

**SARGENT®**  
**ASSA ABLOY**

# Profile Series v.S2

Intelligent WiFi  
Access Control

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



# Intelligent WiFi Access Control

## Profile Series v.S2



### Table of Contents

|   |    |
|---|----|
| Overview and Features .....                           | 1  |
| Product Features .....                                | 2  |
| 8200 Series Mortise Locks .....                       | 3  |
| 10 Line Bored Locks .....                             | 4  |
| 80 Series Exit Devices .....                          | 5  |
| Standard and Coastal Levers, Finishes & Handing ..... | 6  |
| Studio Collection Levers .....                        | 7  |
| Lock Management Tool .....                            | 8  |
| Access Credentials .....                              | 9  |
| Accessories and Software .....                        | 10 |
| Accessories .....                                     | 11 |
| Architectural Specifications .....                    | 12 |
| Options .....   | 13 |



### 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

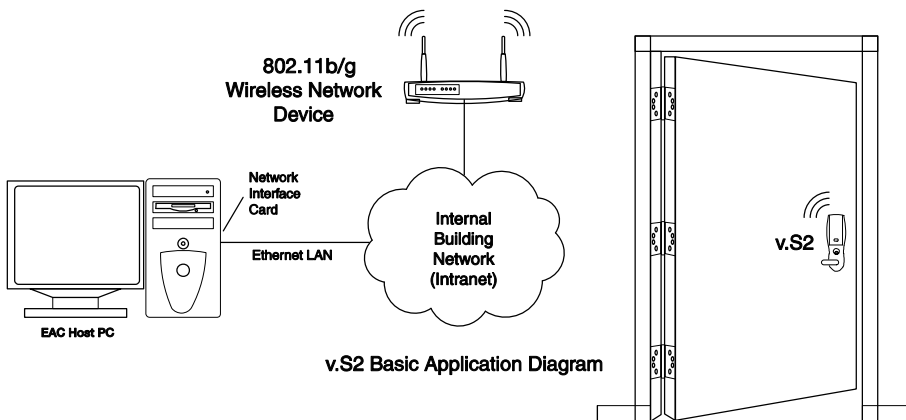
- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, 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.S2 Wireless Ethernet Typical Application



### Hardwiring Made Easy®



### ElectroLynx®

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

### On the Cover

v.S2 8200 Series Mortise Lock  
with a MJ Studio Collection Lever

# Overview and Features

## Profile Series v.S2



### Overview

The SARGENT® Profile Series v.S2 intelligent WiFi products with Lock Management Tool software provide the ability to manage hardware from a centralized location through an existing wireless network. The Profile Series v.S2 provides a broad selection of technologies, features and mechanical locking means housed in a sleek, architecturally pleasing design. Programming and security management is performed utilizing 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.

All technology features are supported by the physical security of a SARGENT ANSI Grade 1 mechanical locking device: Mortise, Bored or Exit. These access control devices allow for optimal electronic control and are UL Listed for use on fire doors. Trims and finishes are identical among the various technology offerings (v.S2-PA, v.S2-PK) allowing for a cost-effective combination and design.

All technologies with a keypad feature, have the option of using pin codes (4 digits) 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.S2 locks (up to 25) from a centralized location. The LMT application, on a PC, and the Profile Series v.S2 locks communicate using a wireless (IEEE 802.11 b/g) infrastructure.

This centralized control satisfies the need to protect occupants in a building, including updating access privileges, audit trail reporting, alarms and door status monitoring (open/close).

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

The SARGENT v.S2 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 and contract hardware distributors, 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.S2 - Access Control Features

- 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
- Advanced data security with standard encryption techniques
  - 128-bit AES encryption
  - Supports open standard WiFi network security - WEP, WPA, LEAP
- 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\*
- Supports all HID 125 kHz proximity formats up to 39 bits, including Corporate 1000
- Dual credentials available with keypad option(PK)
- Simplified lock configuration with Network and Lock Configuration Tool Kit (CBL-S2A) required (see page 13)

\* External power required

- Easily integrates with any access control system - great for retrofits and expansions!
- No wires to pull results in significant reduction in hardware and labor cost, and easy installation in hard-to-wire locations
- Up to 80% faster than traditional access control installations - integrates hardware, card reader, door position switch and Request-to-Exit sensor into one device
- Utilizes WiFi infrastructure - no need to visit the door to update lock!
- No "home run" wiring or proprietary infrastructure required
- Reliable communication from an access control router (802.11 b/g)

#### Powering Options

- Six (6) AA batteries included for completely wireless applications

|              | Accesses per Door | With Comm Session(s)/day | Batteries will last approximately |
|--------------|-------------------|--------------------------|-----------------------------------|
| Low Usage    | 60 /day           | 1                        | 22 months                         |
| Medium Usage | 120 /day          | 2                        | 14 months                         |
| High Usage   | 300 /day          | 5                        | 7 months                          |

- Hard wiring is accomplished with a 3267 Remote Power Supply (sold separately, see page 10) and ElectroLynx Hinge (sold separately)

# Product Features

## Profile Series v.S2



### "S2-PA" Proximity Only Products



*Exit Device shown*

The "S2-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). This configuration is ideal for high traffic applications where keypad usage is less desirable: universities, laboratories or hospitals.

### "S2-PK" Proximity/Keypad Products



*Mortise shown*

The "S2-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). The "S2-PK" can be programmed to require both proximity and Pin Code (4 digits) to gain entry or proximity only.

# 8200 Series Mortise Locks

## Profile Series v.S2



The motorized 8200 Mortise Lock Profile Series v.S2 one-piece escutcheon has a clean, crisp design and can be aesthetically complemented by SARGENT Studio Collection and Coastal Series levers along with 13 hardware finishes. The Profile Series v.S2 Mortise Locks offer network access control solutions for business and facility entrances, computer room areas, telephone rooms, health clubs, and child care facilities. The Mortise Lock with deadbolt (82276, 82277) is an excellent choice for rest room doors providing privacy when the deadbolt is thrown.

### Mechanical Features

- Exceeds Grade 1 ANSI/BHMA A156.13 requirements
- 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- prefixes
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Batteries included

### Profile Series v.S2 Mortise Lock Functions

#### All v.S2 Mortise Functions feature:

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

#### Cylinder Override Function Features:

- Key outside retracts latch and deadbolt when trim is locked electronically
- Cylinder override requires Size 43-standard and removable core (1-3/8" [35mm] length of shell). Use size 44 cylinder for exterior doors using gasket

#### Deadbolt Function Features:

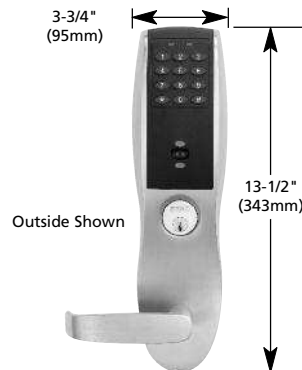
- When deadbolt thrown, outside lever operable only with Emergency or Master code
- Deadbolt monitoring
- 1" hardened stainless steel deadbolt

#### P2 Mortise Lock Functions

| If the lock needs to have:           | Then select: |      |          |            |
|--------------------------------------|--------------|------|----------|------------|
|                                      | Series       | Type | Function | Technology |
| <b>Prox and keypad</b>               |              |      |          |            |
| Cylinder override and deadbolt       | S2           | 82   | 276      | PK         |
| Cylinder override and no deadbolt    | S2           | 82   | 278      | PK         |
| Deadbolt and no cylinder override    | S2           | 82   | 277      | PK         |
| No deadbolt and no cylinder override | S2           | 82   | 279      | PK         |
| <b>Prox only</b>                     |              |      |          |            |
| Cylinder override and deadbolt       | S2           | 82   | 276      | PA         |
| Cylinder override and no deadbolt    | S2           | 82   | 278      | PA         |
| Deadbolt and no cylinder override    | S2           | 82   | 277      | PA         |
| No deadbolt and no cylinder override | S2           | 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.S2 Mortise Lock

| Options             | Series   | Type | Function | Technology | Levers                                   | Finish | Hand               |
|---------------------|--|------|----------|------------|--|--------|--------------------|
| Select from page 13 | Select from S2 Mortise Lock Function chart above |      |          | PK or PA   | Select lever and finish from pages 6 & 7 |        | RHR, LHR, RH or LH |
| Example:            | S2-82-276  |      |          | PK         | G  | 03     | RH                 |

# 10 Line Cylindrical Locks

## Profile Series v.S2



The Profile Series v.S2 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. The Profile Series v.S2 products offer wireless access control solutions for meeting rooms, country club locker rooms and assisted living facilities.

### Mechanical Features

- Exceeds Grade 1 ANSI/BHMA A156.2 requirements
- 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
- Handed (Specify RH, RHR, LH or LHR)
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 10-UL-, 82-, 83-, 84- or VS- prefixes
- Batteries included

### 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.S2-10G77



### v.S2 Cylindrical Locks



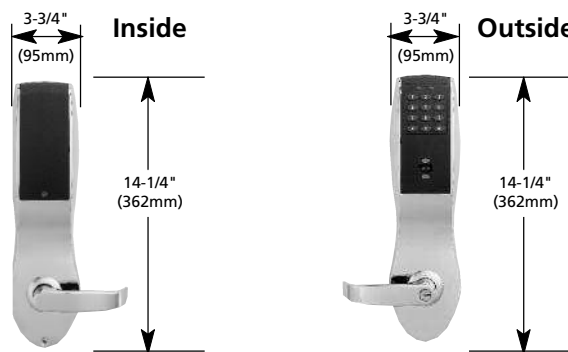
- Key outside always retracts latch
- Lever outside rigid except when in "passage" mode or valid user code entered
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Cylinder override standard
- "Request-to-Exit (REX)" signaling standard
- Software accessible Request-to-Exit and Door 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

| If the lock needs to have: | Then select: |      |          |            |
|----------------------------|--------------|------|----------|------------|
|                            | Series       | Type | Function | Technology |
| <b>Prox and keypad</b>     |              |      |          |            |
| Cylinder override          | S2           | 10   | G77      | PK         |
| <b>Prox only</b>           |              |      |          |            |
| Cylinder override          | S2           | 10   | G77      | PA         |

### Escutcheons

- Solid diecast zinc
- Projection at bottom 11/16" (17mm) less lever
- Projection at top 1-5/8" (41mm)
- 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.S2 Cylindrical Locks

| Options             | Series   | Type      | Function | Technology | Levers                                   | Finish | Hand               |
|---------------------|--|-----------|----------|------------|--|--------|--------------------|
| Select from page 13 | Select from S2 Cylindrical Lock Function chart above |           |          | PK or PA   | Select lever and finish from pages 6 & 7 |        | RHR, LHR, RH or LH |
| Example:            |  | S2-10-G77 |          | PK         | G  | 03     | RH                 |

Copyright © 2003, 2004, 2007, 2008, 2009, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

# 80 Series Exit Devices

## Profile Series v.S2



The Profile Series v.S2 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
- 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- prefixes
- Batteries included

### 52-3893 Door Position Switch (DPS)

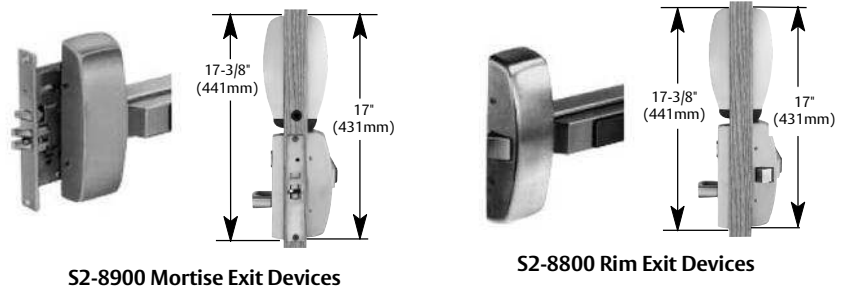
- SPDT concealed switch (2 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
- Supplied with v.S2 Exit Devices

### All S2 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 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 Cylinder Override features:

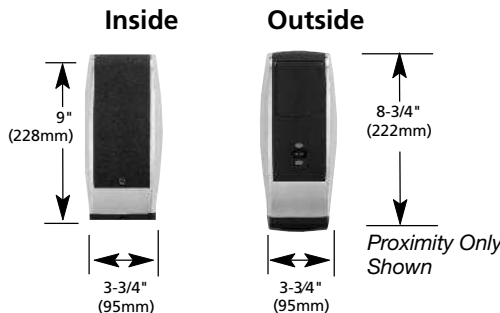
- Cylinder override for 8877 is a 34 rim cylinder; for 8977 is a 46 Mortise cylinder (1-3/4" length)



| If the lock needs to have: | Mortise Exit |            |      |          | Rim Exit |            |      |          |
|----------------------------|--------------|------------|------|----------|----------|------------|------|----------|
|                            | Series       | Technology | Type | Function | Series   | Technology | Type | Function |
| <b>Prox and keypad</b>     |              |            |      |          |          |            |      |          |
| Cylinder override          | S2           | PK         | 89   | 77       | S2       | PK         | 88   | 77       |
| No Cylinder override       | S2           | PK         | 89   | 78       | S2       | PK         | 88   | 78       |
| <b>Prox only</b>           |              |            |      |          |          |            |      |          |
| Cylinder override          | S2           | PA         | 89   | 77       | S2       | PA         | 88   | 77       |
| No Cylinder override       | S2           | PA         | 89   | 78       | S2       | PA         | 88   | 78       |

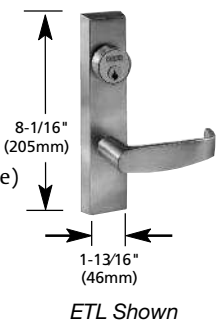
### Escutcheons

- 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 | Select from S2 Exit Device Function chart above |            |      |          | E: 24 - 32"; F: 33 - 36"; J: 37 - 42"; G: 43 - 48" | ET followed by lever designation from page 6 & 7 | RHR, LHR, RH or LH | Select from page 6 | If supplied, rails will be cut to size |
| Example:            | S2-KP-88-78                                     |            |      |          | G  | ETL  | RH                 | 03                 | 36"                                    |

# Standard and Coastal Levers & Finishes and Handing

## Profile Series v.S2



Profile Series v.S2 products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. P2 mortise locks and cylindrical locks are specified by rose design followed by the lever designation (e.g., TRP). P2 Exit devices are specified by the ET designation followed by the lever designation (e.g., ETP).

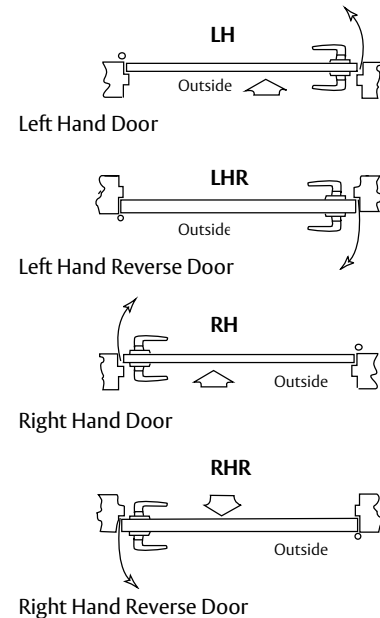
**Note: Exit devices are not available with roses: exits are only available with ET Trim**

### Finishes

SARGENT offers many different finishes for P2 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    |

### 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    |

| 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    |

Copyright © 2003, 2004, 2007, 2008, 2009, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.



# Studio Collection Levers

## Profile Series v.S2

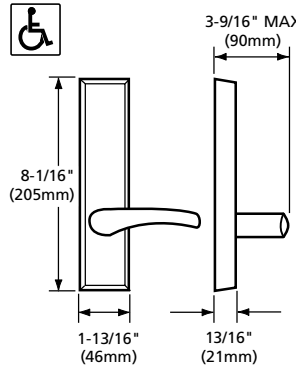


Studio Collection Levers are available with the P2 Mortise and Exit Device products with all functions offered. This creates uniformity throughout a facility.

| 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    |
| Notting Hill Series |        |        |         |      |
| MQ                  |        | Yes    | X       | X    |
| MR                  |        | -      | X       | X    |
| MT                  |        | Yes    | X       | X    |
| MM                  |        | Yes    | X       | X    |
| Rialto Series       |        |        |         |      |
| MO                  |        | -      | X       | X    |
| ML                  |        | Yes    | X       | X    |

| Centro Levers |        |        |         |      |
|---------------|--------|--------|---------|------|
| Lever         | Design | Handed | Mortise | Exit |
| MC            |        | -      | X       | X    |
| MD            |        | -      | X       | X    |
| MJ            |        | -      | X       | X    |
| MP            |        | -      | X       | X    |

### ET Lever Controls for Exit Devices



The 700 Series ET and Lever Control is the external trim with all v.S2-80 Series Exit Devices

ET Escutcheons and levers are plated brass

Stainless steel levers are available

# Lock Management Tool

## Profile Series v.S2



### 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.S2 WiFi locks via 802.11b/g wireless infrastructure. Lock Management Tool is a program that 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 most of the daily administration and configuration being done through a 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
- 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

• Please be aware LMT is not compatible with SQL 2005 or 2008

- Optional 9VDC Powering (3267 w/battery backup, sold separately; see pg.13) utilizing appropriately sized conductors (i.e., 18 AWG - stranded)

**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 includes the Lock Management Tool as a reference application and 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.S2 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<br>for SARGENT<br>logo on card  | <b>SARGENT HID ProxCard II™</b> <ul style="list-style-type: none"> <li>• Site Code and Proximity ID#'s determined and controlled by SARGENT</li> <li>• 26 Bit Format, HID Coded Wiegand Output 125kHz</li> <li>• Dimensions: 2-1/8" x 3-3/8" (54mm x 86mm)</li> <li>• Thickness: .070" nom. (1.8mm)</li> <li>• Cards ordered individually*** (Min. Order is 25 Cards)</li> </ul>  |   |
| PCH-B70<br>for blank<br>white card  |   |  |
| PCH-L30<br>for SARGENT<br>logo on card  | <b>ISO Prox Card II™ (Printable Card)</b> <ul style="list-style-type: none"> <li>• Site Code and Proximity ID#'s determined and Controlled by</li> <li>• 26 Bit Format, HID Coded Wiegand Output 125kHz</li> <li>• Dimensions: 2-1/8" x 3-3/8" (54mm x 86mm)</li> <li>• Thickness: .031" nom. (1.8mm)</li> <li>• Blank Cards can be printed on by others</li> <li>• Cards ordered individually*** (Min. Order is 25 Cards)</li> </ul>     |   |
| PCH-B30<br>for blank<br>white card  |   |  |
| Contact<br>Factory for<br>specifications<br>options and<br>pricing  | <b>DuoProx™ Card</b> <ul style="list-style-type: none"> <li>• Multiple Technology Proximity Cards - DuoProx™– dual technology - proximity &amp; magnetic stripe</li> <li>• DuoProx™ cards with unique site codes for higher level of security (SARGENT 1000) are available</li> <li>• Cards ordered individually*** (Min order is 100 Cards)</li> </ul>   |    |
| <p><b>The MicroProx™ Tag</b> 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"> <li>• Easily Secured To: Employee badges, PDAs, Magnetic stripe cards, Cell phones</li> <li>• 26 Bit Format, HID Coded Wiegand Output 125kHz</li> <li>• Proximity ID# marked on each Tag</li> <li>• Gray color with HID Logo</li> <li>• Dimensions: 1.285" Dia. x 0.070" (32.6mm x 1.78mm)</li> </ul> |   |   |
| MPT   | <ul style="list-style-type: none"> <li>- Site Code and Proximity ID#'s determined and controlled by SARGENT</li> <li>- MicroProx™ Tag ordered individually***</li> <li>- Min. order is 25 MicroProx™ Tag</li> </ul>   | <p><b>NOTE:</b> 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"> <li>- Site Code and Proximity ID#'s requested by customer</li> <li>- MicroProx™ Tag ordered individually***</li> <li>- MicroProx Tag with custom Site Code, consult factory for minimum quantities</li> </ul>  |  |
| PF  | <b>PF SARGENT ProxKey II™</b> <ul style="list-style-type: none"> <li>• Site Code and Proximity ID#'s determined and controlled by SARGENT</li> <li>• 26 Bit Format, HID Coded Wiegand Output 125kHz</li> <li>• Dimensions: 1-29/32" x 29/32" x 11/32" (48mm x 23mm x 9mm)</li> <li>• Includes Keyring</li> <li>• SARGENT ProxKey II™ ordered individually*** (Min order is 25 ProxKey II™)</li> </ul>                                     |   |
| PF-C  | <b>PF-C Custom ProxKey II™</b> <ul style="list-style-type: none"> <li>• Site Code - requested by customer</li> <li>• PF-C • Proximity ID#'s requested by customer</li> <li>• 26 Bit Format, HID Coded Wiegand Output 125kHz</li> <li>• Dimensions: 1-29/32" x 29/32" x 11/32" (48mm x 23mm x 9mm)</li> <li>• Includes Keyring</li> <li>• PF-C Custom ProxKey II™ ordered individually*** (Min order is 100 Custom ProxKey II™)</li> </ul> |   |

\*\*\* 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)

# Accessories and Software

## Profile Series v.S2



### 3267 Remote Power Supply



- The Hard Power option (91-) is recommended for high traffic doors and multiple daily communication sessions
- Provides a filtered and regulated 9VDC remote power for Profile Series v.S2 locks
- Each unit can supply power to (1) Profile Series product\*\*

- Optional 12VDC Gel Cell battery allows for operation in the event of a power failure (Strongly recommended for applications without cylinder over-ride to prevent lock-out)
- Requires Manufactured door with ElectroLynx or retrofit harnesses through door (see p.11) & ElectroLynx Hinge\*

Reference template list below for correct raceway preparation:

- 4540 – Bored Lock
- 4541 – Mortise Lock
- 4542 – Rim and Mortise Exits

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)

\* Recommended for new opening. Retrofit application may require surface mounted wire mold and transfer loop by others.

\*\*Note: S2 lock controller requires (6) AA batteries (P/N 01-0898) even when hard powered

### 52-0256 Gel Cell Battery

- Optional for 3267 Remote Power supply
- Provides continuous operation of Profile Series v.S2 in the event of a power failure
- 12VDC 1.2 AH rating
- 10,000 cycles typical in the event of power failure

### 3267 Replacement Parts

#### 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

#### 52-2498

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

### 52-3852 v.S Adapter Cable

- Included with v.S2
- Allows for hard powering (91-) of v.S2 and certain 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.S2 Exit Devices and Bored Locks



### WFCD1 Network And Lock Configuration CD Tool Kit\*

- Required to configure network settings of v.S2 Lock

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)



\* Both the Network and Lock Configuration CD Tool Kit (WFCD1) and the Lock Management Tool (WFCD2) are required to set up v.S2 locks. Only one of each is required per system.



**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

**McKINNEY QC4 ElectroLynx Hinges to hard power v.S2 applications**



- 4-wire ElectroLynx Hinge with 8 pin Molex Connectors
- 1 Amp capacity - Low Voltage 24V per circuit
- Wires contained within hinge - invisible and tamper proof
- 28 Gauge Wire

**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
- For Mortise gasket (82-0500), a longer cylinder (44) is required.

**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

**ElectroLynx Harnesses**

| SARGENT                  | Description   | Application  |
|--------------------------|---|--|
| 52-2985<br>3' Harness    | One end fully assembled 8-Pin connector w/8 wires. Other end wires terminated with ElectroLynx terminals. Supplied with connector body for field installation. Has outer jacket | Used to hard power (91-) v.S2 products through the door to the QC4 or QC8 Hinge  |
| 52-2986<br>15' Harness   |   |  |
| 52-2987**<br>3' Harness  | One end fully assembled 8-Pin connector w/8 wires. Other end wires only. Supplied with separate pins and connector for field installation. Has outer jacket                     | The harness is fed through door & then crimp pins & connectors are installed. Requires a Molex crimping tool. 52-0439  |
| 52-2988**<br>15' Harness |   |  |
| 52-3000                  | Molex Repair and Service Kit. Female receptacles, male plugs, and terminals can be purchased separately. See instruction book that came with the Molex repair kit.              | Includes 2, 4, 8 Molex receptacles and plugs (10 each) and the corresponding terminals (100 per kit) and extraction tool. Molex hand crimp tool sold separately. |
| 52-0439                  | Molex Hand Crimp Tool   | Tool used to attach Molex terminals to wire (stripped) ends.   |

\*\* Includes 25 terminals and 8-pin & 4-pin connectors.

**Keypad Assembly**



52-2432



52-2431

**Controller**



| Assembly   | Products | S2-PK*  | S2-PA*   |
|------------|----------|---------|----------|
| Controller | Bored    | 52-2896 | 52-2896  |
|            | Mortise  | 52-2916 | 52-2916  |
|            | Exit     | 52-2916 | 52-2916  |
| Keypad     | All      | 52-2432 | +52-2431 |

- Assemblies include circuit board and housing
- Batteries not included
- \*FCC approved
- +Proximity only, no keypad

# Architectural Specifications

## Profile Series v.S2



### A. Profile v.S2 10G77 Series Bored Locksets



#### Intelligent WiFi Access Control Bored Locks

1. WiFi 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. WiFi access control locks interface using wireless connection to an Ethernet Local Area Network (LAN) facilitating centralized control via a Software Development Kit (SDK). Locks will continue to operate independent of Ethernet (LAN) wireless connection slowdown or failure.
  - a. Provide access control products with non-volatile memory.
4. Provide keypad/proximity (S2-PK) and proximity only (S2-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 (S2-PA, S2-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. 6 AA alkaline batteries power supply with LED indication of locked, programming mode and low capacity warning status conditions
11. Hard wiring electrical connections and wiring by others.
12. Cylinders: Reference 2.04 Keying for keying requirements.

### B. Profile v.S2 8200 Series Mortise Locksets



#### Intelligent WiFi Access Control Mortise Locks

1. WiFi 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. WiFi access control locks interface using wireless connection to an Ethernet Local Area Network (LAN) facilitating centralized control via a Software Development Kit (SDK). Locks will continue to operate independent of Ethernet (LAN) wireless connection slowdown or failure.
  - a. Provide access control products with non-volatile memory.
4. Provide keypad/proximity (S2-PK) and proximity only (S2-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 (S2-PA, S2-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. 6 AA alkaline batteries power supply with LED indication of locked, programming mode and low capacity warning status conditions
11. Hard wiring electrical connections and wiring by others.
12. Cylinders: Reference 2.04 Keying for keying requirements.

### C. Profile v.S2 8800/8900 Series Rim and Mortise Exit Devices



#### Intelligent WiFi Access Control Rim and Mortise Exit Devices

1. WiFi 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. WiFi access control locks interface using wireless connection to an Ethernet Local Area Network (LAN) facilitating centralized control via a Software Development Kit (SDK). Locks will continue to operate independent of Ethernet (LAN) wireless connection slowdown or failure.
  - a. Provide access control products with non-volatile memory.
5. Provide keypad/proximity (S2-PK) and proximity only (S2-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 (S2-PA, S2-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. 6 AA alkaline batteries power supply with LED indication of locked, programming mode and low capacity warning status conditions
11. Hard wiring electrical connections and wiring by others.
12. Cylinders: Reference 2.04 Keying for keying requirements. Provide cylinders for exit devices with cylinder override and cylinder dogging features.

# Options

## Profile Series v.S2



### Prefixes Available

|        |   |
|--------|---|
| 3      | Stainless steel hubs for institutional specifications (mortise locks only)  |
| 10     | SARGENT Signature Key System  |
| 10UL   | SARGENT Signature Key System Meeting UL437 (mortise locks and exit devices only)  |
| 11     | XC Key System (not available with 10-, 10UL, 22-, 60-, 63-, 64-, V10 prefixes)  |
| 12     | UL Fire Label Exit hardware (exit devices only)   |
| 16     | Cylinder lockdown (non fire rated exit devices only)  |
| 19     | Pushbar without Lexan touchpad (exit devices only)  |
| 21     | SARGENT Lost Ball Construction Key System   |
| 22     | SARGENT Split Key System (existing systems only)  |
| 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)   |
| 30     | Lever to accept Schlage cylinder – no cylinder provided (10 line only)  |
| 36     | Six lobe security head screws   |
| 37     | Spanner head screws   |
| 41     | 3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 line only)  |
| 60     | SARGENT Removable Disposable Construction Core  |
| 63     | SARGENT Removable Core cylinder   |
| 64     | SARGENT Removable Core Construction Core cylinder   |
| 6573   | Small Format Interchangeable Core 6-pin uncombined core (10 line J lever not available)   |
| 65737P | Small Format Interchangeable Core 7-pin uncombined core (10 line J lever not available)   |
| 70     | Small format Interchangeable Core (6 or 7 Pin), plastic disposable core provided (10 line J lever not available)                    |
| 72     | Small Format Interchangeable Core 6-pin Construction Core cylinder (10 line J lever not available)                                  |
| 73     | Small Format Interchangeable Core 6-pin (10 line J lever not available)   |
| 737P   | Small Format Interchangeable Core 7-pin (10 line J lever not available)   |
| 75     | Milled inside lever (mortise); Handicap warning on inside lever (10 line); Tactile warning (exit devices)                           |
| 76     | Milled outside lever (mortise and exits); Handicap warning on outside lever (10 line)   |
| 77     | Milled both levers (mortise); Handicap Warning on both levers (10 line); Abrasive strip on rail & abrasive coating on lever (exits) |
| 80     | Levers to accept Keso & Keso F1 - No cylinder provided (10 Line only)   |
| 81     | Cylinder to accept Keso & Keso F1 removable core- no core provided (mortise locks & exit devices only)                              |
| 82     | SARGENT Keso Security cylinder. For existing systems only (10 line J lever not available)   |
| F182   | Keso Security Cylinder with Front Profile   |
| 83     | SARGENT Keso Security Removable Core cylinder (mortise locks & exit devices only)   |
| F183   | SARGENT Keso F1 Security Removable Core cylinder (mortise locks & exit devices only)  |
| 84     | SARGENT Keso Security Removable Construction Core cylinder (mortise locks & exit devices only)                                      |
| 91     | Hard Power Option   |
| BR     | Bump Resistant Cylinder (Available with Conventional & XC Cylinders Only)   |
| PL     | SARGuide™ PL – Photoluminescent Coated Push Rail – (exit devices only; Touchpad eliminated)   |
| SC     | Schlage C keyway cylinder, 0 bitted   |
| SE     | Schlage E keyway cylinder, 0 bitted   |
| SF     | L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 line only)             |
| SG     | MicroShield antimicrobial clear powder coat (on metal components only)  |
| VA     | SARGENT V-10 standard cylinder  |
| VC     | SARGENT V-10 Removable core (mortise locks & exit devices only)   |
| VCVS   | SARGENT V-10 Removable core cylinder unassembled (mortise locks & exit devices only)  |
| VS     | SARGENT V-10 standard cylinder unassembled  |

Copyright © 2003, 2004, 2007, 2008, 2009, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

SARGENT Manufacturing Company  
100 Sargent Drive  
New Haven, CT 06511 USA  
800-727-5477 • [www.sargentlock.com](http://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.

Copyright © 2003, 2004, 2007, 2008, 2009, Sargent Manufacturing Company, an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Sargent Manufacturing Company is prohibited.

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