from their head end systems.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT v.S1 is part of a stream of new ASSA ABLOY products moving from traditional mechanical locks to being extensions of access control systems in facilities. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Integrated Wiegand, IP-enabled and self-configurable intelligent components:



- The Authorized Channel Partner (ACP) program is open to wholesale, contract hardware distributors, and access control manufacturers (OEMs) who sell ASSA ABLOY's technology products to security systems integrators and locksmiths, and help with product selection based on the application. The ACP is for resellers that do not install and service products.
- The Certified Integrator (CI) program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates on product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment. This category extends to End Users that install and manage their own systems and third party lock installers as well.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Profile Series v.S1 Benefits

- Intelligent IP Solution
- Complete access control features
 - Real-time alarms - Forced Door, Unknown Card and Door Held Open
 - Open architecture design supports integration with access control systems via SDK
- Maximum uptime and redundancy through distributed intelligence at each opening
 - Stand-alone operation - even in absence of a network
 - Supports 2,000 users and 10,000 event transaction history (audit trail)
- Real-time lockdown capabilities
- Simplified lock configuration with Network and Lock Configuration Tool Kit (CBL-S2A) required (see page 12)
- Up to 50% faster than traditional access control installations - integrates hardware, card reader, door position switch and Request-to-Exit sensor into one device
- Utilizes LAN infrastructure - no need to visit the door to update lock!
 - Utilizes standard IEEE 802.3af PoE switches and injectors
- No "home run" wiring or proprietary infrastructure required

Product Features

Profile Series v.S1



“S1-PA” Proximity Only Products



Exit Device shown

The “S1-PA” (proximity only) configuration of networked access control products provide a higher level of security by utilizing proximity credentials only. The lock is programmed utilizing LMT or third party access control (via SDK) software. This configuration is ideal for high traffic applications where keypad usage is less desirable: universities, laboratories or hospitals.

“S1-PK” Proximity/Keypad Products



Mortise shown

The “S1-PK” (proximity/keypad) version of networked access control products offers the highest level of security and flexibility. Programming and security management is done utilizing LMT or third party access control (via SDK) software. The “S1-PK” can be programmed to require both proximity and Pin Code (4 digits) to gain entry or proximity only.

Hardware Features

- Lock holds 2000 users and 10,000 events locally
- Available with key override

Proximity Cards

- Supports all HID 125 kHz proximity formats up to 39 bits, including Corporate 1000
- Dual credentials available with keypad option (PK)

Environmental Specifications

- Operating temperature: -35°C (-31°F) to 66°C (151°F)
- Humidity: < 85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

Electrical Specifications

- Power supplied through Ethernet
- Class 1 Device defined by IEEE 802.3AF requiring only 4 Watts
- Network Drop Cable (by others) Specifications:
 - Cat5e or higher
 - Belden 1533P D15A1000 or equivalent
 - TIA/EIB-568-B
 - Shielded with drain wire
 - Plenum-rated
 - 24AWG
- FCC Part 15-compliant
- Network Surface Mount Box (by others):
 - Cat5e or higher (RJ45)
 - TIA/EIB-568-B

Lock Management Tool (P/N WFCD2) Features

- Password protected database
- User database size based on local hardware configuration
- Allows for creation of user groups
- Easy to follow data entry
- Real-time clock with date and time
- Sixteen different time zones
- Holiday support (lock supports 32 unique holidays)
- Auto-unlock schedule with or without “first in” unlock
- Allows viewing of system wide events and history (total number of events based on local hardware configuration)– includes event type, date, time, user ID and name
- Configurable for all major HID Prox 125kHz card formats up to 39 bits
- Scheduler utility to establish lock communication at pre-defined intervals
- User manual included
- Browser-based user interface
- Simple drag-and-drop configurations
- Basic alarm monitoring

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8200 Series Mortise Locks

Profile Series v.S1



The motorized 8200 Mortise Lock Profile Series v.S1 one-piece escutcheon has a clean, crisp design and can be aesthetically complemented by SARGENT Studio Collection and Coastal Series levers along with many hardware finishes.

Mechanical Features

- Exceeds Grade 1 ANSI/BHMA A156.13 requirements
- Windstorm & Florida Building Code information is listed on page 16
- Motor driven 8200 Series Mortise Lock
- 3/4" stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability

Profile Series v.S1 Mortise Lock Functions

All v.S1 Mortise Functions feature:

- Trim outside rigid except when in "passage" mode or valid user code/credential entered
- Trim inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Software accessible Request-to-Exit, Latchbolt, and Door Position Monitoring via SDK

Key Override Function Features:

- Key outside retracts latch and deadbolt when trim is locked electronically
- Key override requires a size 43 cylinder standard or removable core (1-3/8" [35mm] length of shell)

Deadbolt Function Features:

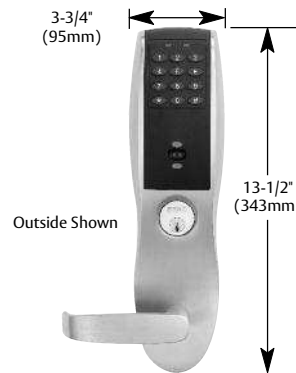
- When deadbolt thrown, outside lever operable only with Emergency or Master code
- Deadbolt monitoring
- 1" hardened stainless steel deadbolt

v.S1 Mortise Lock Functions

If the lock needs to have:	Then select:			
	Series	Type	Function	Technology
Prox and keypad				
Key override and deadbolt	S1	82	276	PK
Key override and no deadbolt	S1	82	278	PK
Deadbolt and no key override	S1	82	277	PK
No deadbolt and no key override	S1	82	279	PK
Prox only				
Key override and deadbolt	S1	82	276	PA
Key override and no deadbolt	S1	82	278	PA
Deadbolt and no key override	S1	82	277	PA
No deadbolt and no key override	S1	82	279	PA

Inside/Outside Escutcheon

- Keys/buttons with double shot mold construction prevents wear
- Zinc die cast
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Projection at bottom 5/16" (8mm) less lever
- Projection at top 1-5/8" (41mm)



Ordering Profile Series v.S1 Mortise Lock

Options	Series	Type	Function	Technology	Levers	Finish	Hand
Select from pages 13-15	Select from S1 Mortise Lock Function chart above			PK or PA	Select lever and finish from pages 6 & 7		RHR, LHR, RH or LH
Example:	S1-82276			PK	G	03	RH

10 Line Cylindrical Locks

Profile Series v.S1



The Profile Series v.S1 10 Line Cylindrical Lock is available with many lever designs including Coastal Series and 11 hardware finishes. Its unique design provides uniformity when used with other SARGENT Cylindrical Locks at a facility.

Mechanical Features

- Exceeds Grade 1 ANSI/BHMA A156.2 requirements
- Windstorm & Florida Building Code information is listed on page 16
- Motor driven Cylindrical Lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 10-UL-, 82-, 83- or 84- options

52-3893 Door Position Switch (DPS)

- SPDT concealed switch (2 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
- Supplied with v.S1-10G77



v.S1 Cylindrical Locks



- Key outside always retracts latch
- Lever outside rigid except when in "passage" mode or valid user code/credential entered
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override standard
- "Request-to-Exit (REX)" signaling standard
- Software accessible Request-to-Exit and Door Position Monitoring via SDK
- Door Position Switch (DPS, P/N 52-3893) supplied

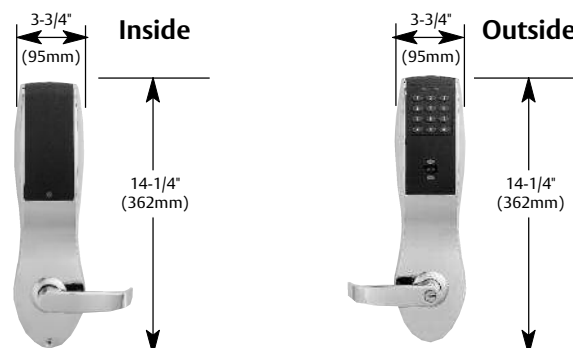
Note: The DPS is installed right above the lock and connects directly into the lock's electronics

v.S1 Cylindrical Lock Functions

If the lock needs to have:	Then select:			
	Series	Type	Function	Technology
Prox and keypad				
Key Override	S1	10	G77	PK
Prox only				
Key Override	S1	10	G77	PA

Escutcheons

- Solid diecast zinc
- Projection at bottom 11/16" (17mm) less lever
- Projection at top 1-5/8" (41 mm)
- Tactile keypad
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevents wear



How to Order v.S1 Cylindrical Locks

Options	Series	Type	Function	Technology	Levers	Finish	Hand
Select from page 13-15	Select from S1 Cylindrical Lock Function chart above			PK or PA	Select lever and finish from pages 6 & 7		RHR, LHR, RH or LH
Example:	S1-10G77			PK	G	03	RH

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80 Series Exit Devices

Profile Series v.S1



The Profile Series v.S1 products for the SARGENT Rim and Mortise Exit Devices provide networked access control in areas where life-safety is a primary concern. This includes stairwell areas or tenant-occupied facilities.

Mechanical Features

- Exceeds Grade 1 ANSI A156.3 requirements
- Windstorm & Florida Building Code information is listed on page 16
- Motor-driven ET trim
- Latch 3/4" (19mm) throw (stainless steel 8800, anti-friction brass 8900)
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- 8977 not available with 70-, 72-, 73-, 73-7P-, SC- or SE- options

52-3893 Door Position Switch (DPS)

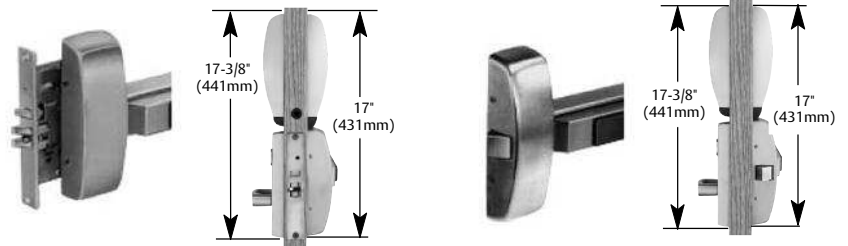
- SPDT concealed switch (2 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
- Supplied with v.S1 Exit Devices

All S1 Exit Devices feature:

- Always allows free egress
- Key outside retracts latch (8877 and 8977)
- Outside lever rigid except when in passage mode or valid user code/credential entered
- Software accessible Request-to-Exit and Door Position Monitoring via SDK
- Door Position Switch (DPS, P/N 52-3893) supplied

Note: The DPS is installed right above the lock and connects directly into the lock's electronics Key Override features:

- Key override for 8877 is a 34 rim cylinder; for 8977 is a 46 Mortise cylinder (1-3/4" length)



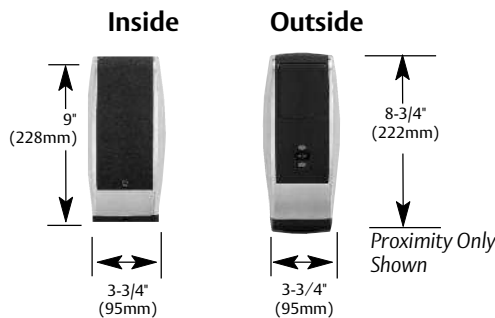
S1-8900 Mortise Exit Devices

S1-8800 Rim Exit Devices

If the lock needs to have:	Mortise Exit				Rim Exit			
	Series	Technology	Type	Function	Series	Technology	Type	Function
Prox and keypad								
Key override	S1	PK	89	77	S1	PK	88	77
No Key override	S1	PK	89	78	S1	PK	88	78
Prox only								
Key override	S1	PA	89	77	S1	PA	88	77
No Key override	S1	PA	89	78	S1	PA	88	78

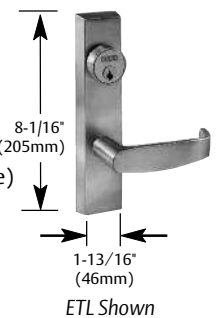
Escutcheons

- Zinc die cast
- Projection at top 1-5/8" (41mm)
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevents wear



Outside ET Lever Control

- Cast escutcheon
- Projection 13/16" (21mm)
- For Rim Exit Devices: 777-8 (cylinder hole) 778-8 (no cylinder hole)
- For Mortise Exit Devices: 777 (cylinder hole) 778 (no cylinder hole)



Options	Series	Technology	Type	Function	Rail Size	Trim/Lever	Hand	Finish	Door Width
Select from page 13-15	Select from S1 Exit Device Function chart above				E: 24 - 32"; F: 33 - 36"; J: 37 - 42"; G: 43 - 48"	ET followed by lever designation from pages 6 & 7	RHR or LHR	Select from page 6	If supplied, rails will be cut to size
Example:	S1-PK-8878				F	ETL	RHR	10B	36"

Standard and Coastal Levers & Finishes and Handing

Profile Series v.S1



Profile Series v.S1 products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. v.S1 mortise locks and cylindrical locks are specified by the technology (PA or PK) followed by the lever designation (e.g., PAMU). v.S1 Exit devices are specified by the ET designation followed by the lever designation (e.g., ETP).

Note: Exit devices are not available with roses: exits are only available with ET Trim

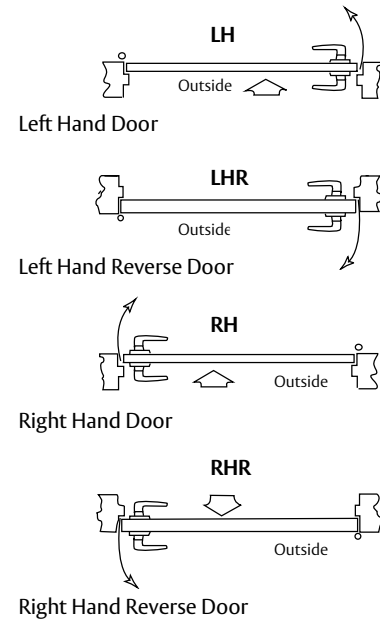
Finishes

SARGENT offers many different finishes for v.S1 products. Please reference the chart below for finishes available.

	Finishes	ANSI	Mortise	Cyl.	Exit
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil robbed	613	X	X	X
10BL	Oxidized satin bronze, clear power coat	-	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X
15‡	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	-	X	X	X
26‡	Bright chrome	625	X	X	X
26D‡	Satin chrome	626	X	X	X
32∞	Bright stainless steel	629	X	-	X
32D∞	Satin stainless steel	630	X	-	X

‡ ET Trim will be supplied with the requested finish, the Exit Devices will be supplied in 32 or 32D accordingly
∞ Only available with exit devices, the external trim will be supplied in 26 or 26D accordingly

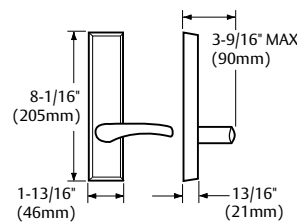
Handing



Standard and Coastal Levers

Standard Levers					
Lever	Design	Handed	Mortise	Cyl.	Exit
A		Yes	X		X
B		-	X	X	X
E		-	X		X
F		-	X		X
J		-	X	X	X
L		-	X	X	X
P		-	X	X	X
W		-	X		X

ET Lever Controls for Exit Devices



The 700 Series ET and Lever Control is the external trim with all v.S1-80 Series Exit Devices

ET Escutcheons and levers are plated brass
Stainless steel levers are available



Coastal Levers					
Lever	Design	Handed	Mortise	Cyl.	Exit
C		-	X		X
G		Yes	X	X	X
R		-	X		X
S		Yes	X		X
Y		Yes	X	X	X

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Studio Collection Levers

Profile Series v.S1



Studio Collection Levers are available with the Mortise and Exit Device products with all functions offered, creating uniformity throughout a facility.

Aventura Series				
Lever	Design	Handed	Mortise	Exit
MA		-	X	X
MB		-	X	X
ME		-	X	X
MF		-	X	X
MG		-	X	X
MI		-	X	X
MW*		-	X	X
Odeon Series				
MN		Yes	X	X
MH		Yes	X	X
MK		Yes	X	X
MS		Yes	X	X
MU		Yes	X	X
MV		Yes	X	X
NS		Yes	X	X
NU		Yes	X	X
MX		Yes	X	X

* Lever returns within 1/2" (13mm) of door face

Notting Hill Series				
Lever	Design	Handed	Mortise	Exit
MQ		Yes	X	X
MR		-	X	X
MT		Yes	X	X
MM		Yes	X	X
MY*		Yes	X	X
Rialto Series				
MO		Yes	X	X
ML		Yes	X	X
MZ*		Yes	X	X
Centro Levers				
MC		-	X	X
MD		-	X	X
MJ		-	X	X
MP		-	X	X
ND*		-	X	X
NJ*		-	X	X
Gramercy Levers**				
RCM		-	X	X
RAL		-	X	X
REM		-	X	X
RAM		-	X	X
RAS		-	X	X
RAW		-	X	X

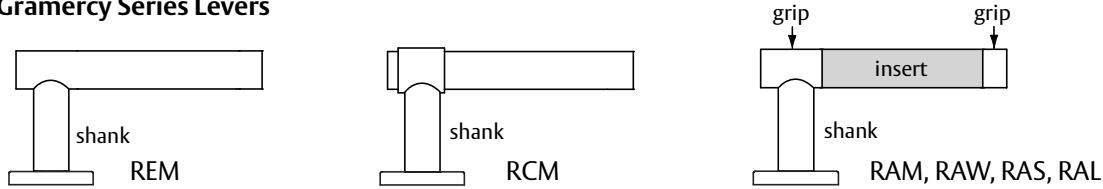
** The Gramercy Levers are customized. Refer to page 8 for information on how to order.

Ordering Gramercy Series Levers

Profile Series v.S1



Elements of Gramercy Series Levers



Lever	Part Number	Shank Finish*	Insert	Grip Finish
Plain†	REM	Polish Stainless (629) or Satin Stainless (630)	n/a	Polish Stainless (629) or Satin Stainless (630)
With Raised Band	RCM	Polished Stainless (629)	n/a	Polish Stainless (629) or Satin Stainless (630)
With Metallic Insert	RAM	Polished Stainless (629)	Satin Stainless (630)	Polished Stainless (629)
With Wood Insert†	RAW	Polished Stainless (629) or Satin Stainless (630)	Birch (BH)	Polish Stainless (629) or Satin Stainless (630)
With Santoprenne Insert†	RAS	Polished Stainless (629) or Satin Stainless (630)	Black (BK)	Polish Stainless (629) or Satin Stainless (630)
With Leather Insert†	RAL	Polished Stainless (629) or Satin Stainless (630)	Black (BK) or Brown (BN)	Polish Stainless (629) or Satin Stainless (630)

* Escutcheon finish is designated by shank finish selected

† Grip finish must match shank finish

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

Profile Series v.S1 Series Mortise Lock Examples

Options	Series	Function	Technology	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand
select from pages 13-15	S1-82	select from page 3	PK or PA	Leather insert	polished or satin stainless	Black or Brown	polished or satin stainless	RHR, RH, LHR, or LH
10-	S1-82	276	PK	RAL	29	BN	29	RH

Profile Series v.S1 Series Exit Device Example – Available with ET escutcheon

Options	Series	Technology	Type	Functions	Rail Size	Trim & Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width
select from pages 13-15	Select from S1 Exit Device Function chart from page 5				E, F, J or G	Leather insert	polished or satin stainless	Black or Brown	polished or satin stainless	RHR or LHR	select from page 6	If supplied, rails will be cut to size
10-	S1-	PK	89	77	F	ET RAL	29	BN	29	RHR	32D	36"

* Escutcheon finish is designated by shank finish selected

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Lock Management Tool

Profile Series v.S1



Lock Management Tool

Lock Management Tool™ allows programming, interrogation and overall management from a centralized location for up to 25 doors. The application facilitates communication from a computer to the v.S1 Power over Ethernet (PoE) lockset (802.3af) via Local Area Network (LAN) infrastructure. Lock Management Tool allows an administrator to establish multiple user types, time zones, holidays, user groups, auto-unlock periods and to obtain transaction history from all locks connected to the system. The Lock Management Tool consists of a server based installation (a small workstation will be sufficient) with all of the daily administration and configuration being done through a standard web browser. A local client on the server can be used for more complex configuration tasks.

Lock Management Tool (P/N WFCD2) Features

- Password protected database
- User database size based on local hardware configuration
- Allows for creation of user groups
- Easy to follow data entry
- Real-time clock with date and time
- Sixteen different time zones
- Holiday support (lock supports 32 unique holidays)
- Auto-unlock schedule with or without “first in” unlock
- Allows viewing of system wide events and history (total number of events based on local hardware configuration)– includes event type, date, time, user ID and name
- Configurable for all major HID Prox 125kHz card formats
- Scheduler utility to establish lock communication at pre-defined intervals
- User manual included
- Browser-based user interface
- Simple drag-and-drop configurations
- Basic alarm monitoring

Hardware and Software Requirements

Hardware

- Memory: 512 MB minimum
- Storage: 40 GB Hard Drive
- Processor: 1 GHz or faster
- Screen: 800 x 600 required; 1024 x 768 Recommended
- Network Card required
- CD-ROM required
- RS232 Serial Port (DB9)

Operating System:

- Windows 2000 SP3, Windows 2000 SP4, Windows XP Pro, Windows XP Pro SP1, Windows XP Pro SP2, Windows Server 2003, or later
- Microsoft Paint installed (comes as a part of all Windows operating systems)
- Internet Explorer 6.0 SP1 or later
- IIS 5.0 or later

Additionally, the following will be installed or upgraded by setup:

- Windows Installer 3.1
- MDAC 2.8 SP1 or later
- .NET Framework 2.0

Compatible with SQL 2000 and MSDE 2000

Note: LMT is not compatible with SQL 2005 or 2008

Note: IP address must be assigned by authorized network administrator and PC must utilize a static IP address







Software Development Kit

The Software Development Kit allows access control system developers to evaluate and execute different integration options. The Software Development Kit will help facilitate integration of the SARGENT Profile Series v.S1 together with third party access control systems. Reduction of integration time, cost and documentation of full driver feature sets are just a few benefits of third party components. Please contact SARGENT @ 800-810-WIRE for more information on the Software Development Kit.



Credential Features

- 26 & 33 bit Wiegand format available (consult factory for additional formats)
- HID Prox 125kHz- based proximity cards, fobs or tags
- Allows integration into existing facilities with HID Prox 125kHz-based technology
- SARGENT standard credentials are 26 Bit Wiegand format, Site Code and Proximity ID assigned by SARGENT
- Custom credentials available with customer assigned Prox ID#'s

Product #	Features	Image
PCH-L70 for SARGENT logo on card	SARGENT HID ProxCard II™ <ul style="list-style-type: none"> • Site Code and Proximity ID#'s determined and controlled by SARGENT • 26 Bit Format, HID Coded Wiegand Output 125kHz • Dimensions: 2-1/8" x 3-3/8" (54mm x 86mm) • Thickness: .070" nom. (1.8mm) • Cards ordered individually*** (Min. Order is 25 Cards) 	
PCH-B70 for blank white card		
PCH-L30 for SARGENT logo on card	ISO Prox Card II™ (Printable Card) <ul style="list-style-type: none"> • Site Code and Proximity ID#'s determined and Controlled by • 26 Bit Format, HID Coded Wiegand Output 125kHz • Dimensions: 2-1/8" x 3-3/8" (54mm x 86mm) • Thickness: .031" nom. (1.8mm) • Blank Cards can be printed on by others • Cards ordered individually*** (Min. Order is 25 Cards) 	
PCH-B30 for blank white card		
Contact Factory for specifications options and pricing	DuoProx™ Card <ul style="list-style-type: none"> • Multiple Technology Proximity Cards - DuoProx™- dual technology - proximity & magnetic stripe • DuoProx™ cards with unique site codes for higher level of security (SARGENT 1000) are available • Cards ordered individually*** (Min order is 100 Cards) 	
<p>The MicroProx™ Tag is a coin-sized (disk-shaped) transponder that provides the ability to add HID proximity technology to a device. The MicroProx™ Tag has an adhesive backing which allows it to be secured to any non-metallic object.</p> <ul style="list-style-type: none"> • Easily Secured To: Employee badges, PDAs, Magnetic stripe cards, Cell phones • 26 Bit Format, HID Coded Wiegand Output 125kHz • Proximity ID# marked on each Tag • Gray color with HID Logo • Dimensions: 1.285" Dia. x 0.070" (32.6mm x 1.78mm) 		
MPT	<ul style="list-style-type: none"> - Site Code and Proximity ID#'s determined and controlled by SARGENT - MicroProx™ Tag ordered individually*** - Min. order is 25 MicroProx™ Tag 	<p>NOTE: The MicroProx™ Tag should be attached to magnetic stripe cards so that contact with the magnetic card reader is avoided.</p>
MPT-C	<ul style="list-style-type: none"> - Site Code and Proximity ID#'s requested by customer - MicroProx™ Tag ordered individually*** - MicroProx Tag with custom Site Code, consult factory for minimum quantities 	
PF	PF SARGENT ProxKey II™ <ul style="list-style-type: none"> • Site Code and Proximity ID#'s determined and controlled by SARGENT • 26 Bit Format, HID Coded Wiegand Output 125kHz • Dimensions: 1-29/32" x 29/32" x 11/32" (48mm x 23mm x 9mm) • Includes Keyring • SARGENT ProxKey II™ ordered individually*** (Min order is 25 ProxKey II™) 	
PF-C	PF-C Custom ProxKey II™ <ul style="list-style-type: none"> • Site Code - requested by customer PF-C • Proximity ID#'s requested by customer • 26 Bit Format, HID Coded Wiegand Output 125kHz • Dimensions: 1-29/32" x 29/32" x 11/32" (48mm x 23mm x 9mm) • Includes Keyring • PF-C Custom ProxKey II™ ordered individually*** (Min order is 100 Custom ProxKey II™) 	

*** Products are ordered individually, Ordered Quantity is the number of individual items to be shipped. If a Qty of 25 is ordered - 25 individual items will be shipped
(Note: Min Order Requirements)

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PoE Hinges and Cables

Profile Series v.S1



Requirements for Electrical and Data Transfer

To answer the demand for “smart” electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx®, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power and data from the frame to the locking hardware.

Features of ElectroLynx®:

- Makes it easy to bring power and data to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect Profile Series v.S1 hardware to the electronic access control system, the following items are required:

- Profile Series v.S1 mortise or cylindrical lock, or exit device
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® PoE retrofit cable (order from MCKINNEY)
- Electronic transfer device ElectroLynx® PoE electronic transfer hinge, from MCKINNEY
- ElectroLynx® cable from the hinge to above the ceiling (order from MCKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the MCKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

MCKINNEY ElectroLynx® PoE Hinges

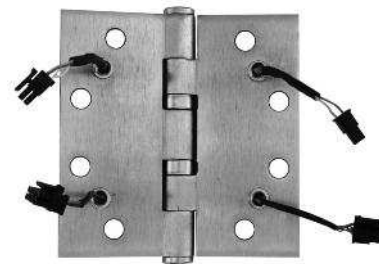
These are required system components and must be ordered separately from MCKINNEY.

Please note that one hinge, one door harness assembly and one frame harness assembly are required for each PoE opening.

The PoE door & frame harnesses can accommodate a variety of new (with raceway) and retrofit applications.

The door harness connectors are small enough to run through a 3/8" (minimum) stile-to-stile door raceway.

Patent Pending



PoE Hinges*

Description
4 ½ x 4 ½ TA2714 26D PoE (Standard Weight 5 knuckle)
4 ½ x 4 ½ T4A3786 26D PoE (Heavy Weight 5 knuckle)

PoE Door Harnesses
PoE Frame Harness

*See the MCKINNEY catalog for additional finishes and hinge types

Note: One hinge, door harness and frame harness are required for each PoE opening.

Door Width Cable Length Harness Description

Door Width	Cable Length	Harness Description
28" to 31"	36"	PoE-C300P
32" to 36"	42"	PoE-C306P
37" to 42"	48"	PoE-C400P
43" to 48"	54"	PoE-C406P
All are Cat5e, 26 AWG, Shielded, Stranded, 100 Ohm		

Cable Length Harness Description

Cable Length	Harness Description
180"	PoE-C1500P
Cat5e, 24 AWG, Shielded, Stranded, 100 Ohm	

Accessories and Software

Profile Series v.S1



52-2593 Protective Shroud



- Provides weather protection for outside escutcheon
- Cover and hinge molded of tough polycarbonate
- Stainless steel torsion spring maintains cover in closed position
- Easily lifts for access to keypad
- Comes with mounting hardware and gasket
- Fast, easy installation
- Order separately

52-2847 Conduit



- Provides weather protection inside of door
- Constructed of durable ABS material
- For non-fire rated exterior applications only
- Included with product

Weatherseal Gasketing

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

82-0500



For use with 8200 Mortise Escutcheon

68-1400



For use with 8800 or 8900 Exit Escutcheon

52-0263



For use with ET Trim

10-0469



For use with 10G77 Bored Escutcheon

Controller

†Mortise, Bored and Exits



Keypad Assembly

PK



52-2432

PA



52-2431

Assembly	Products	
Controller	Bored	52-4191
	Mortise	52-4201
	Exit	52-4201
Keypad	PK	52-2432
	PA	+52-2431

52-3852 v.S Adapter Cable



- Included with v.S1
- For DPS monitoring features
- Compatible with ElectroLynx® system

52-3893 Door Position Switch (DPS)



- SPDT concealed switch (2 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
- Supplied with v.S1 Exit Devices and Bored Locks

WFCD1 Network And Lock Configuration CD Tool Kit*

- At least one kit required per site. Allows for connection to and configuration of v.S1's network interface, as well as initial install settings.

Contains:

- NCT/LCT software
- Serial Adapter Cable (P/N 52-3956)
- Users' Manual (on CD)
- Prox Card



WFCD2 - Lock Management Tool (LMT) CD*

- Lock Management Tool™ allows programming, interrogation and overall management from a centralized location of up to 25 doors

Kit Contains:

- LMT software
- Users' Manual (on CD)



*The Network and Lock Configuration CD Tool Kit (WFCD1) is required to set up v.S1 locks. The Lock Management Tool (WFCD2) is required ONLY if third-party access control software is not being used.

Only one of each is required per system.

- Assemblies include circuit board and housing

*FCC approved

+Proximity only, no keypad

† Function configured with NCT/LCT

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Mechanical Options & Shipping Information

Profile Series v.S1



To order options listed below, list the alpha or numerical code before the product model number

Mechanical Options:

Add Strength	3-	Stainless steel hubs for institutional specifications (mortise locks only)
Fire Rated	12-	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Cylinder Dogging	16-	Cylinder lockdown (non-fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	19-	Pushbar without Lexan touchpad (exit devices only)
Strike Options	23-	4-7/8" (124mm) ANSI flat lip strike (for 8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4" (10 Line only)
10 Line Backset Options	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front for (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front for (10 Line only)
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
Flush End cap	43-	Flush End Cap (exit devices only)
Tactile Warning Options	75-	Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits)
	86-	Tactile Warning - Abrasive Coating on Outside Lever
Finish Protection	87-	Tactile Warning - Abrasive Coating on Outside Lever
	CPC-	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
SARGuide	SG-	MicroShield® antimicrobial clear powder coat (Not available with 10B Finish)
	PL-	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (Not available 75-, 77 & TL-)
Windstorm Options	HC-	Hurricane Code (rim exit devices only, see page 16 for details)
	WS-	Windstorm Rated (rim & mortise lock exit devices only, see page 16 for details)

Shipping Information

Lock	Shipping Weight	Pc. Count/Carton
S1-8276-PK x lever trim (with cylinder)	11.2 lbs (5.1kg)	1/carton
S1-8277-PK x lever trim (no cylinder)	10.7 lbs (4.9kg)	1/carton
S1-8278-PK x lever trim (with cylinder no deadbolt)	11.2 lbs (5.1kg)	1/carton
S1-8279-PK x lever trim (w/o cylinder no deadbolt)	10.7 lbs (4.9kg)	1/carton
S1-PK8877	21.0 lbs (9.5kg)	1/carton
S1-PA8977	23.0 lbs (10.4kg)	1/carton
S1-10G77-PKL	10.7 lbs (4.9kg)	1/carton

Cylinder Options

Profile Series v.S1



To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Conventional Cylinder	—	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
	10UL-	SARGENT Signature UL437 Key System (Not Available with 10 Line or other Key Systems)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	11-	XC Key System (not available with 10-, 10UL, 22- options)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Small Format Interchangeable Cores	11-70-7P-	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombined 7-Pin SFIC (Permanent) Core - (Packed Loose) (10 Line J lever not available)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered Separately)
Small Format Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10 Line J lever not available)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombined 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying) (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombined 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying) (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)

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Cylinder Options

Profile Series v.S1



To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Keso & Keso F1	81-	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
Bump Resistant	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	LC-	Hardware supplied less cylinder
Accepts Schlage Cylinders	30-	10 Line Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept MEDECO KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted (10 Line only)
	SE-	Schlage E keyway cylinder, 0 bitted (10 Line only)

Note: For V-10 Cylinders and information, contact ASSA, Inc. @ 800-235-7482

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Windstorm Certifications: UL Listed & Florida Building Codes

Profile Series v.S1



SARGENT Manufacturing offers a wide variety of products that meet building codes requiring hurricane, windstorm and FEMA certifications. SARGENT products are tested to meet the requirements of the most severe building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the standards met by these products.

S1-10 Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
* published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

S1-8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
* published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

S1-HC8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- S1-HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
* published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL2998-R2

S1-WS8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- S1-WS8800 for Single Hollow Metal 1-3/4" Thick Doors applications, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
* published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

S1-WS8900 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- S1-WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
* published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

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Architectural Specifications

Profile Series v.S1



A. Profile v.S1 10 Line Bored Locksets



Intelligent Power over Ethernet (PoE) lockset Access Control Bored Locks

1. Power over Ethernet (PoE) lockset Access Control Bored Locks to be 10-Line Series as manufactured by SARGENT Manufacturing of New Haven, CT.
2. BHMA certified extra heavy duty, lever type bored lock conforming to ANSI 156.2 Series 4000, Grade 1

standard and ANSI A117.1 accessibility guidelines. Motorized locking control of lever handle trim (solenoids not acceptable) with 1/2" anti-friction deadlocking latch, UL listed and labeled for up to 3 hour fire rated openings.

- a. Backset: 2-3/4 inches.

3. PoE control locks interface using Power over Ethernet connection to Local Area Network (LAN) facilitating centralized control via a Software Development Kit (SDK). Locks will continue to operate independent of Ethernet (LAN) connection slowdown or failure.

- a. Provide access control products with non-volatile memory.
4. Provide keypad/proximity (S1-PK) and proximity only (S1-PA) locks with a minimum of 2,000 user codes and the ability to audit the last 10,000 transactions.
5. Provide Lock Management Tool (S1-PA, S1-PK), Microsoft Windows operating system (2000/XP) compatible, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – event type, date, time, user ID and name

6. Monitoring: Software accessible monitoring (via SDK) of inside lever handle (Request-to-Exit) and Door Position Switch (door open/closed status).

7. Emergency override access capability by mechanical key retraction of latch bolt without electronic activation necessary.
8. Inside lever retracts latch bolt.
9. Locks to be weather resistant via installation of shroud (optional), conduit and gaskets.
10. Hard wiring electrical connections and wiring by others.
11. Cylinders: Reference 2.04 Keying for keying requirements.

B. Profile v.S1 8200 Series Mortise Locksets



Intelligent Power over Ethernet (PoE) lockset Access Control Mortise Locks

1. Power over Ethernet (PoE) lockset Access Control Mortise Locks to be 8200 Series as manufactured by SARGENT Manufacturing of New Haven, CT.
2. BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI 156.13 Series 1000, Grade 1

standard and ANSI A117.1 accessibility guidelines. Motorized locking control of lever handle trim (solenoids not acceptable) with 3/4" anti-friction deadlocking latch and 1" case-hardened steel deadbolt. UL listed and labeled for up to 3 hour fire rated openings.

3. PoE access control locks interface using Power over Ethernet connection to Local Area Network (LAN) facilitating centralized control via a Software Development Kit (SDK). Locks will continue to operate independent of Ethernet (LAN) connection slowdown or failure.

- a. Provide access control products with non-volatile memory.
4. Provide keypad/proximity (S1-PK) and proximity only (S1-PA) locks with a minimum of 2,000 user codes and the ability to audit the last 10,000 transactions.
5. Provide Lock Management Tool (S1-PA, S1-PK), Microsoft Windows operating system (2000/XP) compatible, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – event type, date, time, user ID and name

6. Monitoring: Software accessible monitoring (via SDK) of inside lever handle (Request-to-Exit), auxiliary latch, deadbolt, and door position switch (door open/closed status).

7. Emergency override access capability by mechanical key retraction of both latch bolt and deadbolt without electronic activation necessary.
8. Inside lever retracts latch bolt and deadbolt simultaneously.
9. Locks to be weather resistant via installation of shroud (optional), conduit and gaskets.
10. Hard wiring electrical connections and wiring by others.
11. Cylinders: Reference 2.04 Keying for keying requirements.

C. Profile v.S1 8800/8900 Series Rim and Mortise Exit Devices



Intelligent Power over Ethernet (PoE) lockset Access Control Rim and Mortise Exit Devices

1. Power over Ethernet (PoE) lockset Access Control Exit Devices to be 80 Series as manufactured by SARGENT Manufacturing of New Haven, CT.
2. BHMA certified panic and exit device hardware conforming to ANSI 156.3, Grade 1 standard and

ANSI A117.1 accessibility guidelines. U.L. listed for either panic or as "Fire Exit Hardware" for use on labeled doors up to 3 hour fire rated openings.

3. Motorized locking and unlocking of lever handle (solenoids not acceptable) contained completely within the body of the outside trim control. Provide lever design matching lock lever design.

4. PoE access control locks interface using Power over Ethernet connection to Local Area Network (LAN) facilitating centralized control via a Software Development Kit (SDK). Locks will continue to operate independent of Ethernet (LAN) connection slowdown or failure.

- a. Provide access control products with non-volatile memory.
5. Provide keypad/proximity (S1-PK) and proximity only (S1-PA) locks with a minimum of 2,000 user codes and the ability to audit the last 10,000 transactions.
6. Provide Lock Management Tool (S1-PA, S1-PK), Microsoft Windows operating system (2000/XP) compatible, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – event type, date, time, user ID and name

7. Monitoring: Software accessible monitoring (via SDK) of inside push bar (Request-to-Exit), latch, and door position switch (door open/closed status).

8. Provide keyed cylinder dogging feature for non-rated panic devices and keyed removable mullions as specified in the Hardware Groups.
9. Locks to be weather resistant via installation of shroud (optional), conduit and gaskets.
10. Hard wiring electrical connections and wiring by others.
11. Cylinders: Reference 2.04 Keying for keying requirements. Provide cylinders for exit devices with cylinder override and cylinder dogging features.

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800-727-5477 • www.sargentlock.com

Founded in the early 1800s, 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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