

SN200/210 Series Integrated Wired Access Control and PIV Compatible Solutions

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



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SN Series



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

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.



The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure 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.

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an antimicrobial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

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.)

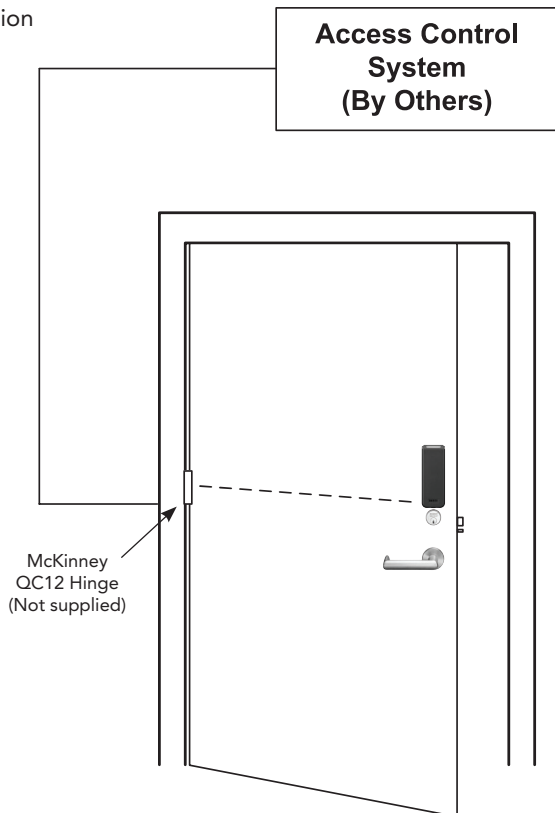


EcoFlex® Technology

- Reduces energy consumption up to 96% for electrified mortise locks and up to 95% for electrified exit trims, as certified by GreenCircle
 - Lower operating costs
 - Assists with load reduction in optimizing energy performance credit in LEED
 - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
 - Higher performance and reduced maintenance
 - Ability to have longer cable runs without negatively impacting lock function
 - Reduces risk of voltage drops and eliminates inductive kickback
 - Lower total cost of ownership



SN200/210 Series Typical Application



On the Cover

SN200/210-82274 x LNNI Mortise Lock with the NI Studio Collection lever

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Overview, Features and Electrical Specifications

SN Series



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Overview

The SARGENT SN200/210 Series brings the latest in security and versatility to our Integrated Wired access control solutions. Featuring Signo Reader Technology from HID Global®, the SN200/210 Series is ideal for mixed credential environments and enables easy migration to higher security credentials and mobile access. Available with either keypad or non-keypad reader, the SN200/210 offers the convenience of using card or PIN for authentication or for added security, card plus PIN allowing dual factor authentication.

The SN200 is available with Wiegand communication protocol while the SN210 communicates via Open Supervised Device Protocol (OSDP) allowing for secure channel, serial communication between the reader and the Physical Access Control System (PACS). OSDP is rapidly becoming the industry standard due its ability to continuously monitor end-to-end wiring, protecting against tampering and "man in the middle" attacks. Featuring AES-128 encryption, OSDP provides supervised, bi-directional communication between the reader and the PACS.

The SARGENT SN210 Series features a FICAM approved, FIPS 201-3 compliant solution for use on SP 800-116 "Controlled" security openings within US Federal Government and Military facilities. The SN210 provides a simple-to-deploy, cost-effective solution for facilities implementing PIV/ PIV-I compatible security while the option for Dual Factor Authentication is available with keypad variants.

Backed by SARGENT's Grade 1 hardware, the SN Series is available in configurations for 8200 and R8200 Mortise Locks, 10X Line Cylindrical Locks, a variety of PE80 and 80 Series Exit Devices including vertical rod functions, and FM7300 Multi Point devices.

SN Series Signo Reader Technology Solution

Featuring Signo Reader Technology from HID Global®, the SN Series supports multiple industry leading credentials, making it ideal for mixed credential populations and facilities transitioning to higher security credentials.

The SN200/210 Series is available with two options for credential support:

1. Mobile 2.4 GHz and High Frequency 13.56 MHz only
2. Mobile 2.4 GHz, High Frequency 13.56 MHz, and Low Frequency 125kHz

HID Mobile Access® Compatible

HID Mobile Access merges security with convenience by enabling a smartphone and other mobile devices to securely open a door. This unique solution enables Bluetooth Smart-enabled Signo readers to activate with a close range "tap" of a smartphone, or from a distance with HID Global's patented "Twist and Go" mode. Active feedback including vibration and sound enhances the user experience when opening doors.

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

The SARGENT SN Series 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 & service our technology products, including Aperio® Wireless, Integrated Wired, IP-enabled and self-configurable intelligent components:

Sold through



- The *Authorized Channel Partner (ACP)* program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators, and help with product selection based on the application.

To be installed by



- 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 with product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment.

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

Note: HID and iCLASS are registered trademarks of HID Global Corporation.

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Sophisticated Access Control Solution

- Features HID Global's Secure Identity Object (SIO™) digital credential technology to provide advanced security and performance
 - SIO digital credentials support data authenticity and privacy by binding information to a specific credential for additional authentication and encryption on top of device-specific security
- Features HID® Signo Reader Technology to support multiple credentials
 - Ideal for mixed credential environments and offers easy migration to higher security credentials and HID Mobile Access® powered by Seos®.
 - 2.4 GHz credentials:
 - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
 - 13.56 MHz credentials:
 - Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1/EV2 and MIFARE Classic (on by default)
 - Standard iCLASS Access Control Application, ISO14443A (MIFARE) CSN, ISO14443B CSN, and ISO15693 CSN
 - Apple Wallet
 - ISO14443A/B (PIV-compatible Transparent FASC-N read) available with FIPS and FKIPS variants
 - NFC-enabled mobile phones
 - 125 kHz credentials:
 - HID Prox®, AWID, EM4102
- Consolidates all components into the lock
 - Incorporates card reader, Door Position Switch (DPS) and Request to Exit (REX) signaling
 - Eliminates reader interface modules
- Significantly faster installation time, lower installed cost and reduced disruption
 - Requires only one cable run from the lock to the access control panel
 - Maintains architectural integrity around the door
- Surface detection feature allows reader to sense when it is mounted on metal and automatically recalibrate to optimize read range performance
- Open architecture platform is compatible with all standard access control systems
- Aesthetically complemented by SARGENT Studio Collection and Coastal Series levers - elegant design with ANSI Grade 1 hardware offering a complete hardware portfolio, including mortise locks, cylindrical locks and rim, surface and concealed vertical rod exit trim

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Overview, Features and Electrical Specifications

SN Series



Common Features of SN Series

- Keypad option for PIN and/or credential authentication
- A hard-wired platform for use with existing compatible access control systems
- Centralized control of all locks using customer's existing access control system
- For use on exterior doors
- A multi-colored LED indicates card read activity and can be manually controlled by access control panel
- Audible beep sounds with card read
- UL Listed for fire doors available (12- for exit devices) *
- UL Listed for Fire Doors Certified for Canada *
- Fail Safe or Fail Secure operation
- ElectroLynx® connector system reduces installation time and costs, improves reliability
- Monitoring is based on lock type selected
- Intelligent power management reduces reader power consumption by as much as 75%

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Electrical Specifications

Supplied power must be filtered and regulated

| Cylindrical | | 12v | | 24V | | |
|-------------|----------|----------|-------|---------------|--------------------------------------|-------|
| | | Average | Peak | Average | Peak | |
| | Reader | 75mA | 250mA | N/A | N/A | |
| | Actuator | 10mA | 500mA | 10mA | 500mA | |
| Mortise | | 12v | | 24V | | |
| | | Average | Peak | Average | Peak | |
| | Reader | 75mA | 250mA | N/A | N/A | |
| | Actuator | 15mA | 500mA | 15mA | 500mA | |
| Exit Device | | 12v | | 24V | | |
| | | Average | Peak | Average | Peak | |
| | | Reader | 75mA | 250mA | N/A | N/A |
| | | Actuator | 15mA | 500mA | 15mA | 500mA |
| | 56- ELR | N/A | N/A | 250mA dlogged | 1A inrush 600mA during retraction | |
| Multi-Point | | 12v | | 24V | | |

EcoFlex® mortise locks, exit devices, or multipoint locks:

12-24VDC Systems

- Reader draw = .125 Amp
- Peak actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

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8200 Series Mortise Locks

SN Series



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The SN Series Mortise Lock product integrates SARGENT's 8200 and R8200 Series Grade 1 mortise lock into an existing compatible access control system. The SN Series Mortise lock monitors the deadlatch as well as the latchbolt, producing SARGENT's "Latched and Secure" monitoring. This technology incorporates the deadlatch and latchbolt position in series, ensuring that the door is closed and the latchbolt is extended.

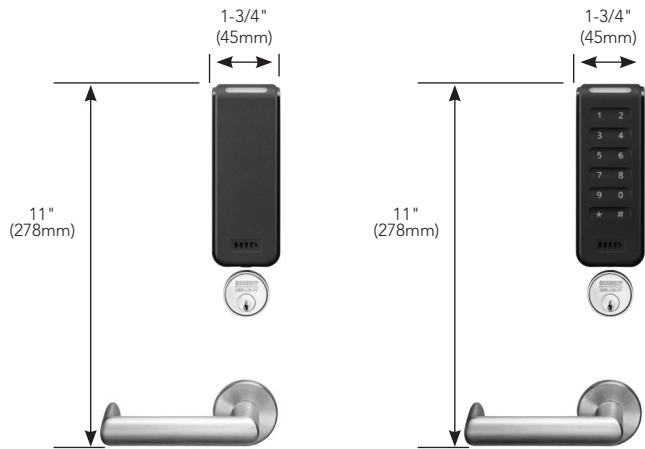
The SN Series mortise product has a clean, crisp design and is available with standard levers, Coastal Series levers and Studio Collection levers with roses or Simpli™ roseless trim in 13 hardware finishes. The use of similar lever designs across product lines provides uniformity within a facility. The mortise lock strength is unsurpassed and is enhanced by the deadbolt functions which meet Detention Impact Level One for additional security.

The SN Series Mortise Lock product is available with two options for UL294 compliance and reader LED indicator configuration:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
 - LED displays red in locked and unlocked state
 - Listed to UL294 (Access Control System Units)
2. Bluetooth Smart, Non-UL294 Compliant, green LED wire connected:
 - LED displays red in locked state and green in unlocked state
 - Provides easy visual indication of lock status
 - Product is NOT compliant to UL294 (Access Control System Units)

Mechanical Features

- Certified ANSI/BHMA Grade 1
- 3/4" stainless steel, anti-friction reversible latch
- 1" hardened stainless steel deadbolt
- Stainless steel non-handed deadlocking latch
- Available with Studio Collection, Coastal Series, and standard lever designs. Simpli™ roseless trim also available when used with an R8200 lockbody.
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Key override requires a #41 cylinder standard
- Handed lockbody, easily field reversible without opening lockbody
- Trim is through-bolted for increased security and durability
- Features EcoFlex® technology
- SN Series 8200 Mortise Lock Windstorm Information
 - UL Listed per ANSI/SDI-BHMA A250.13
 - 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 (see Page 38 for additional information)
- Listed to UL 294 (Access Control System Units); Directory ALVY. BP10423*



SN200/210-82281 shown with
MB Studio Collection Levers and LN roses

Electrical Features

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock 12-24VDC
- Reader always 12VDC

Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

*UL294 listing for SN200 Series available with 03, 04, or 0D credential modifier only. SN210 is always UL294 compliant. See Ordering SN Series Mortise Locks for more detail.

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8200 Series Mortise Locks

SN Series



Options

Select options from pages 35-37

SN Series Mortise Lock Functions

All SN Series Mortise Functions feature:

- Trim outside rigid unless unlocked electronically
- Trim inside always retracts latch and/or deadbolt
- Guardbolt deadlocks latch
- Request-to-Exit monitoring
- Door Position monitoring

Description of Functions: (see chart at right)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

Credential Modifier

- 03 UL294 Compliant, tamper wire connected BIS/BIKS/BIPS/BIKPS/FIPS/FIKPS: 200-bit output (FIPS/FIKPS)
- 0E Non-UL294 Compliant, green LED wire connected BIS, BIKS, BIPS, BIKPS only
- 04 UL294 Compliant, tamper wire connected FIPS/BIKPS: 75-bit output
- 0D UL294 Compliant, tamper wire connected FIPS/BIKPS: 128-bit output
- 0F Non-UL294 Compliant, green LED wire connected FIPS/BIKPS: 200-bit output
- 0G Non-UL294 Compliant, green LED wire connected FIPS/BIKPS: 75-bit output
- 0H Non-UL294 Compliant, green LED wire connected FIPS/BIKPS: 128-bit output

High Security Monitoring Options

- Internal End-of-Line Monitoring
Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

Select a compatible resistor configuration and add the appropriate prefix to your order string:

- R01: Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
- R03: Software House compatible 1KΩ/2KΩ resistance supervision
- R04: AMAG compatible 4-state supervision

- Deadbolt Privacy Function (PHR-)
 - Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
 - Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
 - To order, add the PHR- prefix to your order string (available only with deadbolt)
- Integrated Door Position Switch (IDP-)
 - The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
 - This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
 - To order, add the IDP- prefix to your order string

SN Series Mortise Lock Functions

| If the lock needs to have: | | Then select: | | |
|---------------------------------|-------------|---------------------------------|-------|----------|
| | | Series | Type* | Function |
| No key override and no deadbolt | Fail Safe | SN200 (Wiegand) SN210 (OSDP) | 82 | 274 |
| | Fail Secure | SN200 (Wiegand) SN210 (OSDP) | 82 | 275 |
| No key override with deadbolt | Fail Safe | SN200 (Wiegand) SN210 (OSDP) | 82 | 284 |
| | Fail Secure | SN200 (Wiegand) SN210 (OSDP) | 82 | 285 |
| Key override and no deadbolt | Fail Safe | SN200 (Wiegand) SN210 (OSDP) | 82 | 270 |
| | Fail Secure | SN200 (Wiegand) SN210 (OSDP) | 82 | 271 |
| Key override and deadbolt | Fail Safe | SN200 (Wiegand) SN210 (OSDP) | 82 | 280 |
| | Fail Secure | SN200 (Wiegand) SN210 (OSDP) | 82 | 281 |

* Specify R82 for the R8200 lockbody with Simpli™ roseless trim.

Outside Electrical Trim

- BIS HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
- BIKS HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
- BIPS HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
- BIKPS HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
- FIPS*** PIV compatible
- FIKPS*** PIV compatible with Keypad

Roses/Levers/Finish

Select rose, lever and finish from pages 29-32

Ordering SN Series Mortise Locks (Simpli™ roseless trim is specified by R82 for lock type and an R for the rose designation)

| Options | Series | Type | Function | Lock Voltage** | Outside Electrical Trim | Credential Modifier* | Roses | Levers | Finish | Hand |
|-------------|--------|------|----------|----------------|-------------------------|----------------------|-------|--------|--------|------|
| R01-IDP | SN200 | | R82274 | 12V | BIPS | 03 | LN | MD | 26D | LHR |
| R04-PHR-IDP | SN210 | | 82280 | 24V | BIKPS | 0E | LN | MD | 26D | RHR |

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

**With SN Series, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage.

***Please contact your local Door Security Solutions sales representative for FIPS and FIKPS availability.

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10X Line Cylindrical Locks

SN Series



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The SN Series 10X Line Cylindrical Lock offers the ability to seamlessly integrate Grade 1 security into an existing compatible access control system. Door monitoring capabilities include a Request-to-Exit sensor which monitors movement of the inside lever and external Door Position Switch (3287).

The SN Series 10X Line Cylindrical Lock has a clean, crisp design and is available with many lever styles and eleven hardware finishes. The ability to use similar lever designs across the three product offerings provides uniformity when used throughout a facility.

The SN200 Series Cylindrical Lock is available with 2 options for UL294 compliance and reader LED indicator configuration:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
 - LED displays red in locked and unlocked state
 - Listed to UL 294 (Access Control System Units)
2. Bluetooth Smart, Non-UL 294 Compliant, green LED wire connected:
 - LED displays red during locked state and green in unlocked
 - Provides easy visual identification of lock status
 - Product is NOT compliant to UL 294 (Access Control System Units)



Mechanical Features

- Certified and exceeds ANSI/BHMA A156.2 Series 4000 - Grade 1
- "Request-to-Exit (REX)" signaling standard
- Latch Stainless Steel, 1/2" (13mm) throw
- Features EcoFlex® technology
- 2-3/4" (70mm) backset standard. 3-3/4" and 5" backsets also available
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Heavy duty lever spring return
- Steel mounting studs
- Key override standard
- SN Series 10X Line Windstorm Information
 - UL Listed per ANSI/SDI-BHMA A250.13
 - 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 (see Page 38 for additional information)
- Listed to UL 294 (Access Control System Units); Directory ALVY. BP10423*

Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

SN Series 10X Line Cylindrical Lock Functions

270 Fail Safe - Power off unlocks outside trim

271 Fail Secure - Power off locks outside trim

- Key outside always retracts latch
- Lever outside rigid except when trim is unlocked electronically, freewheeling optional
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Request-to-Exit signaling standard
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features on page 8)
- 10X Line Levers and Roses are shown on page 29 & 31

*UL294 listing for SN200 Series available with 03, 04, or 0D credential modifier only. SN210 is always UL294 compliant. See Ordering SN Series Mortise Locks for more detail.

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10X Line Cylindrical Locks

SN Series



SN Series Electrical Features

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Reader always 12VDC
- Fail Safe or Fail Secure option

SN Series Cylindrical Lock Functions

| If the lock needs to have: | | Then select: | | |
|----------------------------|-------------|---------------------------------|------|----------|
| | | Series | Type | Function |
| Key override | Fail Safe | SN200 (Wiegand) SN210 (OSDP) | 10XG | 270 |
| | Fail Secure | SN200 (Wiegand) SN210 (OSDP) | 10XG | 271 |

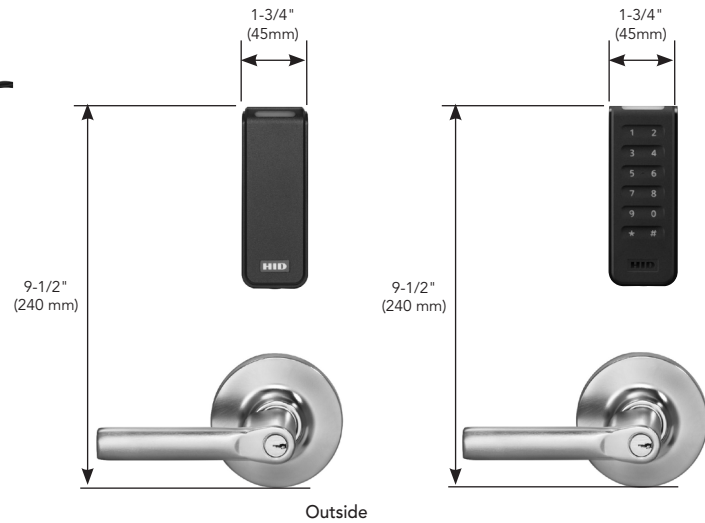
3287 Door Position Switch (DPS)

- SPDT concealed switch (3 wire)
- Contacts rated .50 Amp @ 12VDC
- Contacts rated .25 Amp @ 24VDC
- Requires 1" diameter hole



Credential Modifier

- 03 UL294 Compliant, tamper wire connected BIS/BIKS/BIPS/BIKPS/FIPS/FIKPS: 200-bit output (FIPS/BIKPS)
- 0E Non-UL294 Compliant, green LED wire connected BIS, BIKS, BIPS, BIKPS only
- 04 UL294 Compliant, tamper wire connected FIPS/BIKPS: 75-bit output
- 0D UL294 Compliant, tamper wire connected FIPS/BIKPS: 128-bit output
- 0F Non-UL294 Compliant, green LED wire connected FIPS/BIKPS: 200-bit output
- 0G Non-UL294 Compliant, green LED wire connected FIPS/BIKPS: 75-bit output
- 0H Non-UL294 Compliant, green LED wire connected FIPS/BIKPS: 128-bit output



Outside Electrical Trim

- BIS HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
- BIKS HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
- BIPS HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
- BIKPS HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
- FIPS** PIV compatible
- FIKPS** PIV compatible with Keypad

Ordering SN Series Cylindrical Locks

| Options | Series | Type | Function | Outside Electrical Trim | Credential Modifier* | Roses | Levers | Finish | Hand |
|---------|--------|---------|----------|-------------------------|----------------------|-------|--------|--------|------|
| | SN200 | 10XG270 | | BIPS | 03 | L | MD | 03 | RH |
| Example | SN210 | 10XG271 | | BIKPS | 0E | L | MD | 03 | RH |

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

**Please contact your local Door Security Solutions sales representative for FIPS and FIKPS availability.

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80 Series Exit Devices

SN Series



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The SN Series Exit Device product selection is SARGENT's most extensive exit device access control offering including 8800 Rim Exit Devices, 8900 Mortise Exit Devices, 8700 Surface Vertical Rod (SVR) Exit Devices and 8600 Concealed Vertical Rod (CVR) Exit Devices.

The SN Series Exit Device is available with two options for reader LED indicator configuration:

- Bluetooth Smart, UL294 Compliant, tamper wire connected:
 - LED displays red in locked and unlocked state
 - Listed to UL294 (Access Control System Units)
- Bluetooth Smart, Non-UL294 Compliant, green LED wire connected:
 - LED displays red in locked state and green in unlocked state
 - Provides easy visual indication of lock status
 - Product is NOT compliant to UL294 (Access Control System Units)

Mechanical Features:

- Certified ANSI/BHMA A156.3 Grade 1
- Listed to UL 294 (Standard of Safety for Access Control System Units); Directory ALVY.BP10423*
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Always allows free egress
- Trim outside rigid at all times unless unlocked electronically
- Request-to-Exit (REX) Signal Switch activated by pushing rail
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, page 8)
- 80 Series Levers are shown on page 29-32
- Features EcoFlex® technology

Description of Functions: (see chart below)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override Key outside retracts latch when trim is locked electronically

Concealed Vertical Rod/Surface Vertical Rod Models Feature:

- Key override is available for MD/WD/AD8600 CVR Devices (including NB-) with 106 Series Auxiliary Control
- Key override is available for 8700 SVR Devices with a 306 Series Auxiliary Control
- Key override is NOT available for NB-SN200/210-8700 devices
- The AFF is 41" for Standard Applications; when a 100 or 300 Series Auxiliary Control is used, 38" AFF is recommended to meet local accessibility standards

SN Series Electrical Features

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

SN Series Exit Device Functions

| | 8900 Mortise Exit Devices | | | 8800 Rim Exit Devices | | | 8700 Surface Vertical Rod Exit Devices | | | 8600 Concealed Vertical Rod Exit Devices | | |
|----------------------------|---------------------------------|------|----------|---------------------------------|------|----------|--|------|----------|--|-----------------|----------|
| | | | | | | | | | | | | |
| | Mortise Exit | | | Rim Exit | | | SVR Exit | | | CVR Exit† | | |
| If the lock needs to have: | Then select: | | | | | | | | | | | |
| | Series | Type | Function | Series | Type | Function | Series | Type | Function | Series | Type | Function |
| No key override | | | | | | | | | | | | |
| Fail Safe | SN200 (Wiegand) SN210 (OSDP) | 89 | 73 | SN200 (Wiegand) SN210 (OSDP) | 88 | 73 | SN200 (Wiegand) SN210 (OSDP) | 87 | 73 | SN200 (Wiegand) SN210 (OSDP) | MD86/WD86 /AD86 | 73 |
| Fail Secure | SN200 (Wiegand) SN210 (OSDP) | 89 | 74 | SN200 (Wiegand) SN210 (OSDP) | 88 | 74 | SN200 (Wiegand) SN210 (OSDP) | 87 | 74 | SN200 (Wiegand) SN210 (OSDP) | MD86/WD86 /AD86 | 74 |
| Key override | | | | | | | | | | | | |
| Fail Safe | SN200 (Wiegand) SN210 (OSDP) | 89 | 75 | SN200 (Wiegand) SN210 (OSDP) | 88 | 75 | SN200 (Wiegand) SN210 (OSDP) | - | - | SN200 (Wiegand) SN210 (OSDP) | - | - |
| Fail Secure | SN200 (Wiegand) SN210 (OSDP) | 89 | 76 | SN200 (Wiegand) SN210 (OSDP) | 88 | 76 | SN200 (Wiegand) SN210 (OSDP) | - | - | SN200 (Wiegand) SN210 (OSDP) | - | - |

*UL294 listing for SN200 Series available with 03, 04, or 0D credential modifiers only. SN210 is always compliant for UL294.
†8600 CVR Exit Devices must be ordered as WD for wood doors, AD for aluminum doors, or MD for metal doors.

80 Series Exit Devices

SN Series



Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader Projection is approximately 3/4"

Outside ET Lever Control

- Brass escutcheon
- Projection 13/16" (21mm)

Options

Select options from pages 35-37

Rail Size

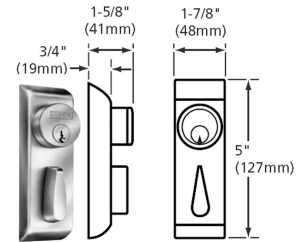
E: 24-32" F: 33-36" J: 37-42"
G: 43-48"

Outside Electrical Trim

- BIS HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
- BIKS HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
- BIPS HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
- BIKPS HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
- FIPS*** PIV compatible
- FIKPS*** PIV compatible with Keypad

Key Override for SN Series-8600 & SN Series-8700

- The 106 Series Auxiliary Control offers key override for MD/WD/AD8600 and NB-MD/WD/AD8600 Series Device.
Order example:
SN200-MD8674F x 12VDC x BIPS x 0E x ETL x 106 x RHR x 32D x 36" x 96
- The 306 Series Auxiliary Control offers key override for 8700 Series Device.
Order example:
SN210-8773F x 12VDC x BIPS x 0E x ETL x 306 x RHR x 32D x 36" x 84"



Credential Modifier

- 03 UL294 Compliant, tamper wire connected FIPS/FIKPS: 200-bit output
- 0E Non-UL294 Compliant, green LED wire connected BIS, BIKS, BIPS, BIKPS only
- 04 UL294 Compliant, tamper wire connected FIPS/FIKPS: 75-bit output
- 0D UL294 Compliant, tamper wire connected FIPS/FIKPS: 128-bit output
- 0F Non-UL294 Compliant, green LED wire connected FIPS/FIKPS: 200-bit output
- 0G Non-UL294 Compliant, green LED wire connected FIPS/FIKPS: 75-bit output
- 0H Non-UL294 Compliant, green LED wire connected FIPS/FIKPS: 128-bit output

Trim/Levers/Finish

Select ET followed by lever designation from pages 29-32 and finish from page 30

Door Width

If supplied, rails will be cut to size

Opening Height

Required for Vertical Rod Exit Devices

AFF

Center Line of Rail above Finished Floor (41" std)

Ordering SN Series Exit Devices

| Options | Series | Type | Function | Rail Size | Motor** | Outside Electrical Trim | Credential Modifier* | Trim/Lever | Hand | Finish | Door Width | Opening Height | AFF |
|---------|--------|------|----------|-----------|---------|-------------------------|----------------------|------------|------|--------|------------|----------------|-----|
| DG1 | SN200 | | 8773 | F | 12V | BIPS | 03 | ETL | RHR | 10B | 36" | 84" | 41" |
| DG1 | SN210 | | 8973 | J | 12V | BIKPS | 0E | ETL | LHR | 32D | 42" | 84" | 41" |

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

** The SN Series reader is always 12VDC. Please select either 12VDC or 24VDC for the Motor.

***Please contact your local Door Security Solutions sales representative for FIPS and FIKPS availability.

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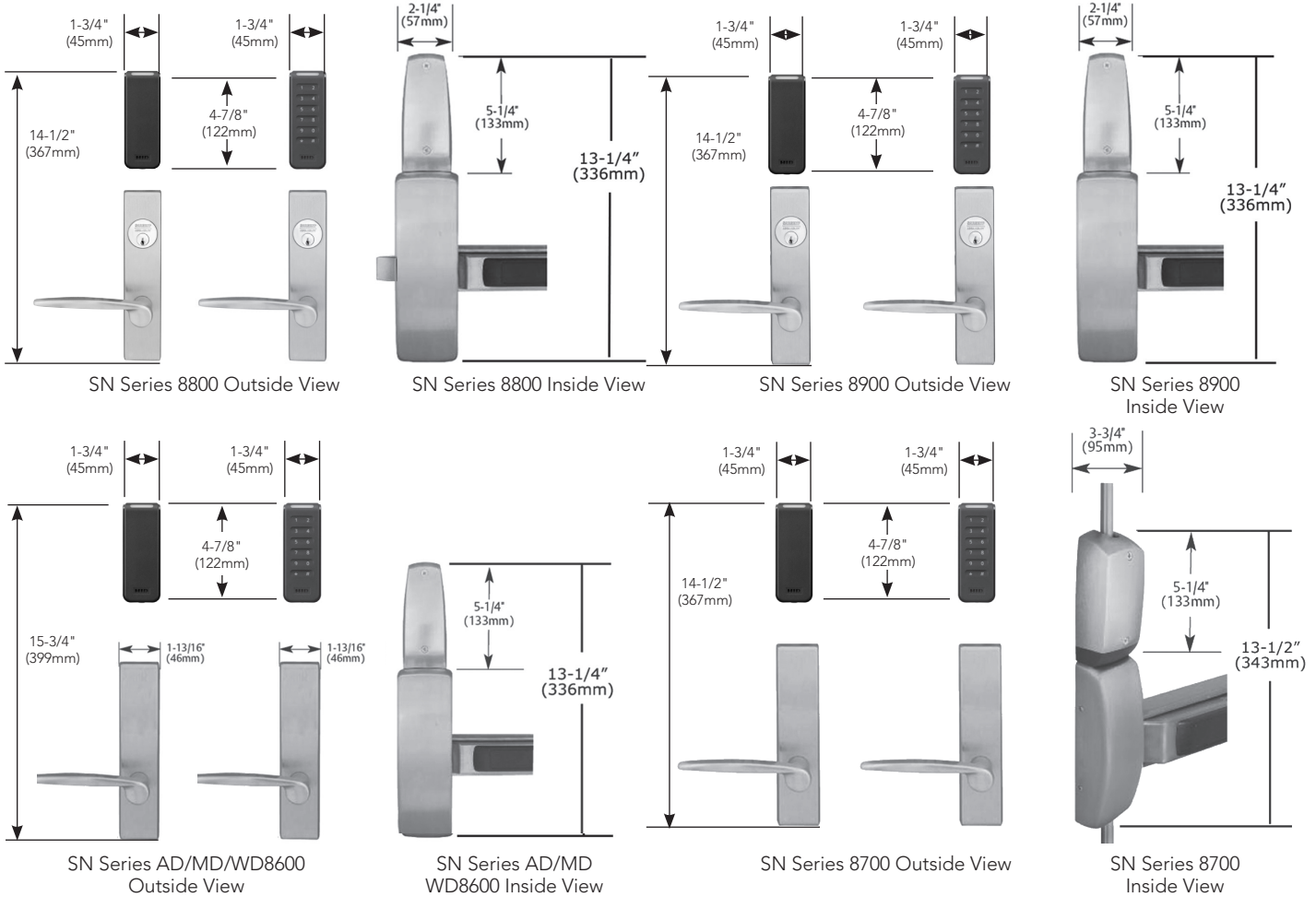
80 Series Exit Devices

SN Series



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How to specify and order ET Trim only (without Exit Device or Reader)

Specify N1 in the order string

- For 8900 Mortise Exit Devices: N1-773 ET*, N1-774 ET*, N1-775 ET* & N1-776 ET*
- For 8800 Rim Exit Devices: N1-773-8 ET*, N1-774-8 ET*, N1-775-8 ET* & N1-776-8 ET*
- For 8700 SVR Exit Devices: N1-773 ET* & N1-774 ET*
- For All 8600 CVR Exit Devices: N1-773-4 ET* & N1-774-4 ET*

* Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

Exit Windstorm Information:

- SN Series (SE Series) 8900 is UL Certification Directory ZHLL.R21744 Windstorm-Rated Assemblies
- SN Series (SE Series) WS8900 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 38 for details)
- SN Series (SE Series) WS8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 38 for details)
- SN Series HC8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies and listed on Florida Building Code Website: FL2998-R2 (See Page 38 for details)
- SN Series HC4-8700 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21774 Latching Hardware and listed on Florida Building Code Website: FL12712.2 (see page 38 for details)

Cylinder Sizes & Types for SN Series Exit Devices

Note: All mortise cylinders require a SARGENT standard offset cam (13-0664)

| M1 Products | 1-3/4" Door Thickness | 1-3/4" Door Thickness with Weather Shield |
|---------------------------------------|-----------------------|---|
| SN200/210-8900 Mortise Exit | # 46 Mortise (1-3/4") | # 46 Mortise (1-3/4") |
| SN200/210-8800 Rim Exit | # 34 Rim | # 34 Rim |
| SN200/210-8700 w/306 Control SVR Exit | # 41 Mortise (1-1/8") | # 41 Mortise (1-1/8") |
| SN200/210-8600 w/106 Control CVR Exit | # 41 Mortise (1-1/8") | # 41 Mortise (1-1/8") |

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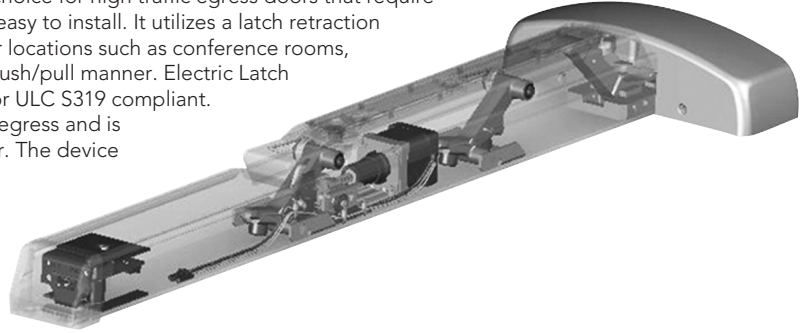
Electric Latch Retraction Option (56-)

SN Series



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SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner. Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant. The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



The SN 56- Exit Device product is available with two options for reader LED indicator configuration:

1. Bluetooth Smart, tamper wire connected:
 - LED displays red in locked and unlocked state
2. Bluetooth Smart, green LED wire connected:
 - LED displays red in locked state and green in unlocked state
 - Provides easy visual indication of lock status

56- Electric Latch Retraction Features

- 5 year warranty
- U.S. Patent No. 7,484,777; Additional patent(s) pending
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56-circuitry; System actively monitors its position and adjusts itself
- UL Listed for Class II Circuitry
- Power Requirements (supplied power must be filtered and regulated):
- Reader: 12VDC (200 mA)
- Exit Device: 24VDC (1 A inrush 600 mA during retraction, 250 mA maintained)
- Minimum Door Widths:
 - Wide Stile Door 28"
 - Narrow Stile Door 28"
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option (e.g., 56-SN200-8913F x ETMF x 32D x 36")

Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

Accessories

Required

- 3520 24VDC 1 AMP Power Supply
- 3521 12VDC 1 AMP Power Supply
- Electric transfer device also required

Optional

- 881 Monitor Strike



Note: HK- and 16- are not available for Fire Rated Doors

Note: The 56- Option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified

Electric Latch Retraction Option (56-)

SN Series



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Options

Select options from pages 35-37

Type/Function

Select from Exit Device Function page 14

Rail Size

E: 28-32" F: 33-36" J: 37-42"
G: 43-48"

| Function Description and Cylinder Information | SARGENT Function # | ANSI Function # |
|---|--------------------|-----------------|
| Night latch, key retracts latch #34 cylinder for 8800 #46 mortise cylinder for 8900 with ET #41 cylinder for 8900 with FLL, FLW, PTB, MAL, STS | 04/44 | 03 |
| Key unlocks trim, trim retracts latch/trim relocks when key is removed, #41 cylinder supplied | 06/46 | 09 |
| No outside operation (no cylinder), ET Control is used as pull only | 10/40 | 02 |
| Key unlocks/locks trim, #41 cylinder supplied | 13/43 | 08 |

Outside Electrical Trim

- BIS HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
- BIKS HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
- BIPS HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
- BIKPS HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
- FIPS*** PIV compatible
- FIKPS*** PIV compatible with Keypad

Credential Modifier

- 03 Tamper wire connected FIPS/FIKPS: 200-bit output
- 0E Green LED wire connected BIS, BIKS, BIPS, BIKPS only
- 04 Tamper wire connected FIPS/FIKPS: 75-bit output
- 0D Tamper wire connected FIPS/FIKPS: 128-bit output
- 0F Green LED wire connected FIPS/FIKPS: 200-bit output
- 0G Green LED wire connected FIPS/FIKPS: 75-bit output
- 0H Green LED wire connected FIPS/FIKPS: 128-bit output

Trim/Levers/Finish

Select trim/pull design from function chart below; for ET trim, select lever designation from pages 29-32 and finish from page 30

Door Width

If supplied, rails will be cut to size







Opening Height

Required for Vertical Rod Exit Devices

AFF

Center Line of Rail above Finished Floor (41" std)

Pull Trim Options

| SARGENT Function Number | ANSI Function Numbers | Description Cylinder Info. (1-3/4" Door) |  |  |  |  |  |  |
|-------------------------|-----------------------|--|---|---|---|---|---|---|
| 04 | 03 | Night Latch (key retracts latch) | FLL/FSL | FLW/FSW | MAL/MSL | PTB/PSB | STS | 862/863/ 864 |
| 10 | 02 | Pull Only (no O/S operation) | FLL | FLW | MAL | PTB | STS | 862/863/ 864 |

Ordering SN Series Exit Devices with Electric Latch Retraction

| Options | Series | Type | Function* | Rail Size | Outside Electrical Trim | Credential Modifier** | Trim/Lever | Hand | Finish | Door Width | Opening Height | AFF |
|---------|----------|------|-----------|-----------|-------------------------|-----------------------|------------|------|--------|------------|----------------|-----|
| DG1 | 56-SN200 | 87 | 10 | F | BIPS | 0E | FLL | RHR | 32D | 36" | 84" | 41" |

* Available with the following mechanical options: 12, 16, HK, 19, 43, 76, 85, 86, 87, CPC, SG. See page 35 for detailed descriptions. See pages 36-37 for cylinder options

** SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier. SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

***Please contact your local Door Security Solutions sales representative for FIPS and FIKPS availability.

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Electric Latch Retraction Option (56-)

SN Series



SN Series 56- Exit Device Functions

| |  8900 Mortise Exit Devices | | | |  8800 Rim Exit Devices | | | |  8700 Surface Vertical Rod Exit Devices | | | |  8600 Concealed Vertical Rod Exit Devices ¹ | | | | |
|------------|--|----------|-----------|-------------------|--|----------|-----------|-------------------|--|----------|-----------|-------------------|--|----------------|-----------|-------------------|------------------|
| | Type | Function | Rail Size | Trim/Lever | Type | Function | Rail Size | Trim/Lever | Type | Function | Rail Size | Trim/Lever | Type ¹ | Function | Rail Size | Trim/Lever | |
| ET Control | | | | | | | | | | | | | | | | | |
| With: | Night Latch (Key retracts latch) | 89 | 04 | See chart page 13 | ET x Lever | 88 | 04 | See chart page 13 | ET x Lever | - | - | - | - | - | - | - | |
| | Night Latch (Key/lever retracts latch) | 89 | 06 | See chart page 13 | ET x Lever | 88 | 06 | See chart page 13 | ET x Lever | 87 | 06 | See chart page 13 | ET x Lever | AD86/MD86/WD86 | 06 | See chart page 13 | ET x Lever |
| | Dummy ET Trim (No cylinder override) | 89 | 10 | See chart page 13 | ET x Lever | 88 | 10 | See chart page 13 | ET x Lever | 87 | 10 | See chart page 13 | ET x Lever | AD86/MD86/WD86 | 10 | See chart page 13 | ET x Lever |
| | Entrance (Key locks/unlocks lever) | 89 | 13 | See chart page 13 | ET x Lever | 88 | 13 | See chart page 13 | ET x Lever | 87 | 13 | See chart page 13 | ET x Lever | AD86/MD86/WD86 | 13 | See chart page 13 | ET x Lever |
| | Auxiliary Control for Cylinder Override with Dummy ET Trim | - | - | - | - | - | - | - | - | 87 | 10 | See chart page 13 | ET x Lever x 306 | AD86/MD86/WD86 | 10 | See chart page 13 | ET x Lever x 106 |

| | Type | Function | Rail Size | Trim | Type | Function | Rail Size | Trim | Type | Function | Rail Size | Trim | Type ¹ | Function | Rail Size | Trim | |
|-------|--|----------|-----------|-------------------|------------|----------|-----------|-------------------|------------|----------|-----------|-------------------|-------------------|-----------------|-----------|-------------------|------------------|
| | Freewheeling ET Control | | | | | | | | | | | | | | | | |
| With: | Night Latch (Key Retracts Latch) | 89 | 44 | See chart page 13 | ET x Lever | 88 | 44 | See chart page 13 | ET x Lever | - | - | - | - | - | - | - | |
| | Night Latch (Key/lever retracts latch) | 89 | 46 | See chart page 13 | ET x Lever | 88 | 46 | See chart page 13 | ET x Lever | 87 | 46 | See chart page 13 | ET x Lever | AD86/MD86/WD86/ | 46 | See chart page 13 | ET x Lever |
| | Dummy ET Trim (No cylinder override) | 89 | 40 | See chart page 13 | ET x Lever | 88 | 40 | See chart page 13 | ET x Lever | 87 | 40 | See chart page 13 | ET x Lever | AD86/MD86/WD86/ | 40 | See chart page 13 | ET x Lever |
| | Entrance (Key locks/unlocks lever) | 89 | 43 | See chart page 13 | ET x Lever | 88 | 43 | See chart page 13 | ET x Lever | 87 | 43 | See chart page 13 | ET x Lever | AD86/MD86/WD86/ | 43 | See chart page 13 | ET x Lever |
| | Auxiliary Control for Cylinder Override with Dummy ET Trim | - | - | - | - | - | - | - | - | 87 | 40 | See chart page 13 | ET x Lever x 306 | AD86/MD86/WD86/ | 40 | See chart page 13 | ET x Lever x 106 |

| | Type | Function | Rail Size | Trim | Type | Function | Rail Size | Trim | Type | Function | Rail Size | Trim | Type ¹ | Function | Rail Size | Trim | |
|-------|--|----------|-----------|-------------------|-------------------------|----------|-----------|-------------------|--|----------|-----------|-------------------|--|----------------|-----------|-------------------|----------------------------|
| | Pull Trim | | | | | | | | | | | | | | | | |
| With: | Night Latch (Key retracts latch) | 89 | 04 | See chart page 13 | FLL, FLW, MAL, PTB, STS | 88 | 04 | See chart page 13 | FSL, FSW, MSL, PSB, STS, 862, 863, 864 | - | - | - | - | - | - | - | |
| | Dummy Pull (No Cylinder Override) | 89 | 10 | See chart page 13 | FLL, FLW, MAL, PTB, STS | 88 | 10 | See chart page 13 | FLL, FLW, MAL, PTB, STS, 862, 863, 864 | 87 | 10 | See chart page 13 | FLL, FLW, MAL, PTB, STS, 862, 863, 864 | AD86/MD86/WD86 | 10 | See chart page 13 | 862, 863, 864 |
| | Auxiliary Control for Cylinder Override with 862 Pull Trim | - | - | - | - | - | - | See chart page 13 | - | 87 | 10 | See chart page 13 | 306 x Pull (862, 863, 864) | AD86/MD86/WD86 | 10 | See chart page 13 | 106 x Pull (862, 863, 864) |

¹ 8600 CVR Exit Devices must be ordered as AD for aluminum doors, MD for metal doors, and WD for wood doors.

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PE80 Series Exit Devices

SN Series



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The SN Series Exit Device product selection is SARGENT's most extensive exit device access control offering including PE8800 Rim Exit Devices, PE8900 Mortise Exit Devices, PE8700 Surface Vertical Rod (SVR) Exit Devices and PE8600 Concealed Vertical Rod (CVR) Exit Devices.

Mechanical Features:

- Certified ANSI/BHMA A156.3 Grade 1
- Listed to UL 294 (Standard of Safety for Access Control System Units); Directory ALVY.BP10423*
- For 1-3/4" (44mm) door standard. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31.
- Always allows free egress
- Trim outside rigid at all times unless unlocked electronically
- Request-to-Exit (REX) Signal Switch activated by pushing rail
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, page 8)
- PE80 Series Levers are shown on page 29-32
- Features EcoFlex® technology
- Available with ADA Standard for Accessible Design and California Building Code.
- UL/ULC Listed for fire doors

Concealed Vertical Rod/Surface Vertical Rod Models Feature:

- Key override is available for MD/WD/AD-PE8600 CVR Devices (including NB-) with P106 Series Auxiliary Control
- Key override is available for PE8700 SVR Devices (including NB-) with a P306 Series Auxiliary Control
- The AFF is 39-5/8" for Standard Applications; when a P100 or P300 Series Auxiliary Control is used, 38" AFF is recommended to meet local accessibility standards





SN Series Electrical Features

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

Description of Functions: (see chart below)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override Key outside retracts latch when trim is locked electronically

SN Series Exit Device Functions

| | PE8900 Mortise Exit Devices | | | PE8800 Rim Exit Devices | | | PE8700 Surface Vertical Rod Exit Devices | | | PE8600 Concealed Vertical Rod Exit Devices | | |
|----------------------------|---|------|----------|---|------|----------|--|------|----------|---|-------------------------------|----------|
| |  | | |  | | |  | | |  | | |
| | Mortise Exit | | | Rim Exit | | | SVR Exit | | | CVR Exit† | | |
| If the lock needs to have: | Then select: | | | | | | | | | | | |
| | Series | Type | Function | Series | Type | Function | Series | Type | Function | Series | Type | Function |
| No key override | | | | | | | | | | | | |
| Fail Safe | SN200 (Wiegand) SN210 (OSDP) | PE89 | 73 | SN200 (Wiegand) SN210 (OSDP) | PE88 | 73 | SN200 (Wiegand) SN210 (OSDP) | PE87 | 73 | SN200 (Wiegand) SN210 (OSDP) | MD-PE86 WD-PE86 AD-PE86 | 73 |
| Fail Secure | SN200 (Wiegand) SN210 (OSDP) | PE89 | 74 | SN200 (Wiegand) SN210 (OSDP) | PE88 | 74 | SN200 (Wiegand) SN210 (OSDP) | PE87 | 74 | SN200 (Wiegand) SN210 (OSDP) | MD-PE86 WD-PE86 AD-PE86 | 74 |
| Key override | | | | | | | | | | | | |
| Fail Safe | SN200 (Wiegand) SN210 (OSDP) | PE89 | 75 | SN200 (Wiegand) SN210 (OSDP) | PE88 | 75 | SN200 (Wiegand) SN210 (OSDP) | - | - | SN200 (Wiegand) SN210 (OSDP) | - | - |
| Fail Secure | SN200 (Wiegand) SN210 (OSDP) | PE89 | 76 | SN200 (Wiegand) SN210 (OSDP) | PE88 | 76 | SN200 (Wiegand) SN210 (OSDP) | - | - | SN200 (Wiegand) SN210 (OSDP) | - | - |

† PE8600 CVR Exit Devices must be ordered as WD for wood doors, AD for aluminum doors, or MD for metal doors.

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PE80 Series Exit Devices

SN Series



Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader Projection is approximately 3/4"

Outside ET Lever Control

- Brass escutcheon
- Projection 13/16" (21mm)

Credential Modifier

- 03 UL294 Compliant, tamper wire connected BIS/BIKS/BIPS/BIKPS/FIPS/FIKPS: 200-bit output (FIPS/BIKPS)
- 0E Non-UL294 Compliant, green LED wire connected BIS, BIKS, BIPS, BIKPS only
- 04 UL294 Compliant, tamper wire connected FIPS/BIKPS: 75-bit output
- 0D UL294 Compliant, tamper wire connected FIPS/BIKPS: 128-bit output
- 0F Non-UL294 Compliant, green LED wire connected FIPS/BIKPS: 200-bit output
- 0G Non-UL294 Compliant, green LED wire connected FIPS/BIKPS: 75-bit output
- 0H Non-UL294 Compliant, green LED wire connected FIPS/BIKPS: 128-bit output

Outside Electrical Trim

- BIS HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
- BIKS HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
- BIPS HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
- BIKPS HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
- FIPS*** PIV compatible
- FIKPS*** PIV compatible with Keypad

Ordering SN Series Exit Devices

| Options | Series | Type | Function | Rail Size | Motor** | Outside Electrical Trim | Credential Modifier* | Trim/Lever | Hand | Finish | Door Width | Opening Height | AFF |
|---------|--------|----------|----------|-----------|---------|-------------------------|----------------------|------------|------|--------|------------|----------------|-----|
| | SN200 | MDPE8674 | F | F | 12VDC | BIPS | 0E | NEL | RHR | 32D | 36" | 96" | |

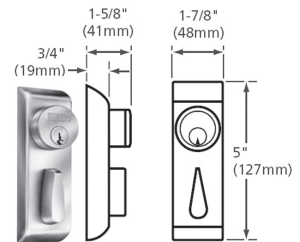
*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

** The SN Series reader is always 12VDC. Please select either 12VDC or 24VDC for the Motor.

***Please contact your local Door Security Solutions sales representative for FIPS and FIKPS availability.

Key Override for SN Series-PE8600 & SN Series-PE8700

- The P106 Series Auxiliary Control offers key override for MD/WD/AD-PE8600 and NB-MD/WD/AD-PE8600 Series Device.
- Order example:
SN200-MD-PE8674F x 12VDC x BIPS x 0E x NEL x P106 x RHR x 32D x 36" x 96"
- The P306 Series Auxiliary Control offers key override for PE8700 Series Device.



Order example:
SN210-PE8773F x 12VDC x BIPS x 03 x NEL x P306 x RHR x 32D x 36" x 84"

Rail Size

E: 26-32" F: 33-36" J: 37-42" G: 43-48"

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PE80 Series Exit Devices

SN Series



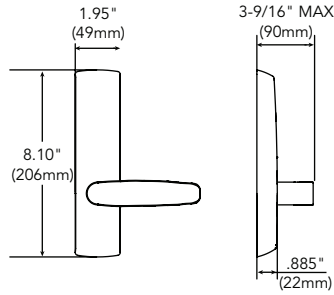
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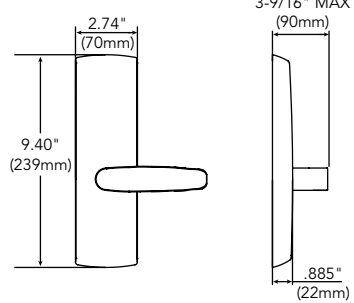
ASSA ABLOY

Outside View Lever Trim

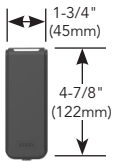
P700 NEx Lever Trim



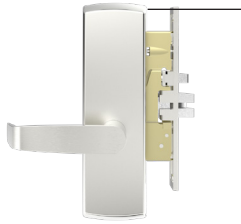
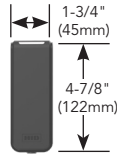
P700 WEx Lever Trim



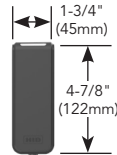
Outside View



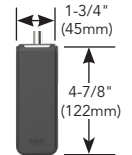
SN Series PE8800
Outside View



SN Series PE8900
Outside View



SN Series AD/MD/
WD-PE8600 Outside View



SN Series PE8700
Outside View

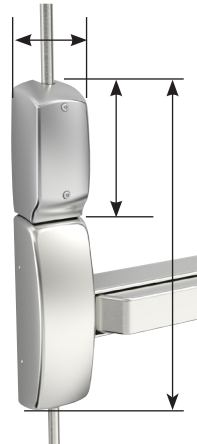
Inside View



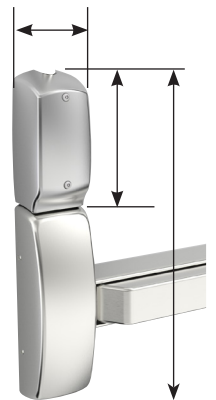
SN Series PE8800
Inside View



SN Series PE8900
Inside View



SN Series AD/MD/
WD-PE8600 Inside View



SN Series PE8700
Inside View

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PE80 Series Exit Devices

SN Series



How to specify and order Lever Trim only (without Exit Device or Reader)

Specify SN200/SN210 in the order string

- PE8800 Rim Exit Device
 - Narrow Stile: SN2xx-P773-8 NEx, SN2xx-P774-8 NEx, SN2xx-P775-8 NEx, SN2xx-P776-8 NEx
 - Wide Stile: SN2xx-P773-8 WEx, SN2xx-P774-8 WEx, SN2xx-P775-8 WEx, SN2xx-P776-8 WEx
- PE8900 Mortise Exit Device
 - Narrow Stile: SN2xx-P773 NEx, SN2xx-P774 NEx, SN2xx-P775 NEx, SN2xx-P776 NEx
 - Wide Stile: SN2xx-P773 WEx, SN2xx-P774 WEx, SN2xx-P775 WEx, SN2xx-P776 WEx
- PE8700 SVR Exit Device
 - Narrow Stile: SN2xx-P773 NEx, SN2xx-P774 NEx
 - Wide Stile: SN2xx-P773 WEx, SN2xx-P774 WEx
- PE8600 CVR Exit Device
 - Narrow Stile: SN2xx-P773-4 NEx, SN2xx-P774-4 NEx
 - Wide Stile: SN2xx-P773-4 WEx, SN2xx-P774-4 WEx

x - Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

Windstorm Information:

- SN Series (SE Series) PE8900 is UL Certification Directory ZHLL.R21744 Windstorm-Rated Assemblies
- SN Series (SE Series) WS-PE8900 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 30 for details)
- SN Series (SE Series) WS-PE8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 30 for details)
- SN Series HC-PE8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies and listed on Florida Building Code Website: FL2998-R2 (See Page 30 for details)

Cylinder Sizes & Types

Note: All mortise cylinders require a SARGENT standard offset cam (13-0664)

| SN Products | 1-3/4" Door Thickness | 1-3/4" Door Thickness with Weather Shield |
|--|-----------------------|---|
| SN200/210-PE8900 Mortise Exit | # 46 Mortise (1-3/4") | # 46 Mortise (1-3/4") |
| SN200/210-PE8800 Rim Exit | # 34 Rim | # 34 Rim |
| SN200/210-PE8700 w/P306 Control SVR Exit | # 41 Mortise (1-1/8") | # 41 Mortise (1-1/8") |
| SN200/210-PE8600 w/P106 Control CVR Exit | # 41 Mortise (1-1/8") | # 41 Mortise (1-1/8") |

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Electric Latch Retraction Option (56- PE80 Series)

SN Series



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The Electric Latch Retraction exit device option (56-) is the perfect choice for high traffic entrance and exit doors that require remote unlocking or remote dogging. It utilizes a latch retraction motor ensuring quiet operation which is ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner. The 56- allows the exit device to be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can even be dogged continuously on fire-rated devices that are tied into the building's fire detection system. Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant.



Key Features

- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56-circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 5 seconds)
- Standard electric hinge - no special power transfer required
- Wires are routed thru the rail (See page 4 for more details)
- Field serviceable -modular design
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Current draw: .65A during retraction and .2A maintained in dogged hold position
- Requires 1A at 24VDC regulated/filtered power supply
- Minimum Door Widths: - Wide Stile Door 28" - Narrow Stile Door 28"
- Includes ASSA ABLOY's ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening
- See McKINNEY's Transfer Device Solutions Catalog for QC Hing
- Order as a 56- option (e.g., 56-SN200-PE8913F x NEMF x 32D x 36")

Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

Accessories

Required

- 3520 24VDC 1 AMP Power Supply
- 3521 12VDC 1 AMP Power Supply
- Electric transfer device also required

Optional

- 881 Monitor Strike

***Please contact your local Door Security Solutions sales representative for FIPS and FIKPS availability.

Credential Modifier

- 03 Tamper wire connected BIS/BIKS/BIPS/BIKPS/FIPS/ FIKPS: 200-bit output (FIPS/FIKPS)
- 0E Green LED wire connected BIS, BIKS, BIPS, BIKPS only
- 04 Tamper wire connected FIPS/FIKPS: 75-bit output
- 0D Tamper wire connected FIPS/FIKPS: 128-bit output
- 0F Green LED wire connected FIPS/FIKPS: 200-bit output
- 0G Green LED wire connected FIPS/FIKPS: 75-bit output
- 0H Green LED wire connected FIPS/FIKPS: 128-bit output

Outside Electrical Trim

- BIS HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
- BIKS HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
- BIPS HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
- BIKPS HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
- FIPS*** PIV compatible
- FIKPS*** PIV compatible with Keypad

Electric Latch Retraction Option (56-PE80 Series)

SN Series



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Ordering SN Series PE80 Exit Device with Electric Latch Retraction







| Options* | Series | Type | Function | Rail Size | Outside Electrical Trim | Credential Modifier** | Trim/Lever | Hand | Finish | Door Width | Opening Height | AFF |
|----------|----------|------|----------|-----------|-------------------------|-----------------------|------------|------|--------|------------|----------------|---------|
| Example: | 56-SN200 | PE87 | 10 | F | BIPS | 0E | FLL | RHR | 32D | 36" | 84" | 39-5/8" |

* Available with the following mechanical options: 12, 16, HK, OL, 76, 85, 86, 87, CPC, SG, 18-. See page 35 for detailed descriptions. See pages 36-37 for cylinder options

** SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier, SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

| Function Description and Cylinder Information | SARGENT Function # | ANSI Function # |
|--|--------------------|-----------------|
| Night latch, key retracts latch #34 cylinder for PE8800 #46 mortise cylinder for PE8900 with P700 lever trim #41 cylinder for PE8900 with FLL, FLW, PTB, MAL, STS | 04/44 | 03 |
| Key unlocks trim, trim retracts latch/trim relocks when key is removed, #41 cylinder supplied | 06/46 | 09 |
| No outside operation (no cylinder), Lever Trim is used as pull only | 10/40 | 02 |
| Key unlocks/locks trim, #41 cylinder supplied | 13/43 | 08 |
| Key unlocks turn, turn retracts latch #41 Cylinder for PE8700 w/P306 Control SVR exit | 06 | 12 |
| Key unlocks turn, turn retracts latch #41 Cylinder for PE8600 w/P106 Control SVR exit | | |

Pull Trim Options

| SARGENT Function Number | ANSI Function Numbers | Description Cylinder Info. (1-3/4" Door) |  |  |  |  |  |  |
|-------------------------|-----------------------|--|---|---|---|---|---|--|
| 04 | 03 | Night Latch (key retracts latch) | FLL/FSL | FLW/FSW | MAL/MSL | PTB/PSB | STS | 862/863/ 864 |
| 10 | 02 | Pull Only (no O/S operation) | FLL | FLW | MAL | PTB | STS | 862/863/ 864 |

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Electric Latch Retraction Option (56-PE80 Series)

SN Series



SN Series 56-PE80 Exit Device Functions

| If the trim needs to be: | PE8900 Mortise Exit Devices | | | | PE8800 Rim Exit Devices | | | | PE8700 Surface Vertical Rod Exit Devices | | | | PE8600 Concealed Vertical Rod Exit Devices | | | |
|---|-----------------------------|----------|---------------|------------|-------------------------|----------|---------------|------------|--|----------|---------------|------------|--|----------|---------------|------------|
| | Type | Function | Rail Size | Trim/Lever | Type | Function | Rail Size | Trim/Lever | Type | Function | Rail Size | Trim/Lever | Type ¹ | Function | Rail Size | Trim/Lever |
| Lever Trim | | | | | | | | | | | | | | | | |
| Night Latch (Key retracts latch) | PE89 | 04 | E, F, G, or J | NEx or WEx | PE88 | 04 | E, F, G, or J | NEx or WEx | - | - | - | - | - | - | - | - |
| Night Latch (Key/lever retracts latch) | PE89 | 06 | E, F, G, or J | NEx or WEx | PE88 | 06 | E, F, G, or J | NEx or WEx | PE87 | 06 | E, F, G, or J | NEx or WEx | AD-PE86/ MD-PE86/ WD-PE86 | 06 | E, F, G, or J | NEx or WEx |
| Dummy Lever Trim (No cylinder override) | PE89 | 10 | E, F, G, or J | NEx or WEx | PE88 | 10 | E, F, G, or J | NEx or WEx | PE87 | 10 | E, F, G, or J | NEx or WEx | AD-PE86/ MD-PE86/ WD-PE86 | 10 | E, F, G, or J | NEx or WEx |
| Entrance (Key locks/unlocks lever) | PE89 | 13 | E, F, G, or J | NEx or WEx | PE88 | 13 | E, F, G, or J | NEx or WEx | PE87 | 13 | E, F, G, or J | NEx or WEx | AD-PE86/ MD-PE86/ WD-PE86 | 13 | E, F, G, or J | NEx or WEx |
| Auxiliary Control for Cylinder Override with Dummy Lever Trim | - | - | - | - | - | - | - | - | PE87 | 10 | E, F, G, or J | NEx or WEx | AD-PE86/ MD-PE86/ WD-PE86 | 10 | E, F, G, or J | NEx or WEx |

| If the trim needs to be: | Type | Function | Rail Size | Trim | Type | Function | Rail Size | Trim | Type | Function | Rail Size | Trim | Type ¹ | Function | Rail Size | Trim |
|---|-------------------------|----------|---------------|------------|------|----------|---------------|------------|------|----------|---------------|------------|---------------------------------|----------|---------------|------------|
| | Freewheeling Lever Trim | | | | | | | | | | | | | | | |
| Night Latch (Key Retracts Latch) | PE89 | 44 | E, F, G, or J | NEx or WEx | PE88 | 44 | E, F, G, or J | NEx or WEx | - | - | - | - | - | - | - | - |
| Night Latch (Key/lever retracts latch) | PE89 | 46 | E, F, G, or J | NEx or WEx | PE88 | 46 | E, F, G, or J | NEx or WEx | PE87 | 46 | E, F, G, or J | NEx or WEx | AD-PE86/ MD-PE86/ WD-PE86 | 46 | E, F, G, or J | NEx or WEx |
| Dummy Lever Trim (No cylinder override) | PE89 | 40 | E, F, G, or J | NEx or WEx | PE88 | 40 | E, F, G, or J | NEx or WEx | PE87 | 40 | E, F, G, or J | NEx or WEx | AD-PE86/ MD-PE86/ WD-PE86 | 40 | E, F, G, or J | NEx or WEx |
| Entrance (Key locks/unlocks lever) | PE89 | 43 | E, F, G, or J | NEx or WEx | PE88 | 43 | E, F, G, or J | NEx or WEx | PE87 | 43 | E, F, G, or J | NEx or WEx | AD-PE86/ MD-PE86/ WD-PE86 | 43 | E, F, G, or J | NEx or WEx |
| Auxiliary Control for Cylinder Override with Dummy Lever Trim | - | - | - | - | - | - | - | - | PE87 | 40 | E, F, G, or J | NEx or WEx | AD-PE86/ MD-PE86/ WD-PE86 | 40 | E, F, G, or J | NEx or WEx |

| If the trim needs to be: | Type | Function | Rail Size | Trim | Type | Function | Rail Size | Trim | Type | Function | Rail Size | Trim | Type ¹ | Function | Rail Size | Trim |
|--|-----------|----------|---------------|-------------------------|------|----------|---------------|--|------|----------|---------------|--|---------------------------------|----------|---------------|-----------------------------|
| | Pull Trim | | | | | | | | | | | | | | | |
| Night Latch (Key retracts latch) | PE89 | 04 | E, F, G, or J | FLL, FLW, MAL, PTB, STS | PE88 | 04 | E, F, G, or J | FSL, FSW, MSL, PSB, STS, 862, 863, 864 | - | - | - | - | - | - | - | - |
| Dummy Pull (No Cylinder Override) | PE89 | 10 | E, F, G, or J | FLL, FLW, MAL, PTB, STS | PE88 | 10 | E, F, G, or J | FLL, FLW, MAL, PTB, STS, 862, 863, 864 | PE87 | 10 | E, F, G, or J | FLL, FLW, MAL, PTB, STS, 862, 863, 864 | AD-PE86/ MD-PE86/ WD-PE86 | 10 | E, F, G, or J | 862, 863, 864 |
| Auxiliary Control for Cylinder Override with 862 Pull Trim | - | - | - | - | - | - | E, F, G, or J | - | PE87 | 10 | E, F, G, or J | P306 x Pull (862, 863, 864) | AD-PE86/ MD-PE86/ WD-PE86 | 10 | E, F, G, or J | P106 x Pull (862, 863, 864) |

¹ PE8600 CVR Exit Devices must be ordered as AD for aluminum doors, MD for metal doors, and WD for wood doors.

7000 Series Multi-Point Vertical Rod

SN Series



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The 7000 Series multi-point vertical rod provides flexibility, simplicity, strength, and durability by eliminating the need for automatic flushbolts and coordinators while maintaining the aesthetic appeal of the SN Series Integrated Wired locks. It is ideal for a wide variety of applications where exit devices are not required, including conference rooms, commercial office buildings, convention centers, upscale condominiums and residential applications, medical and educational institutions.

7000 Series Vertical Rod locks are available for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. The single point device is specified with the NB- option. Rods are retracted by dual mounted controls with a variety of functions available on the outside trim.

The SN Series 7000 Series product is available with two options for UL294 compliance and reader LED indicator configuration:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
 - LED displays red in locked and unlocked state
 - Listed to UL294 (Access Control System Units)
2. Bluetooth Smart, Non-UL294 Compliant, green LED wire connected:
 - LED displays red in locked state and green in unlocked state
 - Provides easy visual indication of lock status
 - Product is NOT compliant to UL294 (Access Control System Units)

Features

- Designed for aluminum, metal, and wood door applications with 2-1/4" backset
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-WD7000 and 12-NB-WD7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Supports single or double door applications
- Features EcoFlex® technology
- UL Fire Listed: 12-WD7000 / 12-NB-WD7000 (12-NB- is for double door applications only)



Specifications

Doors:

- Aluminum: 1-3/4" (44mm) door thickness standard, 1-7/8" minimum stile, 7/8" backset standard for double doors, 1-1/8" backset for single doors
- Metal: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard
- Wood: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard

Mounting:

- Fasteners are supplied for appropriate door type (aluminum, metal, wood) with through-bolts for trim

Hand:

- Field reversible, specify RHR, LHR, RH or LH

Top and Bottom Bolts:

- Stainless steel. Top and bottom bolts travel 7/16" (11mm). Projection adjustable up to 1" (25mm)

Latching:

- Top and bottom (7000, 12-7000) or Top only (NB-7000, 12-NB-7000)

Strikes:

- 650 Top Strike, 606 Bottom Strike, standard

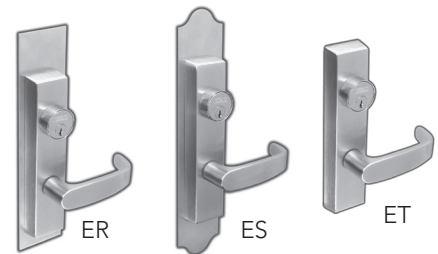
Cylinder:

- #41 Mortise Cylinder

Trim Options

ER and ES controls are ET controls with back plates.

- **Back plates:**
 - Mounted between the trim and the door
 - Required for wood doors (WD-)
 - Optional for metal doors
 - May be used to cover existing door preps



How to specify and order ET Trim without a vertical rod:

For 7000 Series multi-point vertical rods:
SN200/210-706-2-ER/ES/ET*,
SN200/210-713-2-ER/ES/ET*,
SN200/210-715-2-ER/ES/ET*

*Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

Key Override/Auxiliary Control

100 Series Auxiliary Control offers key override for SN Series 7000 Series.

- Available functions are 06 & 13
- Supplied with a SARGENT #41 mortise cylinder

To order, add 106 or 113 to the order string after the hand designation.

Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

7000 Series Multi-Point Vertical Rod

SN Series



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7000 Multi-Point Vertical Rods

| | | Series | Type ¹ | Outside Function | Inside Function |
|-------|---|---------------------------------|-------------------|------------------|-----------------|
| With: | Fail Safe, Night Latch (Key/lever retracts latch) | SN200 (Wiegand) SN210 (OSDP) | 70/AD70/WD70* | 73 | 06 |
| | Fail Safe, Entrance (Key locks/unlocks lever) | SN200 (Wiegand) SN210 (OSDP) | 70/AD70/WD70* | 73 | 13 |
| | Fail Safe, Passage Only (No cylinder) | SN200 (Wiegand) SN210 (OSDP) | 70/AD70/WD70* | 73 | 15 |
| | Fail Secure, Night Latch (Key/lever retracts latch) | SN200 (Wiegand) SN210 (OSDP) | 70/AD70/WD70* | 74 | 06 |
| | Fail Secure, Entrance (Key locks/unlocks lever) | SN200 (Wiegand) SN210 (OSDP) | 70/AD70/WD70* | 74 | 13 |
| | Fail Secure, Passage Only (No cylinder) | SN200 (Wiegand) SN210 (OSDP) | 70/AD70/WD70* | 74 | 15 |

¹ Specify 70 for metal doors, AD70 for aluminum doors, or WD70 for wood doors.

* WD7000 Series is only available with ER and ES trim.

Options

Select options from pages 35-37

Type/Function

Select from 7000 Series Function Chart above

Outside Electrical Trim

| | |
|----------|---|
| BIS | HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported |
| BIKS | HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported |
| BIPS | HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported |
| BIKPS | HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported |
| FIPS*** | PIV compatible |
| FIKPS*** | PIV compatible with Keypad |

Trim/Levers/Finish

ER/ES/ET followed by lever designation from pages 29-32 and finish from page 30

Credential Modifier

| | |
|----|---|
| 03 | UL294 Compliant, tamper wire connected FIPS/FIKPS: 200-bit output |
| 0E | Non-UL294 Compliant, green LED wire connected BIS, BIKS, BIPS, BIKPS only |
| 04 | UL294 Compliant, tamper wire connected FIPS/FIKPS: 75-bit output |
| 0D | UL294 Compliant, tamper wire connected FIPS/FIKPS: 128-bit output |
| 0F | Non-UL294 Compliant, green LED wire connected FIPS/FIKPS: 200-bit output |
| 0G | Non-UL294 Compliant, green LED wire connected FIPS/FIKPS: 75-bit output |
| 0H | Non-UL294 Compliant, green LED wire connected FIPS/FIKPS: 128-bit output |

Opening Height

Required for Vertical Rod Exit Devices

AFF

Center Line of Rail above Finished Floor (41" std)

Ordering SN Series 7000 Series Vertical Rod Locks

| Options | Series | Type | Function | Motor** | Outside Electrical Trim | Credential Modifier* | Trim/Lever | Hand | Aux Control (optional) | Finish | Opening Height | AFF |
|---------|--------|------|----------|---------|-------------------------|----------------------|------------|------|------------------------|--------|----------------|---------|
| DG1 | SN200 | 70 | 7306 | 12V | BIPS | 0E | ETL | RH | 106 | 26D | 84" | 35-7/8" |

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

** The SN Series reader is always 12VDC. Please select either 12VDC or 24VDC for the Motor.

***Please contact your local Door Security Solutions sales representative for FIPS and FIKPS availability.

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7000 Series Multi-Point Vertical Rod

SN Series



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Electric Latch Retraction Option (ELR)

SARGENT's Electric Latch Retraction (ELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner. Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant.

The ELR- can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.

The SN 7000 Exit Device product is available with two options for reader LED indicator configuration:

1. Bluetooth Smart, tamper wire connected:
 - LED displays red in locked and unlocked state
2. Bluetooth Smart, green LED wire connected:
 - LED displays red in locked state and green in unlocked state
 - Provides easy visual indication of lock status

Electric Latch Retraction Features

- 5 year warranty
- Patent pending and/or patent
- www.assaabloydss.com/patents
- Field serviceable -modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the ELR- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Current draw:
 - SN Series Reader:
 - 12VDC (200 mA)
 - ELR 7000 Series Vertical Rod Lock:
 - 12VDC (850 mA during retraction, 250 mA maintained)
- Power Requirements: 12VDC regulated/filtered power supply (3500 Series)
- Available for 7000 series only
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements

Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

Optional Accessories

- 3500 Series Power Supply
- 4370 Keyswitch
- 3287 Door Status Switch

7000 Series Multi-Point Vertical Rod

SN Series



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7000 Series Multi-Point Vertical Rods with Electric Latch Retraction (ELR)

| | Function Descriptions | Outside Functions Available | Inside Functions Available |
|----|---|-----------------------------|----------------------------|
| 01 | Blank escutcheon plate | • | |
| 06 | Key unlocks trim; trim retracts latch; trim relocks when key is removed | • | • |
| 10 | No outside operation (no cylinder); pull only | • | |
| 13 | Classroom key unlocks/locks trim; #41 cylinder supplied | • | • |
| 15 | Passage only (no cylinder) | | • |
| 16 | Key unlocks/locks trim | • | • |
| 40 | Freewheeling trim; no outside operation | • | |
| 43 | Freewheeling trim; key unlocks/locks trim | • | • |
| 46 | Freewheeling trim; key unlocks trim; trim retracts latch/trim relocks when key is removed | • | • |

Options

Select options from pages 35-37

ELR

Specify ELR option

Type

70 (metal doors)
AD70 (aluminum doors)
WD70 (wood doors)

Outside/Inside Functions

Select from chart above

Outside Electrical Trim

BIS HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
 BIKS HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
 BIPS HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
 BIKPS HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
 FIPS* PIV compatible
 FIKPS* PIV compatible with Keypad

Credential Modifier

03 Tamper wire connected FIPS/FIKPS: 200-bit output
 0E Green LED wire connected BIS, BIKS, BIPS, BIKPS only
 04 Tamper wire connected FIPS/FIKPS: 75-bit output
 0D Tamper wire connected FIPS/FIKPS: 128-bit output
 0F Green LED wire connected FIPS/FIKPS: 200-bit output
 0G Green LED wire connected FIPS/FIKPS: 75-bit output
 0H Green LED wire connected FIPS/FIKPS: 128-bit output

Trim/Levers/Finish

ER/ES/ET followed by lever designation from pages 29-32 and finish from page 30

Opening Height

Required for Vertical Rod Exit Devices

AFF

Center Line of Rail above Finished Floor (35-7/8" std)

Ordering SN Series 7000 Series Vertical Rod Locks with Electric Latch Retraction (ELR)

| Options | ELR | Series | Type | Outside Function | Inside Function | Outside Electrical Trim | Credential Modifier | Trim/Lever | Hand | Finish | Opening Height | AFF |
|---------|-----|--------|------|------------------|-----------------|-------------------------|---------------------|------------|------|--------|----------------|---------|
| DG1 | ELR | SN200 | 70 | 06 | 43 | BIPS | 0E | ETL | RH | 26D | 84" | 35-7/8" |

*Please contact your local Door Security Solutions sales representative for FIPS and FIKPS availability.

FM7300 Series Multi-Point Locks

SN Series



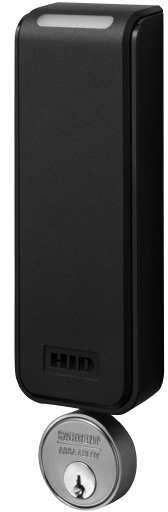
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The SN Series FM7300 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FM7300 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FM7300 Series device can be used on fire-rated doors.

The SN Series FM7300 Multi-Point Series is available with two options for UL294 compliance and reader LED indicator configuration:

1. Bluetooth Smart, UL294 Compliant, tamper wire connected:
 - LED displays red in locked and unlocked state
 - Listed to UL294 (Access Control System Units)
2. Bluetooth Smart, Non-UL294 Compliant, green LED wire connected:
 - LED displays red in locked state and green in unlocked state
 - Provides easy visual indication of lock status
 - Product is NOT compliant to UL294 (Access Control System Units)



Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – FM7300 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- 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
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- Features EcoFlex® technology
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent FM7300 Series catalog

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Electrical Features

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock 12-24VDC
- Reader always 12VDC

FM7300 Series Multi-Point Locks

SN Series



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Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

| | |
|--------------------|---|
| Mounting | Supplied fasteners are for metal doors with through-bolts for trim |
| Hand | Handed; specify RHR, LHR, RH or LH |
| Top bolt | Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate |
| Bottom bolt | Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate |
| Center bolts | Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection |
| Lock front | 1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener |
| Center bolt strike | 1/4" thick stainless steel |
| Backset | 2-3/4" standard |
| Door thickness | 1-3/4" standard |
| Door height | 7'0" - 8'0" |
| Maximum opening | Single door 4'0" x 8'0" and double doors 8'0" x 8'0" |

SN Series Multi-Point Lock Functions

All SN Series Multi-Point Lock Functions feature:

- Trim outside rigid except when valid credential presented
- Trim inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Door Position monitoring

Description of Functions: (see chart at right)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- No key override with deadbolt: Deadbolt projected and retracted by thumbturn or key
- Key Override with deadbolt: Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically
- Top and bottom rods retracted by lever
- Deadbolt projected and retracted by thumbturn or key

SN Series Multi-Point Lock Functions

| | Then select: | | |
|-------------------------------|----------------|------|----------|
| | Series | Type | Function |
| No key override with deadbolt | | | |
| Fail Safe | SN200 or SN210 | FM73 | 284 |
| Fail Secure | SN200 or SN210 | FM73 | 285 |
| Key override with deadbolt | | | |
| Fail Safe | SN200 or SN210 | FM73 | 280 |
| Fail Secure | SN200 or SN210 | FM73 | 281 |

FM7300 Series Multi-Point Locks

SN Series



High Security Monitoring Options

- Internal End-of-Line Monitoring**

Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

Select a compatible resistor configuration and add the appropriate prefix to your order string:

- R01: Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
- R03: Software House compatible 1KΩ/2KΩ resistance supervision
- R04: AMAG compatible 4-state supervision

- Deadbolt Privacy Function (PHR-)**

- Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
- Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower area.
- To order, add the PHR- prefix to your order string (available only with deadbolt)

- Integrated Door Position Switch (IDP-)**

- The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
- This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
- To order, add the IDP- prefix to your order string

Options

Select options from pages 35-37

Type/Function

Select from SN Series Mortise Lock Function chart above

Outside Electrical Trim

- BIS HID Mobile Access® Ready and Bluetooth Smart capable; High Frequency credentials ONLY supported
- BIKS HID Mobile Access® Ready and Bluetooth Smart capable with keypad; High Frequency credentials ONLY supported
- BIPS HID Mobile Access® Ready and Bluetooth Smart capable; High and Low Frequency credentials supported
- BIKPS HID Mobile Access® Ready and Bluetooth Smart with keypad; High and Low Frequency credentials supported
- FIPS*** PIV compatible
- FIKPS*** PIV compatible with Keypad

Credential Modifier

- 03 UL294 Compliant, tamper wire connected FIPS/FIKPS: 200-bit output
- 0E Non-UL294 Compliant, green LED wire connected BIS, BIKS, BIPS, BIKPS only
- 04 UL294 Compliant, tamper wire connected FIPS/FIKPS: 75-bit output
- 0D UL294 Compliant, tamper wire connected FIPS/FIKPS: 128-bit output
- 0F Non-UL294 Compliant, green LED wire connected FIPS/FIKPS: 200-bit output
- 0G Non-UL294 Compliant, green LED wire connected FIPS/FIKPS: 75-bit output
- 0H Non-UL294 Compliant, green LED wire connected FIPS/FIKPS: 128-bit output

Roses/Levers/Finish

Select rose, lever and finish from pages 29-32

Ordering SN Series Multi-Point Locks (Simpli™ roseless trim is specified by R82 for lock type and an R for the rose designation)

| Options | Series | Type | Function | Lock Voltage** | Outside Electrical Trim | Credential Modifier* | Rose | Levers | Finish | Hand |
|-------------|--------|------|----------|----------------|-------------------------|----------------------|------|--------|--------|------|
| R01-IDP | SN200 | | FM73284 | 12V | BIPS | 0E | R | MX | 03 | RH |
| R04-PHR-IDP | SN200 | | FM73285 | 24V | BIKPS | 0E | LN | MD | 26D | RHR |

*SN210 BIS, BIKS, BIPS and BIKPS only available with 0E credential modifier; SN210 FIPS and FIKPS only available with 03 or 0D credential modifier.

**With SN Series, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage.

***Please contact your local Door Security Solutions representative for FIPS and FIKPS availability.

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Roseless Trim, Standard & Coastal Series Levers & Finishes








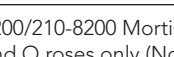
SN Series







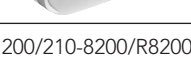
SN Series products are available with the following lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. SN Series Mortise locks are specified by rose design followed by the lever designation (e.g., TRMZ). SN Series Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMZ).

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

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 |
| L |  | - | X | X | X |
| P |  | - | X | X | X |
| W |  | - | X | | X |

Note: SN200/210-8200 Mortise Locks with Standard Levers are available with LN and O roses only (Not available with CO, CR, TO, TR roses and roseless)

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

Note: SN200/210-8200/R8200 Mortise Locks with Coastal Series Levers are available with CR & TR roses and roseless trim** (Not available with LN, O, CO & TO roses).

** Except C Lever

Roseless Trim, Standard & Coastal Series Levers & Finishes

SN Series



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Finishes

SARGENT offers many different finishes for SN Series products. Please reference the chart below to determine if your product is available in a particular finish.

| | 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 rubbed | 613 | X | X | X |
| 10BE | Dark oxidized satin bronze — equivalent | 613E | 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 |
| BSP | Black suede powder coat | – | X | X | X |
| WSP | White suede powder coat | – | X | X | X |

‡ ET Trim will be supplied with the requested finish, the Exit Devices will be supplied in 32 or 32D accordingly

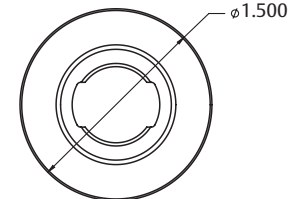
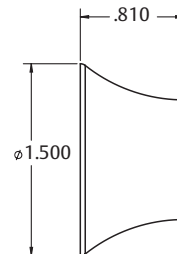
∞ Only available with exit devices, the external trim will be supplied in 26 or 26D accordingly

Simpli™ Roseless Trim

This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative levers, Simpli™ creates a flawless aesthetic vision on any door opening.

Simpli™ is offered on the SN Series R8200 Series mortise lock, which was specially designed to accept the roseless trim. In addition to the SN Series R8200 Series, Simpli™ is also available with the RDL Series tubular locks and R8200 Series mortise locks.

- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- SN Series R8200 Series with Simpli™ trim is available with most 8200 functions
- Simpli™ roseless trim is available with Coastal Series (except C) and Studio Collection levers (except ML, MN, MP, MT and Gramercy levers)
- Selected levers return within ½" of the door face
- Simpli™ roseless trim is not compatible with the SN Series 8200 lockbody; can only be used with R8200 locks
- All standard cylinder options are available
- For UL 294 requirements, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE



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Experience a safer and more open world

Studio Collection Levers and ET Trims

SN Series



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Studio Collection Levers are available with roses with the 8200 or roseless with the R8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility. Cylindrical locks also offer limited Studio Collection Levers.

| Aventura Series | | | | | |
|-------------------|--------|--------|---------------|------|--------------|
| Lever | Design | Handed | Mortise Locks | Cyl. | Exit Devices |
| MB | | - | X | X | X |
| ME | | - | X | | X |
| MF | | - | X | | X |
| NF ¹ | | - | X | | X |
| MG | | - | X | | X |
| MI | | - | X | | X |
| NI ¹ | | - | X | | X |
| MW ¹ | | - | X | X | X |
| Odeon Series | | | | | |
| MN ^{2,4} | | Yes | X | | X |
| MH ⁴ | | Yes | X | | X |
| MS ⁴ | | Yes | X | | X |
| MU ⁴ | | Yes | X | | X |
| MV ⁴ | | Yes | X | | X |
| NU ^{1,4} | | Yes | X | | X |
| WG | | Yes | X | | X |

- Lever returns within 1/2" (13mm) of door face
- Not available with roseless trim
- Gramercy levers are customized. Refer to page 32 for ordering information.
- Not available in 32D or 32 finish

| Notting Hill Series | | | | | |
|---------------------|--------|--------|---------------|------|--------------|
| Lever | Design | Handed | Mortise Locks | Cyl. | Exit Devices |
| MQ ⁴ | | Yes | X | | X |
| MM ⁴ | | Yes | X | | X |
| Rialto Series | | | | | |
| MO ⁴ | | Yes | X | | X |
| MZ ^{1,4} | | Yes | X | | X |
| GT | | Yes | X | | X |

| Centro Levers | | | | | |
|-------------------|--------|--------|---------------|------|--------------|
| Lever | Design | Handed | Mortise Locks | Cyl. | Exit Devices |
| MD | | - | X | X | X |
| MJ | | - | X | | X |
| MP ^{2,4} | | - | X | | X |
| ND ¹ | | - | X | X | X |
| NJ ¹ | | - | X | | X |

| Gramercy Levers ³ | | | | | |
|------------------------------|--------|--------|---------------|------|--------------|
| Lever | Design | Handed | Mortise Locks | Cyl. | Exit Devices |
| RCM ² | | - | - | | X |
| RAL ² | | - | - | | X |
| REM ² | | - | - | | X |
| RAM ² | | - | - | | X |
| RAS ² | | - | - | | X |
| RAG ² | | - | - | | X |
| RGM ² | | - | - | | X |

Note: SN200/210-8200 Mortise Locks with Studio Levers are available with LN, CR, TR, O, TO & CO roses

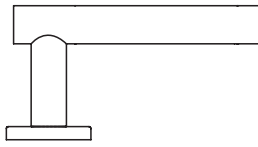
Ordering Gramercy Series Levers and Rose Designs

SN Series

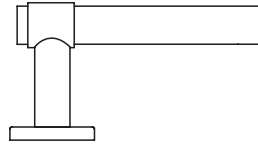


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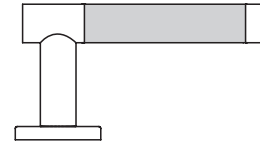
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

| BHMA Finish | SARGENT Finish | Gramercy Code* | Description |
|-------------|----------------|----------------|--|
| 630 | 32D | 30 | Satin Stainless Steel |
| 629 | 32 | 29 | Bright Stainless Steel |
| 613E | 10BE | 3E | Dark Oxidized Satin Bronze, Equivalent |
| N/A | BSP | BS | Black Suede Powder Coat |
| N/A | WSP | WS | White Suede Powder Coat |
| N/A | N/A | BH | Birch (wood insert) |
| N/A | N/A | BK | Black (Santoprene™ or leather insert) |
| N/A | N/A | BN | Brown (leather insert) |

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

| Lever Designation | Lever Description | Available Finishes (AS ORDERED) |
|-------------------|-------------------|--|
| RAG | Grooved Insert | 3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS |
| RAL | Leather Insert | 30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSNBNS or WSNBNS |
| RAM | Metallic Insert | 2930 or 3030 |
| RAS | Santoprene Insert | 30BK, 29BK, 3E3E, BSBS or WSWS |
| RCM | Raised Band | 2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS |
| REM | Plain | 2929, 3030, 3E3E, BSBS or WSWS |
| RGM | Two Grooves | 2929, 3030, 3E3E, BSBS or WSWS |

**Two-tone finish - grip of lever is 32D, balance of lever is 32.

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.

How to Order: SN Series 80 Series Exit Devices with Gramercy Levers and ET trim

| Options | Series | Type | Functions | Rail Size | Reader/Solenoid | Outside Electrical Trim | Credential Modifier | Trim | Lever | Shank Finish* | Insert Finish | Grip Finish | Hand | Inside Finish | Door Width |
|---------|--------|------|-----------|-----------|-----------------|-------------------------|---------------------|------|-------|---------------|---------------|-------------|------|---------------|------------|
| 10- | SN210 | 89 | 73 | F | 12VDC | BIPS | 0E | ET | RAL | 29 | BN | 29 | RHR | 32D | 36" |

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Accessories, ET Lever Controls for Exit Devices, and Rose Designs

SN Series



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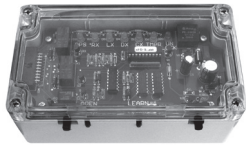
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Accessories

Wiegand Test Unit

Developed for SARGENT Harmony Series, SE LP10 and SN Series locks, the ASSA ABLOY Wiegand Test Unit verifies your installation in the field. The test unit checks for proper wiring, card reader data integrity, lock functionality including lock/unlock, door position status, and request-to-exit, or REX, status. The WT2 unit also test key press functionality on keypad locks.

| Feature | WT1 | WT2 |
|--|-----|-----|
| 12 or 24VDC lock voltage adjustable | X | X |
| Operates as Fail Safe or Fail Secure | X | X |
| "Learn" mode allows testing of specific cards without programming at the panel level | X | X |
| Card reader data integrity is validated at test unit | X | X |
| Displays detailed Wiegand data, including the hexadecimal string and total bits received | | X |
| Displays measured end-of-line resistor values (if applicable) | | X |
| Displays key press data* | | X |



Wiegand Test Unit
For directions on use, see operating instructions provided with unit. Unit works only with SN200 (Wiegand).
*WT2 unit with 1.03 firmware or later is required.

SNT1

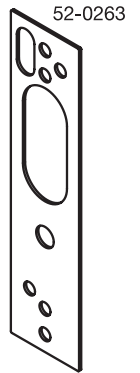
The SNT1 is an adapter harness that connects and converts OSDP lock signaling to work with a Wiegand Test Unit (WTU). The kit utilizes an integrated OSDP-to-Wiegand converter module and connects an OSDP lock to a WTU. The SNT1 is used in place of the standard Wiegand harness that is included with a new WTU and is only for use with OSDP locks.



Both WTU variants (WT1 and WT2) are supported by the SNT1 to test the operation and troubleshoot issues with OSDP type Integrated Wired lock products. The WTU connects to the lock using ElectroLynx wiring and functions as a very simple control panel.

Weather Seal Gasket

- Provides a seal between outside escutcheon and the door and inside escutcheon and the door
- Weather seal gaskets are included for outdoor use (non-fire rated exterior door applications only)



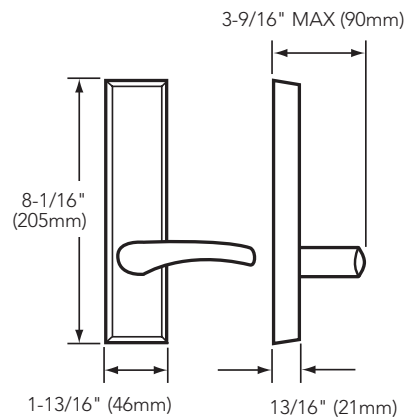
Gasket for use between the ET Trim and the door for SN Series Exit Devices

Roses

| Roses | Design | Diameter | Mortise | Cylindrical |
|-------|--------|----------|---------|-------------|
| LN | | 2" | X | |
| CR | | 2-3/16" | X | |
| TR | | 2-3/16" | X | |
| O | | 2-3/4" | X | |
| CO | | 2-3/4" | X | |
| TO | | 2-3/4" | X | |
| L | | 3-1/2" | | X |
| G | | 3-1/2" | | X |

ET Lever Controls for Exit Devices

- The 700 Series ET and Lever Control is the external trim with all SN Series 80 Series exit devices
- ET Escutcheons and levers are plated brass
- Stainless steel levers are available



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Power Supplies and 10X Line Strike Options

SN Series



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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 from the frame to the locking hardware.

Features of ElectroLynx:

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

To connect SN Series hardware to the electronic access control system, the following items are required:

- SN Series mortise or cylindrical lock, or exit device
 - ASSA ABLOY Door Group pre-wired door, or McKinney ElectroLynx retrofit cable
 - Electronic transfer hinge or pivot, or electrical power transfer with standard hinge from McKinney or SECURITRON
 - McKinney ElectroLynx cable from the hinge to above the ceiling
- 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 QC12 ElectroLynx® hinges (or McKinney 12-EL-EPTL) are recommended for SN Series applications



12VDC & 24VDC Power Supplies:



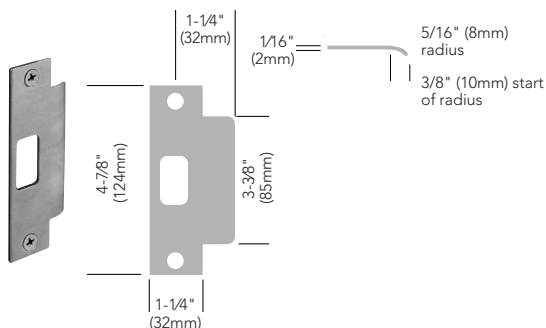
- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

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

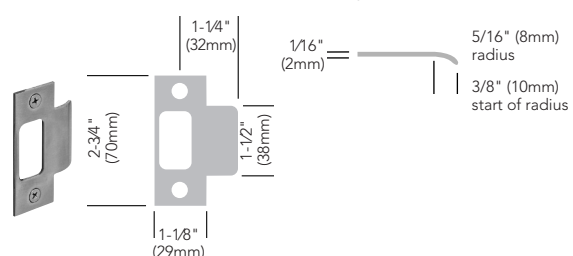
| SARGENT MODEL No. | DESCRIPTION |
|-------------------|---------------------------------|
| 3520 | 24V - 1 AMP POWER SUPPLY |
| 3540 | 24V - 2 AMP POWER SUPPLY |
| 3550 | 24V - 4 AMP POWER SUPPLY |
| 3570 | 24V - 6 AMP POWER SUPPLY |
| 738 | 24V - 5 AMP HOUR BACKUP BATTERY |

SN Series-10X Line Strikes:

4-7/8" Curved Lip Strike: Standard



2-3/4" Curved Lip Strike: To order specify 29- option



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Mechanical Options

SN Series



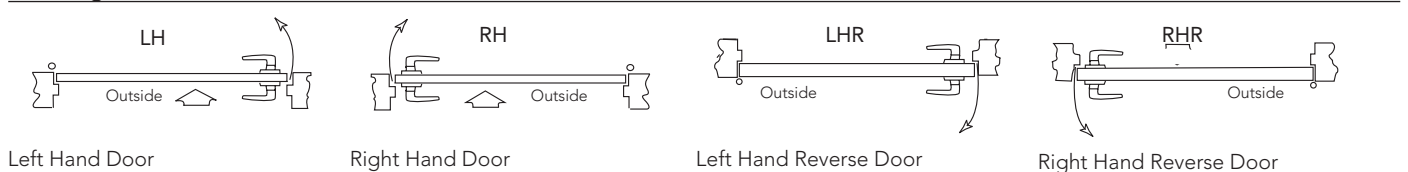
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To order options listed below, list the alpha or numerical code before the product model number

Mechanical Options:

| | | |
|-------------------------|------|--|
| Fire Rated | 12- | UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-) |
| Brass Bottom Bolt | 14- | Sliding brass bolt bottom case (non-fire rated 8700 devices only) |
| Cylinder Dogging | 16- | Cylinder lock down (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) |
| 10X Line Backsets | 23- | 3-3/4" Backset x 2-1/4" x 1-1/8" front for (10X Line only) |
| | 25- | 5" Backset x 2-1/4" x 1-1/8" front for (10X Line only) |
| Strike Options | 23- | 4-7/8" (124mm) ANSI flat lip strike (for 8900 mortise lock exit device & mortise locks only) |
| | 29- | Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only. (10X Line) |
| Security Fasteners | 36- | 6 Lobe head security screws (Torx® type) (Not available with R8200 mortise locks) |
| | 37- | Spanner head screws (Not available with Studio levers) |
| 3/4" Latch Throw | 41- | 3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10X Line only) |
| Flush End cap | 43- | Flush End Cap |
| 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) (Not available with Studio & Coastal levers) |
| | 86- | Tactile Warning - Abrasive Coating on Outside Lever (Not available with Studio & Coastal levers) |
| | 87- | Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or push rail for exits) (Not available with Studio & Coastal Levers) |
| Finish Protection | CPC- | Clear Powder Coat (Available for 26, 26D, 32 & 32D finishes) |
| | SG- | MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes) |
| Top Rod Only | NB- | Less bottom rod & bolt (for MD/WD/AD8600 CVR devices & 8700 SVR devices only) |
| SARGuide | PL- | SARGuide™ PL – Photo luminescent coated push rail – (Touchpad eliminated) (Not available 75-, 77 & TL-) |
| Through-Bolts | TB- | Through-Bolts |
| Windstorm Options | HC- | Hurricane Code (rim and surface vertical rod exit devices only, see page 38 for details) |
| | HC4- | Hurricane Code up to 150 psf (8700 surface vertical rod exit devices only, see page 38 for details) |
| | WS- | Windstorm Rated (rim & mortise lock exit devices only, see page 38 for details) |
| Outside Locked Levers | FW- | Freewheeling Locking Levers |

Handing



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Cylinder Options

SN Series



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

Cylinder Options:

| | | |
|---|--|---|
| Degree Key System | DG1- | SARGENT Degree Key System Level 1 |
| | DG1-21- | Degree Level 1 Construction Master Keying |
| | DG1-60- | Degree Level 1 Removable Disposable Construction Core |
| | DG1-63- | Degree Level 1 Removable Core |
| | DG1-64- | Degree Level 1 Removable Construction Keyed LFIC |
| | DG1-65- | Degree Level 1 Unassembled/Uncombined Core |
| | DG1-78- | Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices) |
| | DG2- | SARGENT Degree Key System Level 2 |
| | DG2-21- | Degree Level 2 Construction Master Keying |
| | DG2-60- | Degree Level 2 Removable Disposable Construction Core |
| | DG2-63- | Degree Level 2 Removable Core |
| | DG2-64- | Degree Level 2 Removable Construction Keyed LFIC |
| | DG2-65- | Degree Level 2 Unassembled/Uncombined Core |
| | DG2-78- | Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices) |
| | DG3- | SARGENT Degree Key System Level 3 |
| | DG3-21- | Degree Level 3 Construction Master Keying |
| | DG3-60- | Degree Level 3 Removable Disposable Construction Core |
| | DG3-63- | Degree Level 3 Removable Core |
| DG3-64- | Degree Level 3 Removable Construction Keyed LFIC | |
| DG3-78- | Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices) | |
| Signature Key System | 10- | SARGENT Signature Key System (Not Available with other Key Systems) |
| | 10-21- | SARGENT Signature Construction Key System (Lost Ball) |
| Signature Large Format Interchangeable Core | 10-63- | SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder |
| XC- Key System | 11- | XC Key System (not available with 10-, 22-) |
| | 11-21- | XC- Construction Key System (Lost Ball) |
| XC- Large Format Interchangeable 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- Interchangeable Cores | 11-70-7P- | Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, Plastic Disposable Core Provided |
| | 11-72-7P- | Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately |
| | 11-73-7P- | Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) |
| | 11-65-73-7P- | Hardware provided to accept XC- Uncombined 7-Pin SFIC (Permanent) Core |

Note: More Cylinder Options on the following page

Cylinder Options & Shipping Information

SN Series



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

Cylinder Options:

| | | |
|--|-----------|---|
| Construction Key Systems | 21- | SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-) |
| | 22- | SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-) |
| Special Cams | 47- | Special Cams for mortise cylinders |
| 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 | 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) |
| Interchangeable Cores | 70- | Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided |
| | 72- | Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately) |
| | 73- | Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) |
| | 65-73- | Hardware provided to accept Uncombined 6-Pin SFIC (Permanent) Core |
| | 65-73-7P- | Hardware provided to accept Uncombined 7-Pin SFIC (Permanent) Core |
| Keso & Keso F1 | 73-7P- | Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available) |
| | 81- | Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10X 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 10X Line) |
| Bump Resistant Less Cylinder | F1-83- | Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10X Line) (Patented) |
| | 84- | Hardware provided with SARGENT Keso Construction Cores (Not available with 10X 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 |
| Accept Schlage Cylinders | 30- | 10X Line Lever to accept Schlage® fixed core Cylinder-Cylinder is not provided (10X Line only) |
| | SF- | 10X Line L, B or P lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included). |
| Schlage Keyways | SC- | Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices) |
| | SE- | Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices) |
| Keyed Different | KD- | Cylinders provided keyed differently/random |
| Accepts ASSA ABLOY ACCENTRA™ Cylinders/Cores | YC- | 10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA™ 6-pin fixed core cylinder - less cylinder, tailpiece provided (all designs) |
| | YC-7P- | 10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA™ 7-pin fixed core cylinder - less cylinder, tailpiece provided (all designs) |
| | YRC- | 10X Line L or P Lever to accept ASSA ABLOY ACCENTRA™ 6-pin large format interchangeable core (supplied less core, but with tailpiece needed) |

| Hardware | Shipping Weight | Pc. Count/Carton |
|---|---------------------|------------------|
| SN200/210-82280/82281 x lever trim (with cylinder & DB) | 11.3 lbs (5.14 kg) | 1/carton |
| SN200/210-82270/82271 x lever trim (with cylinder) | 10.8 lbs (4.91 kg) | 1/carton |
| SN200/210-82284/82285 x lever trim (w/o cylinder & w/ DB) | 10.8 lbs (4.91 kg) | 1/carton |
| SN200/210-82274/82275 x lever trim (w/o cylinder & DB) | 10.3 lbs (4.68 kg) | 1/carton |
| SN200/210-10XG270/271 with lever | 9.7 lbs (4.41 kg) | 1/carton |
| SN200/210-8973/74/75/76 with ET | 22.6 lbs (10.27 kg) | 1/carton |
| SN200/210-8873/74/75/76 with ET | 20.6 lbs (9.36 kg) | 1/carton |
| SN200/210-8773/74 with ET | 27.6 lbs (12.55 kg) | 1/carton |
| SN200/210-MD8673/74 with ET | 26.6 lbs (12.09 kg) | 1/carton |

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Windstorm Certifications: UL Listed & Florida Building Codes

SN Series



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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.

SN Series 10X 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 E1886-2002
- ASTM E1996-2002
- 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

SN Series 8200/R8200 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 E1886-2002
- ASTM E1996-2002
- 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

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

- SN Series 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 E1886-2002
- 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

SN Series HC4-8700 surface vertical rod exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SN Series HC4-8700 for single and double door applications up to 150 psf; 8'-0" max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ASTM E330-02
- ASTM E1886-02
- ASTM E1996-02
- 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: FL12712.2

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

- SN Series 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 E1886-2002
- ASTM E1996-2002
- 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

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

- SN Series 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 E1886-2002
- ASTM E1996-2002
- 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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