







IN Series IN120 WiFi & IN220 PoE

Intelligent IP-Enabled Access Control

Available through Authorized Channel Partners only.

Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Experience a safer and more open world

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

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Overview

The SARGENT IN Series brings you the next generation of IP-enabled access control in a sleek, minimalist design. With both WiFi and Power over Ethernet options, you can leverage your IT infrastructure to deliver advanced access control to more locations, with the flexibility and security of HID[®] multiCLASS SE[®] technology.

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

The SARGENT IN120 and IN220 are part of a stream of new ASSA ABLOY products that integrate with a facility's access control system. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

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



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.



 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.

Intelligent IP-Enabled Access Control

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FEATURES	BENEFITS	IN120 WıFı Lock	IN220 PoE Lock
Utilizes IEEE 802.3af PoE-enabled network infrastructure for both	Streamlines the installation process, reducing costs		
power and data	Eliminates the need for any proprietary equipment		\checkmark
	Enables real-time communication		
Utilizes IEEE 802.11 WiFi infrastructure	 Significantly reduces installation costs 		
imastructure	Eliminates the need for any proprietary equipment	\checkmark	
	Ideal for hard-to-wire locations		
802.11b/g/n radio	Interoperability with other WiFi equipment	\checkmark	
multiCLASS SE [®] Technology from HID Global [®]	Provides heightened security		
	 Supports: Multiple credential types HID Mobile Access[®] powered by Seos[®], for iOS[®] and Android[™] devices" 	\checkmark	\checkmark
Field selectable communication frequency	 Allows you to balance security requirements with battery life 	\checkmark	
Reduced energy consumption and product sustainability	 Uses significantly less power consumption in standby mode than traditional access control 		\checkmark
measures	Leverages existing network infrastructure	\checkmark	\checkmark
	 Streamlined system architecture provides improved reliability and reduces materials 	\checkmark	\checkmark
Intelligence built into lock for local decision making*	Lock operates regardless of network status	\checkmark	✓*
local decision making	Supports up to 2,400/10,000 users**	\checkmark	\checkmark
	Provides a 10,000 event transaction history/audit trail	\checkmark	\checkmark
Privacy button	Enables shelter in place/local lockdown	/	/
	 Offers privacy capabilities for applications such as restrooms 	\checkmark	\checkmark
Integrated ANSI/BHMA Grade 1	 Flexibility to support various openings 		
hardware, available in cylindrical lock, mortise lock, exit device, and multi-point lock configurations	 Assurance of high quality SARGENT hardware 	\checkmark	\checkmark
Superior aesthetics	Blends into any environment seamlessly		
	Designed to meet the requirements of designers and architects		
	 Available with a wide range of finishes and decorative levers 	v	v
	 Suites with other IN Series locks, regardless of technology 		
	Suitable for glass[^], metal, and wood door types		

* Requires backup power for IN220 ** Contact your access control system manufacturer for more information ^For all glass doors, Center Lock Housing (CLH-IN) must be used. Purchased through ASSA ABLOY Glass Solutions program.

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Intelligent IP-Enabled Access Control

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Credential Support:

Featuring HID[®] multiCLASS SE[®] technology, IN Series IP-enabled locks support the following credentials:

- Mobile Credentials:
 - HID Mobile Access[®] support, featuring Secure Identity Object[™] (SIO) on mobile IDs (BLE and NFC)
 - LenelS2 BlueDiamond™
 - Apple Wallet Seos or DESFire[®] (NFC)
 - Google Pay DESFire $^{\ensuremath{\mathbb{R}}}$ (NFC)
- High Frequency (13.56 MHz):
 - HID iCLASS[®]
 - HID iCLASS SE® (SIO-enabled)
 - HID iCLASS[®] Seos[™]
 - HID MIFARE® SE
 - HID DESfire[®] EV1 SE
 - MIFARE Classic
 - DESfire EV1
 - PIV/PIV-I (40-bit BCD, 64-bit, BCD, 75 bit, 128-bit or 200-bit outputs)
 - Felica
- Low Frequency (125 kHz):
 - HID Prox[®]
- Optional keypad
 PIN only usage or dual authentication needs

For sites with more than one type of credential support, please contact please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE.

Technical Specifications

IN120

 Compatible with 802.11 b/g/n 2.4GHz wireless networks

IN220

 Conforms to IEEE 802.3af Class 1 standard, requiring less than 3.84 watts

Security:

- Optional, protocol level, 128-bit AES encryption (IN120, IN220)
- IN120 supports current WiFi network security standards, including:
 WEP, WPA and WPA2
 - 802.1x
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE.

Software:

- Works with ASSA ABLOY IP-Enabled Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems.
 Email: OEMSupport_Group@ assaabloy.com for assistance.

Environmental Specifications:

- Operating temperature:
 -13°F (-25°C) to 151°F (66°C)
- Humidity: operates in condensing environments*
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

EAC Regulatory Compliance [†]:

- UL 294 Indoor Use
- ULC-60839-11-1, Grade 1
- BHMA A156.25

*Always refer to the installation instructions for correct procedure when installing in condensing environments † Excludes EK series



Optional Keypad PIN only usage or dual authentication needs



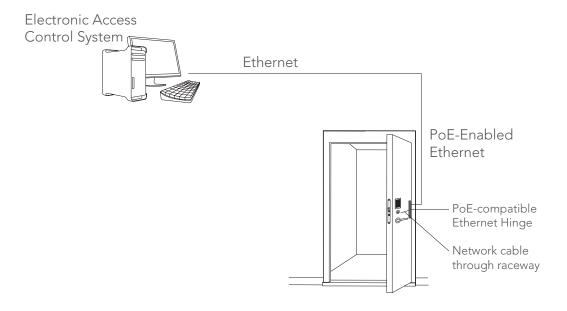
Unlock the potential of your commercial space by seamlessly integrating all-glass doors with the IN120. Enjoy heightened security, simplified access control, and an infusion of invigorating natural light, creating an environment that is both secure and radiant.

- Single and double door applications
- Glass cut-out required
- No cement or silicone required for installation
- Prepped for bored and mortise lock functions
- Matching 6-3/16" x 15-3/16" Centerlock Keeper can be paired with housing for double doors
- Glass thickness: 1/2", 9/16"
- Base materials:
 Cover plates: Stainless Steel
 Housing: Aluminum
- Finishes: 32D, 32, 10BE, BSP, WSP, Stock Powder Coats

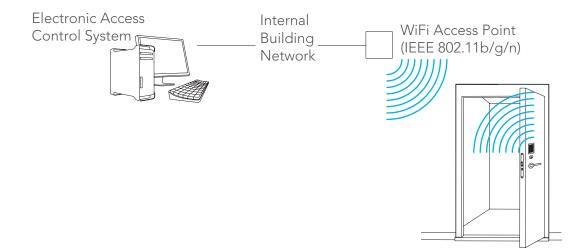
Center Lock Keeper and Housing sold separately through ASSA ABLOY Glass Solutions

Intelligent IP-Enabled Access Control

PoE (Power Over Ethernet) System Configuration



WiFi System Configuration



Intelligent IP-Enabled Access Control

7900 Series Mortise Locks



Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven 7900 Series Mortise Lock
- 3/4" projection stainless steel latchbolt, one-piece construction
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses

Shipping Weight: Approx. 11 lbs.

IN Series Mortise Lock Features

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch
- Guardbolt deadlocks latch

- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handing easily field reversible without disassembling lock body
- Lever trim through-bolted for increased security and durability

- Key override available with #41 cylinder supplied
- Low battery (for IN120), request-toexit (REX), Door Position (DPS) and tamper signaling standard
- EcoFlex[®] technology offers improved battery life for IN120 mortise locks

52-5373 Door Position Switch (DPS)

Supplied with IN Series mortise locks

- SPST concealed switch (2-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for glass and metal door
 Metal door adapter included
- Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics
- * 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.

Select from the following options to order IN Series mortise locks:

Technology

120 WiFi 220 PoE

Function

7978 Key override (no deadbolt)7979 No Key override (no deadbolt)

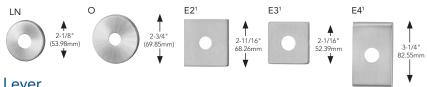
Intelligent IP-Enabled Access Control

SARGEN ASSA ABLOY

7900 Series Mortise Locks

Reader Credentials R Black reader, black trim BIPS HID Prox[®], iCLASS[®], iCLASS SE[®], iCLASS[®] Seos[®], SIO on MIFARE[®] Classic, MB Black reader, metal trim SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay Note: BIKPS All credentials supported by the BIPS option plus keypad. Metal reader trim (MB) is not available in Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit IPV stainless steel (32/32D). If stainless steel outputs). finish is ordered, the reader will be provided in satin nickel (15). Contact Customer IKPV All credentials supported by the IPV option plus keypad Service if another finish is desired. BCP/BCKP Options supporting FeliCa credentials. Contact Transact for more details. DIPS/DIKPS* Options supporting LenelS2 BlueDiamond[™] mobile credentials. *Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.



Lever

Rose

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34.



Premium Levers

RAS ³	H001	H004
REM ³	H002	H006

Finish

	Description	Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

** Finish when cylinder provided with lock

Handing

LH Left hand

Left hand reverse LHR

RH RHR

Right hand

Right hand reverse

*Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is

ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

¹¹KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

 $^2\,\text{Lever}$ returns within 1/2" (13 mm) of door face.

³ Gramercy levers are customized. See page 34 for ordering information.

Intelligent IP-Enabled Access Control

7900 Series Mortise Locks

Build Your Order String

Technology	Func	tion		Cre	dentia	als	R	Reader		Rose		Lever		Finisl	n			
IN	7	9	7															

For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

8200 Series Mortise Locks



Mechanical Features

- Certified to ANSI/BHMA A156.13
 Series 1000 Operational Grade 1 and Security Grade 1
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Florida Building Code information is listed on page 15
- Motor driven 8200 Series Mortise Lock
- 3/4" stainless steel, anti-friction reversible latch

Shipping Weight: Approx. 11 lbs.

IN Series Mortise Lock Features

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)

- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery (for IN120), request-toexit (REX), Door Position (integrated DPS), and tamper signaling standard
- * 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.

Select from the following options to order IN Series mortise locks:

Technology

120

220

•	,,		
WiFi			
PoE			

Note: 82276 and 82277 not available with Glass Solutions center lock housing.

Function

0007/	
82276	Key override and deadbolt*
82278	Key override and no deadbolt
82277	Deadbolt and no key override*
82279	No deadbolt and no key override

*This function supports Escape Return.

Intelligent IP-Enabled Access Control

ASSA ABL

8200 Series Mortise Locks

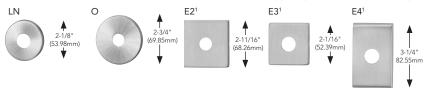
Reader Black read

Credentials

		Creachtais	
B MB	Black reader, black trim Black reader, metal trim	BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
		BIKPS	All credentials supported by the BIPS option plus keypad.
	Metal reader trim (MB) is not	IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
	available in stainless steel (32/32D). f stainless steel finish is ordered, the	IKPV	All credentials supported by the IPV option plus keypad
r (eader will be provided in satin nickel 15). Contact Customer Service if	BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
â	nother finish is desired.	DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.



Lever

Rose

Suites with reader

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34.

F	'ren	niu	m l	Lev	er	S



RAS³ H001 H004 REM³ H002 H006

Finish

	Description	Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

** Finish when cylinder provided with lock

Handing

Left hand
Left hand reverse
Right hand
Right hand reverse

*Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Intelligent IP-Enabled Access Control



8200 Series Mortise Locks

Build Your Order String



For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

7300 Series Multi-Point Locks



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 – 7300 is part of a complete ASSA ABLOY windstorm solution
- Stainless steel non-handed deadlocking latch

deadbolt

Not available with SC- or SE- options

IN Series Multi-Point Lock Features

- Lever outside rigid except when valid credential presented
- Guardbolt deadlocks latch

Shipping Weight: Approx. 11 lbs.

Handed, easily field reversible

Lever trim through-bolted for

UL/ULC Listed for fire doors*

without disassembling lockbody

increased security and durability

Concealed vertical assembly (rods,

Windstorm certification information

is listed in the Sargent 7300 Series

latches and cassette) pre-installed in

Low battery (for IN120), request-to-Lever inside always retracts latch and exit (REX), Door Position (integrated), and tamper signaling standard

door

FCC certified

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.

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"

Select from the following options to order IN Series multi-point locks: Reader Technology Function

120	WiFi	73277	Deadbolt, no key override	В	Black reader, black trim
220	PoE	73276	Key override with deadbolt	MB	Black reader, metal trim

Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Intelligent IP-Enabled Access Control

SARGEN ASSA ABLO

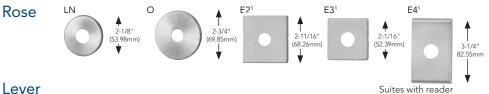
7300 Series Multi-Point Locks

Credentials

BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.



Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34. **Premium Levers**



¹1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

²Lever returns within ½" (13 mm) of door face.

³Gramercy levers are customized. See page 34 for ordering information.

Finish

	Description	Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

**Finish when cylinder provided with lock

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

*Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Intelligent IP-Enabled Access Control

7300 Series Multi-Point Locks

Build Your Order String

Technology	Function	Credentials	Reader	Rose	Lever	Finish	Handing
IN	FM 7 3 2 7 7						
*If Windstor	m or Blast is required, add th	e following before the	e function cod	le:			

FM - Windstorm BL - Blast

Example: FM73277, BL73277

If neither is required, use the function code as listed above.

For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

10X Line Bored Locks



Mechanical Features

- Certified ANSI/BHMA A156.2 Series 4000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven cylindrical lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard

Shipping Weight: Approx. 9 lbs.

IN Series Bored Lock Features

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented, freewheeling optional
- Lever inside always retracts latch
- Guardbolt deadlocks latch

52-5373 Door Position Switch (DPS) Supplied with IN220 bored locks

- SPST concealed switch (2-wire)
- 3/8" Diameter for wood door

- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handing easily field reversible without disassembling lock body
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 10-UL-, 82-, 83-, 84- options
- Key override standard with #C10X-1 cylinder supplied
- Low battery (for IN120), request-toexit (REX), Door Position (DPS), and tamper signaling standard
- Door Position Switch (DPS, P/N 52-5373) supplied
- 3/4" Diameter for glass and metal door
 Metal door adapter included
- Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

IN120/220 10X Line bored locks are UL Certified and Listed as part of an approved assembly¹ to the following certifications and standards:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- -ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994²
- Testing Application Standard (TAS) 202-1994²
- Testing Application Standard (TAS) 203-1994² - UL Certification Directory ZHLL.R21744
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

 $^{\rm 1}{\rm To}$ meet assembly requirements, use in conjunction with doors from ASSA ABLOY Group brands CECO DOOR and CURRIES.

²Published in the "Florida Building Code"

* 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.

1-800-727-5477 • www.sargentlock.com 15

Intelligent IP-Enabled Access Control

10X Line Bored Locks

Select from the following options to order IN Series cylindrical locks:

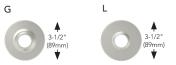
Technology	Credentials	
120 WiFi 220 PoE	BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
	BIKPS	All credentials supported by the BIPS option plus keypad.
Function 10XG77 Key override	IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
10/G// Rey overlide	IKPV	All credentials supported by the IPV option plus keypad
Reader	BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
B Black reader, black trimMB Black reader, metal trim	DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Rose





Finish

	Description	Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Lock Finish	Cylinder/Core**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, WSP	15
BSP	BSP

**Finish when cylinder provided with lock

Handing

LH Left hand

- Left hand reverse LHR
- RH **Right hand**
- RHR Right hand reverse

*Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Build Your Order String



For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string. * Lever returns within ½" (13 mm) of door face



Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

80 Series Exit Devices



Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (8800: stainless steel, 8900: anti-friction brass)
- Cylinder requirements: 8800 Series uses a #34 Rim Cylinder; 8900 Series uses a #46 Mortise Cylinder (1-3/4")

Shipping Weight: Approx. 11 lbs.

IN Series Exit Device Features

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position

- For 1-3/4" (44mm) door standard.
 Consult factory for other thicknesses
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*

- Low battery (for IN120), request-toexit (REX), Door Position (DPS), and tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied
- EcoFlex[®] technology reduces energy consumption up to 89% as certified by GreenCircle





Mortise Exit

Rim Exit

* 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.

Select from the following options to order IN Series exit devices:

Technology 120 WiFi 220 PoE

Function

8977 Mortise lock exit device, key override
8978 Mortise lock exit device, no key override
8877 Rim exit device, key override
8878 Rim exit device, no key override

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

80 Series Exit Devices

Reader

Rail Size

24 - 32" 33 - 36" 37 - 42" 43 - 48"

В	Black reader, black trim	E:
MB	Black reader, metal trim	F:
	Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.	J: G:
Cre	dentials	





BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34.



Finish

	Description	Specify
US3 (ANSI/BHMS 605)	Bright Brass	03
US4 (ANSI/BHMA 606)	Satin Brass	04
US9 (ANSI/BHMA 611)	Bright Bronze	09
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15
20D	Dark Statuary Bronze, clear coated	20D
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

*Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Premium Levers



Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

**Finish when cylinder provided with lock

*Exit Devices ordered in 32 or 32D will have the ET trim and lever supplied in 26 or 26D; for nickel finished ET trim, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly.

Handing

LHR Left hand reverse RHR Right hand reverse

Door Width

Specify in inches

¹ Lever returns within ½" (13 mm) of door face.

²Gramercy levers are customized. See page 34 for ordering information.

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

PE80 Series Exit Devices



Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (PE8800: stainless steel, PE8900: anti-friction brass)
- Cylinder requirements: PE8800 Series uses a #34 Rim Cylinder; PE8900 Series uses a #46 Mortise Cylinder (1-3/4")

Key Override

- 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

IN Series Exit Device Features

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Vertical rod configurations utilize Ease of Access (EA) Option with offset positioning - required

- For 1-3/4" (44mm) door standard.
 Consult factory for other thicknesses
- Available with Studio Collection and all standard levers
- UL/ULC Listed for fire doors*
- Available with ADA Standard for Accessible Design and California Building Code.
- The AFF is 39-5/8" for Standard Applications; when a P100 or P300 Series Auxiliary Control is used, 37 5/16" AFF is recommended to meet local accessibility standards
- Low battery (for IN120), requestto-exit (REX), Door Position Switch (DPS), and tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied**
- EcoFlex[®] technology reduces energy consumption, which lowers operation cost and reduces the number of power supplies required.
- * 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.
- ** For Double-door applications the DPS is installed in-between the active and inactive leaves. The DPS monitors both doors, but the REX only monitors the active leaf. To prevent door-force or door-held alarms, the alarms must be disabled.

Intelligent IP-Enabled Access Control

Select from the following options to order IN Series exit devices:

Tech	nology
120	WiFi
220	PoF

Function

- PE8678 CVR exit device, no key override PE8778 SVR exit device, no key override
- PE8877 Rim exit device, key override
- PE8878 Rim exit device, no key override
- PE8977 Mortise lock exit device, key override PE8978 Mortise lock exit device, no key override

Credentials

BIPS	HID Prox [®] , iCLASS [®] , iCLASS SE [®] , iCLASS [®] Seos [®] , SIO on MIFARE [®] Classic, SIO on MIFARE DESFire [®] EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.
*Orderable throug	th LenelS2 only

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.



Mortise Exit - Inside View



Mortise Exit - Outside View





Surface Vertical Rod - Inside View (EA- Option)

Surface Vertical Rod -Outside View (EA- Option)



Rim Exit - Inside View



Rim Exit - Outside View





Concealed Vertical Rod - Inside View (EA- Option)

Concealed Vertical Rod -Outside View (EA- Option)

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

Cylinder/Core**

PE80 Series Exit Devices **Rail Size**

- Reader
- В Black reader, black trim MB
- Black reader, metal trim
- Note: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
- E: 26" to 32" F: 32.5" to 36" J: 36.5" to 42" G: 42.5" to 48"

Exit Trim

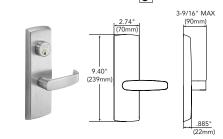
P700 NEx Lever Trim 占

8.10" (206mi

1.95

(49mm)

P700 WEx Lever Trim



Lever

To see the complete range of available levers, please refer to pages 31-34.

Finish

Description				
US3 (ANSI/BHMS 605)	Bright Brass	03		
US4 (ANSI/BHMA 606)	Satin Brass	04		
US9 (ANSI/BHMA 611)	Bright Bronze	09		
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10		
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B		
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE		
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL		
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14		
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15		
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26		
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D		
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32		
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D		
BSP	Black Suede Powder Coat	BSP		
WSP White Suede Powder Coat				

03, 04, 09, 10, 10B, 10BL 04 14, 15, 26, 26D, 32, 32D, WSP 15 BSP BSP **Finish when cylinder provided with lock

Lock Finish

*Exit Devices ordered in 32 or 32D will have the ET trim and lever supplied in 26 or 26D; for nickel finished ET trim, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly.

Handing

3-9/16" MAX

(90mm)

885"

LHR Left hand reverse

RHR Right hand reverse

Door Width

Specify in inches

*Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Build Your Order String

Technology	Device Function	Credentials	Reader	Rail Size	Trim	Lever	Finish	Handing	Door Width (in inches)
IN	PE8877	BIPS	MB	F	NE	L	10BE	RHR	36"

For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

Intelligent IP-Enabled Access Control

Retrofit Kits for Von Duprin® 98/99 Series Rim Exit Devices



Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- Key override compatible with a variety of rim cylinders. Trim prepped for cylinder (not included)
- Requires Von Duprin RX switch assembly #050251-00 (supplied by others)

IN Series Exit Device Features

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position

- Provides complete coverage of door prep for Von Duprin 996 trim; call 800-810-WIRE for information on door prep coverage for other trims
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*
- Matching dummy trim available for double doors.
- Low battery, tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied
- * 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.

Function 231 Rim exit device, key override		Read B	der Black reader, black trim
	, key overhoe	MB	Black reader, metal trim
Escutcheon EK1 Plate for Von Duprin Retrofit Fit		:	Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.
Credentials			
BIPS	Classic, SIO on MIFARE D	ESFire	®,iCLASS® Seos®, SIO on MIFARE® ® EV1 MIFARE Classic, MIFARE , Apple Wallet, Google Pay
BIKPS IPV	All credentials supported by the BIPS option plus keypad.		
IPV Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200			

bit outputs). All credentials supported by the IPV option plus keypad BCP/BCKP Options supporting FeliCa credentials. Contact Transact for more details. **DIPS/DIKPS*** Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

IKPV

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

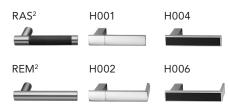
Retrofit Kits for Von Duprin® 98/99 Series Rim Exit Devices

Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 31-34.



Premium Levers



Finish

Description					
US3 (ANSI/BHMS 605)	Bright Brass	03			
US4 (ANSI/BHMA 606)	Satin Brass	04			
US9 (ANSI/BHMA 611)	Bright Bronze	09			
US10 (ANSI/BHMA 612)	Satin Bronze, clear powder	10			
US10B (ANSI/BHMA 613)	Dark Oxidized Satin Bronze, oil rubbed	10B			
10BE (613E)	Dark Oxidized Satin Bronze - equivalent	10BE			
10BL (613L)	Dark Oxidized Satin Bronze - clear coated	10BL			
US14 (ANSI/BHMA 618)	Bright Nickel Plated, clear coated	14			
US15 (ANSI/BHMA 619)	Satin Nickel Plated, clear coated	15			
20D	Dark Statuary Bronze, clear coated	20D			
US26 (ANSI/BHMA 625)	Bright Chromium Plated	26			
US26D (ANSI/BHMA 626)	Satin Chromium Plated	26D			
US32 (ANSI/BHMA 629)*	Bright Stainless Steel	32			
US32D (ANSI/BHMA 630)*	Satin Stainless Steel	32D			
BSP	Black Suede Powder Coat	BSP			
WSP	White Suede Powder Coat	WSP			

Lock Finish	Plug**
03, 04, 09, 10, 10B, 10BL, 20D	04
14, 15, 26, 26D, 32, 32D, WSP	15
BSP	BSP

**Finish when cylinder provided with lock

Handing

LHR Left hand reverse RHR Right hand reverse

*Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

Build Your Order String



The order string for the EK1 mechanical exit trim is: EK1 x 706-5 x Lever x Finish x Hand.

For additional cylinder and/or mechanical options, please refer to pages 36-39. Add the desired options to the beginning of your order string.

 $^1 \, \text{Lever}$ returns within 1/2" (13 mm) of door face.

 $^2\mbox{Gramercy}$ levers are customized. See page 34 for ordering information.

Hard Power Option (91-) for IN120



PoE Hinges for IN220



Patented

The PoE door & frame harnesses can accommodate a variety of new (with raceway) and retrofit applications. The Hard Power option (91-) is recommended for high traffic doors or openings that require online behavior. Hard powering an IN120 allows the lock to operate in an always connected mode. The IN120 allows hard powering via an input of 9-24VDC (UL 294 Listed Power Supply Required) and draws 300mA at 9VDC in always connected mode. SARGENT offers a range of power supplies suitable for this application.

12VDC & 24VDC Power Supplies

- UL Class 2 Listed filtered and regulated supply
- 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

McKinney ElectroLynx[®] hinges and harnesses are required for hard-powered IN120 applications.

52-4824 IN120 Adapter Cable

 Included with 91- prefix option IN120 units

Compatible with ElectroLynx[®] system

 Allows for hard powering (91-) of IN120 (required for certain monitoring features)

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

McKinney ElectroLynx[®] PoE Hinges*

Description

4 ½" x 4 ½" TA2714 26D PoE (Standard Weight 5 knuckle)

4 ½" x 4 ½" T4A3786 26D PoE (Heavy Weight 5 knuckle)

McKinney ElectroLynx[®] PoE Frame Harness

Cable Length	Harness Description
180"	PoE-C1500P

Cat5e, 24 AWG, Shielded, Stranded, 100 Ohm

*See the McKinney catalog for additional finishes and hinge types

McKinney ElectroLynx® PoE Door Harnesses

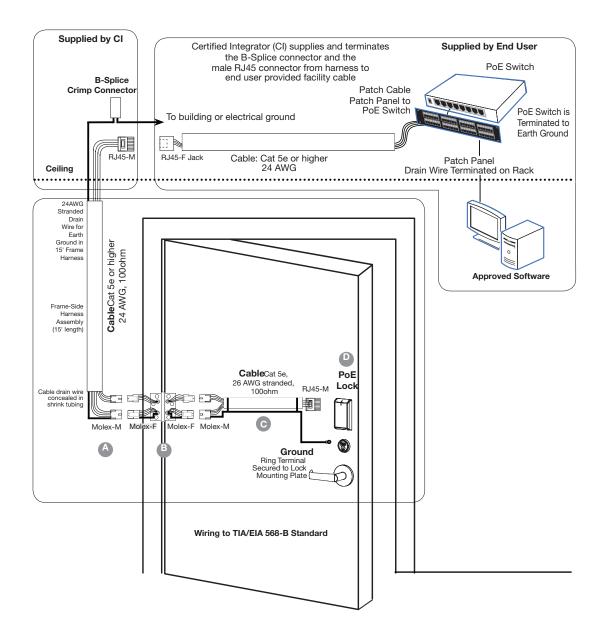
Door Width	Cable Length	Wood Door	Hollow Metal Door
28" to 31"	36"	PoE-C300RJ	PoE-C300PRJ
32" to 36"	42"	PoE-C306RJ	PoE-C306PRJ
37" to 42"	48"	PoE-C400RJ	PoE-C400PRJ
43" to 48"	54"	PoE-C406RJ	PoE-C406PRJ

All are Cat5e, 26 AWG, Shielded, Stranded, 100 Ohm

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

IN220 PoE System Architecture



Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

Accessories and Software

Cover Plate Kits

79-5000 32D	Mortise lock, IN120/IN220-82276 (key override, with deadbolt), 32D finish
79-5001 32D	Mortise lock, IN120/IN220-82277 (no key override, with deadbolt), 32D finish
79-5002 32D	Mortise lock, IN120/IN220-7978/82278 (key override, no deadbolt), 32D finish
79-5003 32D	Mortise lock, IN120/IN220-7979/82279 (no key override, no deadbolt), 32D finish
10-5008 32D	Cylindrical lock, IN120/IN220-10XG77 (with key override), 32D finish

WFCD1 Network and Lock Configuration Tool Kit*

- Contains:
 - -LCT software
 - -Serial adapter cable (P/N 52-3956)
 - -Users' manual (on CD)
 - -Quick start guide
 - Configuration cards (to configure iCLASS Only Locks)
 - -USB cable (P/N 52-1635)

DHTA Power over Ethernet (PoE) Cable and Data Hinge Test Adapter for IN220

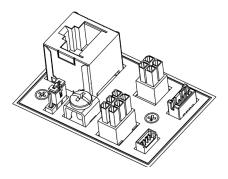
Developed for troubleshooting SARGENT PoE locks, the ASSA ABLOY PoE cable and data hinge test adapter verifies your PoE installation in the field. Sold as a kit containing two test adapters, it allows you to verify proper wiring from the door frame to the PoE data hinge and lock, or test the frame, hinge or door cables independently. This test tool helps answer the question "Is the problem in the lock or in the wiring to the lock?" and will save you troubleshooting time. The DHTA works in conjunction with the following products or their equivalent, provided by others:

- BK Precision model 231A
- FLUKE DTX 1800 CableAnalyzer[™]

Required to configure network

settings of IN220 locks

 Two (2) Category 5e patch cables, each (10) feet in length



* The Network and Lock Configuration CD Tool Kit (WFCD1) is required to set up IN120 and IN220 locks. Only one is required per system. Lock Management Tool or a compatible system is also required.

Intelligent IP-Enabled Access Control

Lock Management Tool



Lock Management Tool™ (LMT) allows programming, interrogation and overall management of ASSA ABLOY PoE locks from a centralized location for up to 50 doors. The application facilitates communication from a computer to the locks via IEEE 802.11af PoE infrastructure. The LMT program allows an administrator to establish multiple user types, time zones, holidays, user groups, auto-unlock periods and to obtain transaction history from all locks connected to the system. LMT consists of a server based installation (a small workstation will be sufficient) with most of the daily administration and configuration being done through a web browser. A local client on the server can be used for more complex configuration tasks.

Features:

- Password protected database
- User database size based on local hardware configuration
- Allows for creation of user groups
- Easy to follow data entry
- Real-time clock with date and time
- Sixteen different time zones
- Holiday support
- Auto-unlock schedule with or without "first in" unlock
- Allows viewing of system wide events and history (total number of events based on local hardware configuration) – includes event type, date, time, user ID and name

Requirements:

- Hardware:
 - Screen: 800 x 600 required; 1024 x 768 Recommended
 - Network Card required
 - CD-ROM required
 - Memory: 4 GB minimum, 8 GB+ recommended for servers
 - Storage: 50 GB available or more as needed
 - Processor: 2 GHz or faster Dual-core minimum

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

- Configurable for all major HID[®] Prox 125 kHz or iCLASS[®] 13.56 MHz card formats
- Scheduler utility to establish lock communication at pre-defined intervals
- User manual included
- Browser-based user interface
- Simple drag-and-drop configurations
- Basic alarm monitoring

- Supported Operating Systems:
 Windows 10 Pro & Enterprise (Home editions of Windows are not supported)*
 - Windows Server 2012, 2012R2, 2016 & 2019
- Supported Databases: Microsoft SQL Server 2012 to 2019
 Installed with Mixed Mode authentication enabled as installer requires a SQL sysadmin account.

Intelligent IP-Enabled Access Control

WFCD2 Lock Management Tool (LMT) 25 Door License

- Lock Management Tool[™] allows programming, interrogation and overall management from a centralized location of up to 25 doors
- License is included and is obtained at time of installation
- Download from IntelligentOpenings.com

WFCD3 Lock Management Tool (LMT) 50 Door License

- Lock Management Tool[™] allows programming, interrogation and overall management from a centralized location of up to 50 doors
- License is included and is obtained at time of installation
- Download from IntelligentOpenings.com

Integration Tools for ASSA ABLOY Locks

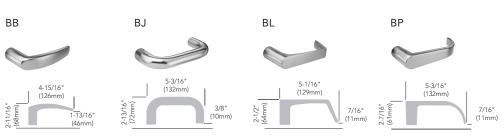
ASSA ABLOY electronic access control locks integrate with a range of industry-leading access control systems. For more information on which systems support our IP-enabled locks, please contact your local ASSA ABLOY Door Security Solutions office, www.assaabloydss.com. To learn more about how to integrate these and other ASSA ABLOY products with your system, please call 800-810-WIRE.

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

Standard Levers (7900 Series Mortise Locks)

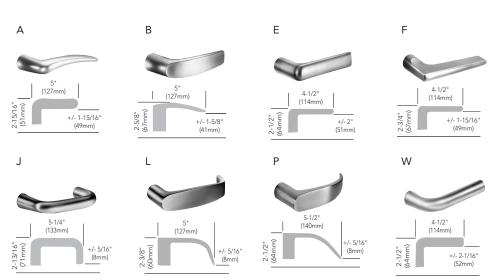
- All levers meet ADA national code requirements
- Levers BB, BL, BJ & BP are only available with the O rose
- Lever designs BJ, BL and BP have lever returns within 1/2" (13mm) of door face



Standard Levers (8200 Series Mortise Locks, 80 and PE80 Series Exit Devices, and 7300 Series Multi-Point Locks)

- All levers meet ADA compliance for national codes
- Solid forged or cast

- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face



Standard lever options are only available with O roses.

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

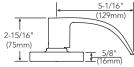
Standard Levers (10X Line Bored Locks)

- All levers meet ADA compliance for national codes
- Solid cast

В

Ρ

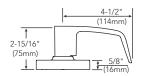




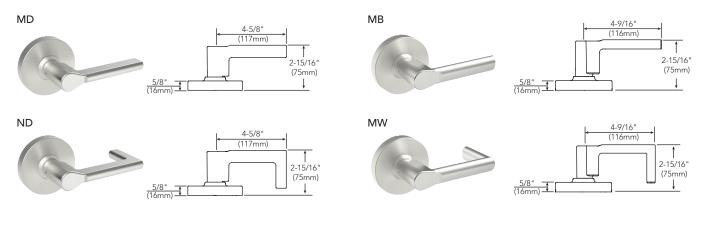
Lever designs L, P, ND, MW have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code



 All lever height (+/- 1/16") measurements represent total distance from door face

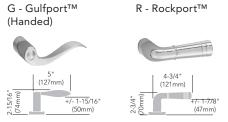


Decorative Levers (10X Line Bored Locks)



The Coastal Series" (Mortise Locks, 80 and PE80 Series Exit Devices, and 7300 Series Multi-Point Locks)

- All levers meet ADA compliance for national codes
- Not available with CO and TO roses



- Levers are solid cast brass
- Finishes available 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D



All lever height (+/- 1/16") measurements represent total distance from door face

Intelligent IP-Enabled Access Control

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 and PE80 Series Exits Devices, DL/RDL Series Tubular Locks, and 7300 Series Multi-Point Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

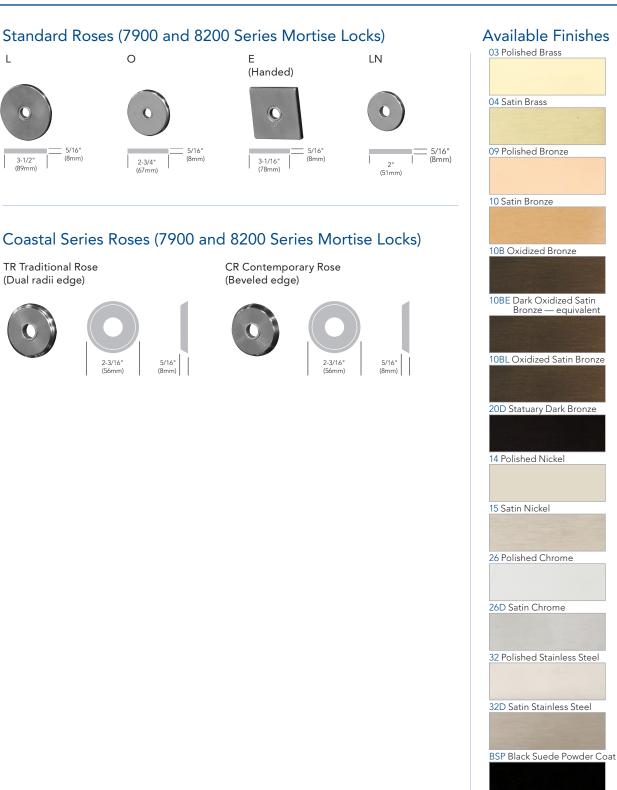
Wooster Square Series H001 H002² H003 H004 H005² H006² **Aventura Series** MB MG MF MF NF MI MW² 1 **Gramercy Series**³ RCM RAS RAL REM RAM RAG RGM **Centro Series** ND² NJ² MD MP¹ MJ A Odéon Series^{1,4} (Handed Levers) MH MN MU NU² MS MV WG Notting Hill Series (MA and MO are Non-Handed Levers) MA MQ MT MO MZ² GT E **Berlin Series** ¹ Contact factory for current lead times. Not available H018 in stainless steel finishes. H015 H016² H017 ² Lever returns within 1/2" (13mm) of door face ³ Gramercy levers are customized. See page 34 for ordering information. ⁴ Odéon Series are not available in 32D Note: H003 - H006 contains white or black Grant Park Series (H008 is handed) polycarbonate insert H007 H008 H011 31 1-800-727-5477 • www.sargentlock.com

Experience a safer and more open world

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Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

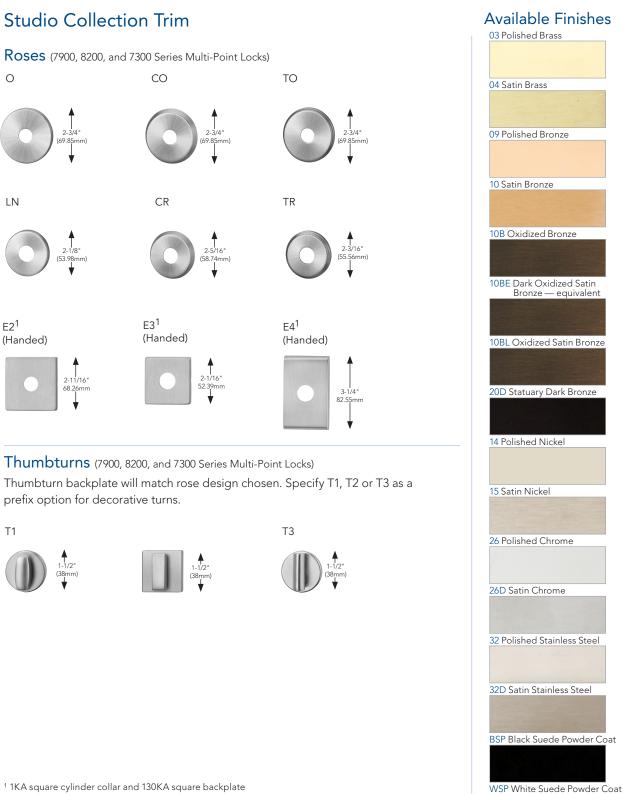


Available Finishes

32 1-800-727-5477 • www.sargentlock.com 90829 06/24 • Copyright © 2018-2024, SARGENT Manufacturing Company. All rights reserved. WSP White Suede Powder Coat

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SARGENT ASSA ABLOY



automatically supplied with E2, E3 and E4 roses.

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Ordering Gramercy Series Levers





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	ВК	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 and 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, BSBNBS or WSBNWS
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. Rose/escutcheon and lock finish will be 32.

When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

Replacement Parts

. Reader Modules**1

PART NUMBER		DESCRIPTION	
IN120-EM01-[credentia	ls]-[reader]	See below for credentials and reader code	
Credentials			Rea
BIPS	HID Prox [®] , iCL	ASS [®] , iCLASS SE [®] ,iCLASS [®] Seos [®] , SIO on MIFARE [®] Classic,	В
	SIO on MIFARI	E DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID , Apple Wallet, Google Pay	MB
BIKPS	All credentials	supported by the BIPS option plus keypad.	Note
IPV	Supports PIV/F outputs).	PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit	
IKPV	All credentials	supported by the IPV option plus keypad	
BCP/BCKP	Options suppo details.	orting FeliCa credentials. Contact Transact for more	
DIPS/DIKPS*	Options suppo	orting LenelS2 BlueDiamond™ mobile credentials.	

eader

Black reader, black trim Black reader, metal trim

te: Metal reader trim (MB) is not available in stainless steel (32/32D). If stainless steel finish is ordered, the reader will be provided in satin nickel (15). Contact Customer Service if another finish is desired.

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

Replacement Kits

PART NUMBER	DESCRIPTION
IN120-EM07-B	WiFi replacement kit (controller, plate, cover); black
IN120-EM07-MB-[finish] ²	WiFi replacement kit (controller, plate, cover); black with metal trim
IN220-EM07-B	PoE replacement kit (controller, plate, cover); black
IN220-EM07-MB-[finish] ²	PoE replacement kit (controller, plate, cover); black with metal trim

Inside Escutcheon¹

IN120-EM02-MB-[finish]²

PART NUMBER IN120-EM02-B

52-5373 Door Position Switch (DPS)¹

DESCRIPTION
SPST concealed switch (2 wire)
Metal door adapter included
3/8" diameter for wood door
3/4" diameter for metal door
Supplied with IN120/IN220 (all locks except 8200 & FM7300)

Controllers & Controller Mounting Kit

DESCRIPTION
WiFi Controller
PoE Controller
Inside Mounting Kit (mounting plate and hardware)

Lockbodies¹

PART NUMBER	DESCRIPTION
IN120-7978-[finish] ² -[handing]	7900 mortise lockbody with cylinder (no deadbolt)
IN120-7979-[finish]²-[handing]	7900 mortise lockbody only (no deadbolt, no cylinder)
IN120-82276-[finish] ² -[handing]	8200 mortise lockbody with deadbolt and cylinder
IN120-82277-[finish]²-[handing]	8200 mortise lockbody with deadbolt (no cylinder)
IN120-82278-[finish] ² -[handing]	8200 mortise lockbody with cylinder (no deadbolt)
IN120-82279-[finish] ² -[handing]	8200 mortise lockbody only (no deadbolt, no cylinder)
10-3767	Cylindrical lockbody, Std/Rigid Lever (1-3/8"-2" Door)
10-3768	Cylindrical lockbody, Freewheeling Lever (1-3/8"-2" Door)
10-3801	Cylindrical lockbody, Std/Rigid Lever (2-1/4" Door)
10-3802	Cylindrical lockbody, Freewheeling Lever (2-1/4" Door)

¹Reader modules, inside escutcheons, mounting kit, lockbodies, and door position switch can be used for both IN120 and IN220

² Specify finish

Intelligent IP-Enabled Access Control

Mechanical Options

STRIKE OPTIONS	29-	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only.
STRIKE OPTIONS	WBS-	Wrought Box Strike
10X LINE BACKSET OPTIONS	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10X Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10X Line only)
	36-	Six lobe security head screws
SECURITY FASTENERS	37-	Spanner head screws
3/4" LATCH THROW	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10X Line only)
	75-	Tactile Warning — Milled Inside Lever (Not available with Studio and Coastal Levers and the A Lever)
	76-	Tactile Warning — Milled Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
TACTILE WARNING OPTIONS	77-	Tactile Warning — Milled Inside and Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	85-	Tactile Warning — Abrasive Coating on Inside Lever
	86-	Tactile Warning — Abrasive Coating on Outside Lever
	87-	Tactile Warning — Abrasive Coating on Inside and Outside Lever
FINISH PROTECTION	CPC-	Clear Powder Coat (Available for 26, 26D, 32 and 32D Finishes)
FINISH PROTECTION	SG-	<code>MicroShield®</code> antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
	T1-	Decorative thumbturn; backplate matches rose design chosen
THUMBTURNS (SEE PAGE 33)	Т2-	Decorative square thumbturn; backplate matches rose design chosen
	Т3-	Decorative cylinder thumbturn; backplate matches rose design chosen
OUTSIDE LOCKED LEVERS	FW-	Freewheeling locking levers
KEYED DIFFERENT	KD-	Cylinders provided keyed differently/random
PE80 SERIES OPTIONS	EA-	Ease of Access (Required for PE8600 and PE8700)

Intelligent IP-Enabled Access Control

Cylinder Options

CONVENTIONAL CYLINDER		SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
SIGNATURE KEY	10-	SARGENT Signature Key System (Not Available with other Key Systems)
SYSTEM	10-21-	SARGENT Signature Construction Key System (Lost Ball)
SIGNATURE: LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- KEY SYSTEM	11-	XC Key System (not available with 10-, 10UL, 22- options)
AC- KET STSTEM	11-21-	XC- Construction Key System (Lost Ball)
XC- LARGE FORMAT	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core — provided
INTERCHANGEABLE CORE (REMOVABLE	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
CORE)	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
	11-70-7P-	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided
XC- SMALL FORMAT	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
INTERCHANGEABLE CORE	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- Uncombinated 7-Pin SFIC (Permanent) Core (Packed Loose)
CONSTRUCTION	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
KEY SYSTEMS	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
OLD STYLE	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
REMOVABLE CORE	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
LARGE FORMAT	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
INTERCHANGEABLE CORE (REMOVABLE	63-	Hardware provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
CORE)	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)

Intelligent IP-Enabled Access Control

Cylinder Options

SMALL FORMAT 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 Uncombinated 6-Pin SFIC (Permanent) Core (Packed loose for field keying)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (Packed loose for field keying)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
	81-	Hardware provided with housings to accept Keso (83) and 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)
KESO & KESO F1	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10X Line)
	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 and Conventional XC Cylinders Only)
LESS CYLINDER	LC-	Hardware supplied less cylinder
ACCEPTS SCHLAGE	30-	10X Line Lever to accept Schlage [®] fixed core Cylinder-Cylinder is not provided (10X Line only)
CYLINDERS	SF-	10X Line L, B or P lever to accept Schlage [®] large format interchangeable core (supplied less core, tailpiece included).
	SC-	Schlage® C keyway cylinder, 0 bitted
SCHLAGE KEYWAYS	SE-	Schlage® E keyway cylinder, 0 bitted
	YC-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA™ 6-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
ACCEPTS ASSA ABLOY ACCENTRA™ CYLINDERS/CORES	YC-7P-	10X Line lever to accept Corbin Russwin or ASSA ABLOY ACCENTRA™ 7-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
CTEINDERS/CORES	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)

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

Cylinder Options

	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	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
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
DEGREE CYLINDERS	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	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
	DG3-65-	Degree Level 3 Unassembled/Uncombined Core

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, mechanical and smart locks, access control and service.



SARGENT Manufacturing Company 100 Sargent Drive New Haven, CT 06511 USA 800-727-5477 www.sargentlock.com

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

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