

IN100

Aperio[®] Wireless Access Control

Available through Authorized
Channel Partners only.

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



IN100

Aperio® Wireless Access Control

SARGENT
ASSA ABLOY

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Overview

The SARGENT IN100 lockset brings you the next generation of wireless access control in a sleek, minimalist design. Leverage your EAC or 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 IN100 is 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.

For architectural specifications, consult your Door Security Solutions Representative.

Shown on cover:

IN100-7976-IP-MW-E4-H005-LHR

FEATURES	BENEFITS
Utilizes IEEE 802.15.4 wireless communication	<ul style="list-style-type: none"> ■ Eliminates the greatest cost and inconvenience of wired access control - the wiring around the door ■ Leverages EAC or IP infrastructure ■ Ideal for hard-to-wire locations
multiCLASS SE® Technology from HID Global®	<ul style="list-style-type: none"> ■ Provides heightened security ■ Supports: <ul style="list-style-type: none"> – A wide range of credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials – HID Mobile Access® powered by Seos®, for iOS® and Android™ devices
Real-time communication	<ul style="list-style-type: none"> ■ Alarms and events are communicated in real time to the EAC system ■ Access decisions are determined in real time by the EAC system ■ Schedules and door states can be initiated/changed in real time*
Centralized decision making	<ul style="list-style-type: none"> ■ System capacities bounded by the EAC system, not the locking device ■ Access decisions based on current EAC system information
Privacy button*	<ul style="list-style-type: none"> ■ Allows shelter in place/local lockdown ■ Enables privacy capabilities for applications such as restrooms
Smart Credential Cache	<ul style="list-style-type: none"> ■ Allows previously authorized credentials to be granted access when the EAC infrastructure is offline for any reason ■ Can be enabled/disabled ■ Programmable cache size/validity time
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, multi-point, and exit device configurations	<ul style="list-style-type: none"> ■ Flexibility to support various openings ■ Assurance of high quality SARGENT hardware
Superior aesthetics	<ul style="list-style-type: none"> ■ Blends into any environment seamlessly ■ Designed to meet the requirements of designers and architects ■ Available with a wide range of finishes and decorative levers ■ Suites with other IN Series locks, regardless of technology

* Access Control Partner software dependent. Contact your local ASSA ABLOY Integrated Solutions Specialist for more information.

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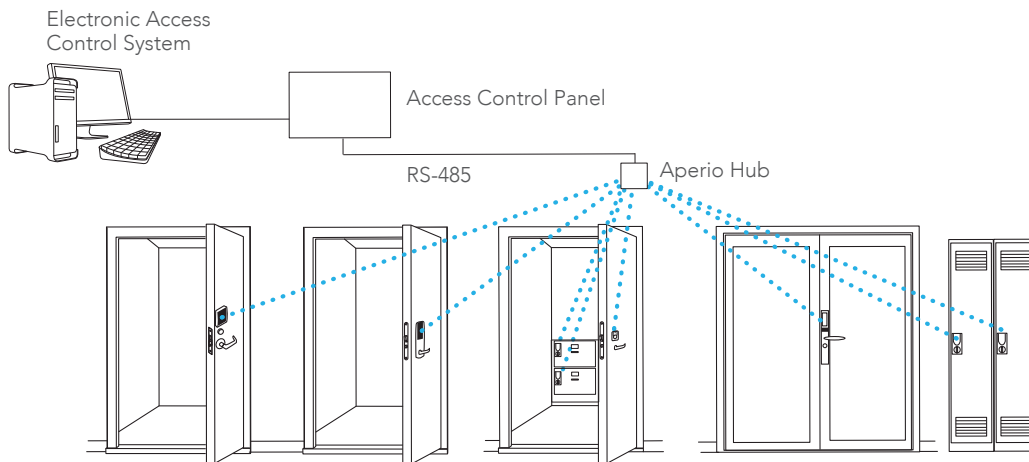
Aperio® Wireless Access Control

An innovative new approach to online access control

Aperio® technology is a global wireless platform that reduces the cost and inconvenience of traditional access control, with the flexibility to address any application.

Aperio utilizes local wireless communication between the lock and a communications hub to connect to an electronic access control system. You can easily expand the reach of existing access control systems and secure openings that would otherwise go unprotected.

With the global range of Aperio-enabled locks from ASSA ABLOY, online access control can be easy and cost-effective at any opening, with standardization across locations worldwide.



IP hub also available for direct connection to IT infrastructure

Credential Support:

HID® multiCLASS SE® technology offers support for the following credentials:

- 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)
- Low Frequency (125 kHz):
 - HID Prox®, AWID, EM4102
- NFC & BLE-enabled Mobile Phones:
 - HID Mobile Access (BLE and NFC)
 - Seos Apple Wallet (NFC)

Security:

- AES 128-bit encryption
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-Wire.

Software:

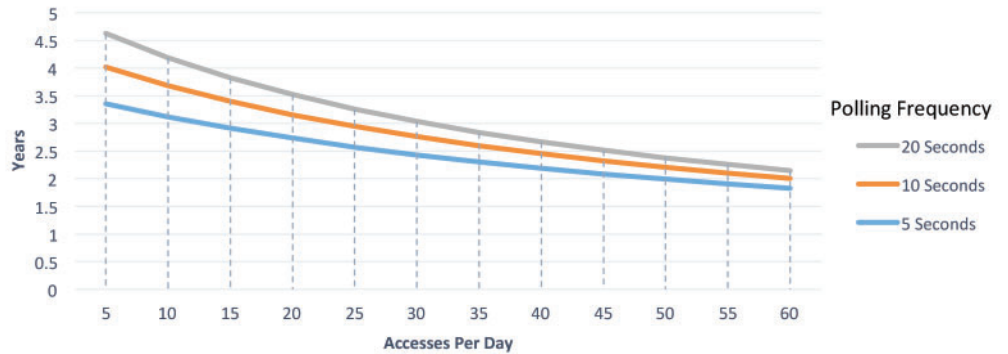
- Works with ASSA ABLOY Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems. Email: OEMSupport_Group@assaabloy.com for assistance.

Environmental Specifications:

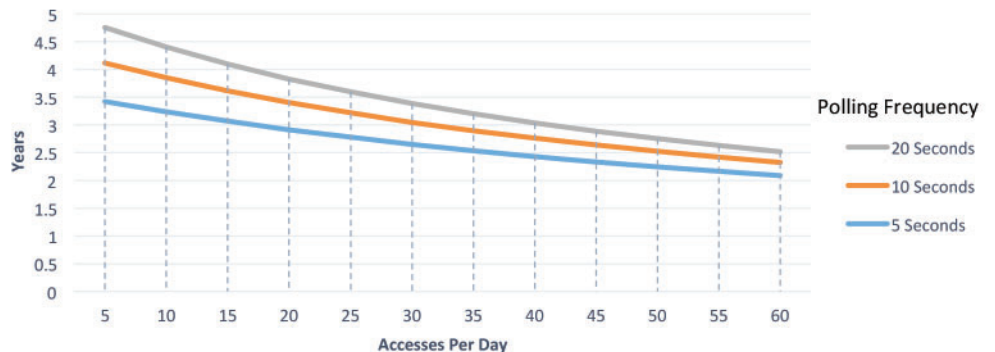
- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: < 85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

Battery Life

CYLINDRICAL LOCKS & EXIT DEVICES



MORTISE LOCKS



* Battery life data was calculated using Duracell batteries.

IN100 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
- Steel deadbolt assembly with 13 gauge hardened steel insert, 1" (25mm) projection
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Handing easily field reversible without disassembling lock body
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN100 Mortise Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery, request-to-exit (REX), and tamper signaling standard
- EcoFlex™ technology offers improved battery life

52-5374 Door Position Switch (DPS)

Supplied with IN100 mortise locks

- SPDT concealed switch (3-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for 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.

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Select from the following options to order IN100 mortise locks:

Function

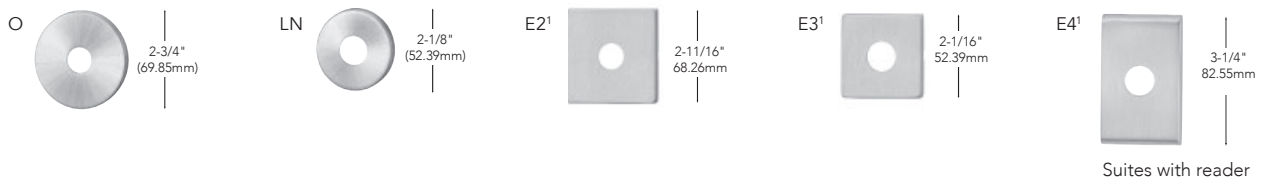
- 7978 Key override and no deadbolt
- 7979 No deadbolt and no key override

Reader

- B Black reader, black trim
- W White reader, white trim
- MB Black reader, metal trim
- MW White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string.

Rose

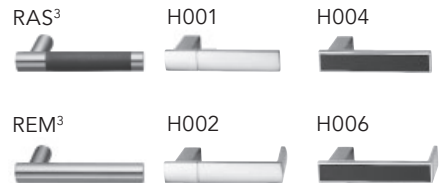


Lever

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 21-23.



Premium Levers



Finish

- | | | | |
|------|---|-----|---|
| 03 | Bright brass (ANSI 605) | 14 | Bright nickel, clear coated (ANSI 618) |
| 04 | Satin brass (ANSI 606) | 15 | Satin nickel, clear coated (ANSI 619) |
| 09 | Bright bronze (ANSI 611) | 20D | Dark statuary bronze, clear powder coat |
| 10 | Satin bronze, clear powder (ANSI 612) | 26 | Bright chrome (ANSI 625) |
| 10B | Oxidized satin bronze oil rubbed (ANSI 613) | 26D | Satin chrome (ANSI 626) |
| 10BE | Dark oxidized satin bronze — equivalent | BSP | Black suede powder coat |
| 10BL | Oxidized satin bronze, clear powder coat | WSP | White suede powder coat |

Handing

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

Build Your Order String

Series	Function	Credentials	Reader	Rose	Lever	Finish	Handing
IN 100	7 9 7	B I P S					

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

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

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

³Gramercy levers are customized. See page 25 for ordering information.

Experience a safer
and more open world

1-800-727-5477 • www.sargentlock.com

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 16
 - Motor driven 8200 Series Mortise Lock
 - 3/4" stainless steel, anti-friction reversible latch
 - For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
 - Stainless steel non-handed deadlocking latch
 - Not available with SC- or SE- options
 - Handed, easily field reversible without disassembling lockbody
 - Lever trim through-bolted for increased security and durability
- Shipping Weight: Approx. 11 lbs.

IN Series Mortise Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery, request-to-exit (REX), latch, guardbolt 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:

Function

- 82276 Key override and deadbolt
- 82278 Key override and no deadbolt
- 82277 Deadbolt and no key override
- 82279 No deadbolt and no key override

Reader

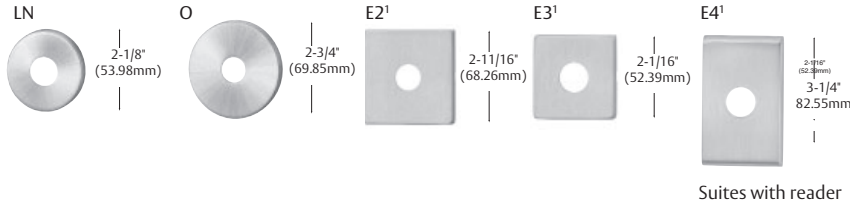
- B Black reader, black trim
- W White reader, white trim
- MB Black reader, metal trim
- MW White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

IN100

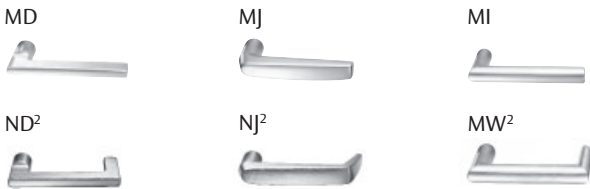
Aperio® Wireless Access Control

Rose

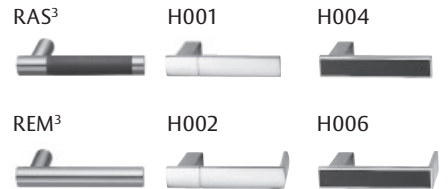


Lever

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 21-23.



Premium Levers



Finish

03	Bright brass (ANSI 605)	14	Bright nickel, clear coated (ANSI 618)
04	Satin brass (ANSI 606)	15	Satin nickel, clear coated (ANSI 619)
09	Bright bronze (ANSI 611)	20D	Dark statuary bronze, clear powder coat
10	Satin bronze, clear powder (ANSI 612)	26	Bright chrome (ANSI 625)
10B	Oxidized satin bronze oil rubbed (ANSI 613)	26D	Satin chrome (ANSI 626)
10BE	Dark oxidized satin bronze — equivalent	32	Bright stainless steel (ANSI 629)*
10BL	Oxidized satin bronze, clear powder coat	32D	Satin stainless steel (ANSI 630)*

BSP	Black suede powder coat
WSP	White suede powder coat

Handing

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

*Metal reader trim (MB and MW) plated to match

Build Your Order String

Technology Function		Credentials				Reader	Rose	Lever	Finish	Handing
IN	100	8	2	2	7					

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

IN100

Aperio® Wireless Access Control

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IN100 10 Line Cylindrical 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
- 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 83-, 84- options

Shipping Weight: Approx. 9 lbs.

IN100 Cylindrical Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override standard with #C10-1 cylinder supplied
- Low Battery, Request-to-Exit (REX), and Tamper signaling standard
- Door Position Switch (DPS, P/N 52-5374) supplied

52-5374 Door Position Switch (DPS) Supplied with IN100 cylindrical locks

- SPDT concealed switch (3-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
- - Metal door adapter included

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

IN100 10 Line cylindrical 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 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

¹To meet assembly requirements, use in conjunction with doors from ASSA ABLOY Group brands CECO and CURRIES.

²Published in the "Florida Building Code"

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IN100

Aperio® Wireless Access Control

Select from the following options to order IN100 cylindrical locks:

Function

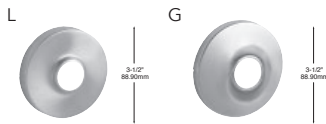
10G77 Key override

Reader

- B Black reader, black trim
- W White reader, white trim
- MB Black reader, metal trim
- MW White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string.

Rose



Lever



Finish

- | | | | |
|------|---|-----|---|
| 03 | Bright brass (ANSI 605) | 14 | Bright nickel, clear coated (ANSI 618) |
| 04 | Satin brass (ANSI 606) | 15 | Satin nickel, clear coated (ANSI 619) |
| 09 | Bright bronze (ANSI 611) | 20D | Dark statuary bronze, clear powder coat |
| 10 | Satin bronze, clear powder (ANSI 612) | 26 | Bright chrome (ANSI 625) |
| 10B | Oxidized satin bronze oil rubbed (ANSI 613) | 26D | Satin chrome (ANSI 626) |
| 10BE | Dark oxidized satin bronze — equivalent | BSP | Black suede powder coat |
| 10BL | Oxidized satin bronze, clear powder coat | WSP | White suede powder coat |

Handing

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

Build Your Order String

Series	Function	Credentials	Reader	Rose	Lever	Finish	Handing
IN 100	1 0 G 7 7	B I P S					

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

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

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")
- 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*

Shipping Weight: Approx. 11 lbs.

IN100 Exit Device Functions

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Door Position Switch (DPS, part #52-5374) supplied; tamper signaling standard
- EcoFlex™ technology reduces energy consumption up to 95% as certified by GreenCircle



Mortise Exit

Rim Exit

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IN100

Aperio® Wireless Access Control

Select from the following options to order IN100 exit devices:

Function	Reader	Rail Size
8977 Mortise lock exit device, key override	B Black reader, black trim	E: 24 - 32"
8978 Mortise lock exit device, no key override	W White reader, white trim	F: 33 - 36"
8877 Rim exit device, key override	MB Black reader, metal trim	J: 37 - 42"
8878 Rim exit device, no key override	MW White reader, metal trim	G: 43 - 48"

ET Trim

ET 700 Series ET Trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match



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 21-23.

MD



MJ



MI



ND²



NJ¹



MW¹



Premium Levers

RAS²



H001



H004



REM²



H002



H006



Finish*

03	Bright brass (ANSI 605)	14	Bright nickel, clear coated (ANSI 618)
04	Satin brass (ANSI 606)	15	Satin nickel, clear coated (ANSI 619)
09	Bright bronze (ANSI 611)	20D	Dark statuary bronze, clear powder coat
10	Satin bronze, clear powder (ANSI 612)	26	Bright chrome (ANSI 625)
10B	Oxidized satin bronze oil rubbed (ANSI 613)	26D	Satin chrome (ANSI 626)
10BE	Dark oxidized satin bronze — equivalent	32	Bright stainless steel (ANSI 629)
10BL	Oxidized satin bronze, clear powder coat	32D	Satin stainless steel (ANSI 630)
		BSP	Black suede powder coat
		WSP	White suede powder coat

Handing

LHR	Left hand reverse
RHR	Right hand reverse

Door Width

Specify in inches

* 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.

Build Your Order String

Technology	Function	Credentials	Reader	Rail Size	ET Trim	Lever	Finish	Handing	Door Width (in inches)
IN	100	8	B I P S		E T				

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

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

² Gramercy levers are customized. See page 25 for ordering information.

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)
- 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.

IN Series Exit Device Functions

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Low battery, tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied

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Function

231 Rim exit device, key override

Reader

- B Black reader, black trim
- W White reader, white trim
- MB Black reader, metal trim
- MW White reader, metal trim

Escutcheon

- EK1 Plate for Von Duprin Retrofit Fit

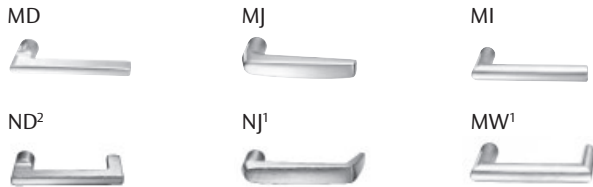
Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

IN100

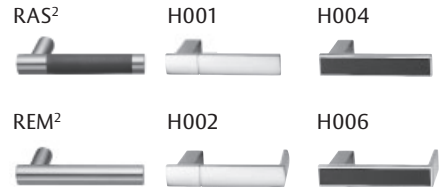
Aperio® Wireless Access Control

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 21-23.



Premium Levers



Finish

03	Bright brass (ANSI 605)	14	Bright nickel, clear coated (ANSI 618)	BSP	Black suede powder coat
04	Satin brass (ANSI 606)	15	Satin nickel, clear coated (ANSI 619)	WSP	White suede powder coat
09	Bright bronze (ANSI 611)	20D	Dark statuary bronze, clear powder coat		
10	Satin bronze, clear powder (ANSI 612)	26	Bright chrome (ANSI 625)		
10B	Oxidized satin bronze oil rubbed (ANSI 613)	26D	Satin chrome (ANSI 626)		
10BE	Dark oxidized satin bronze — equivalent	32	Bright stainless steel (ANSI 629)*		
10BL	Oxidized satin bronze, clear powder coat	32D	Satin stainless steel (ANSI 630)*		

Handing

LHR Left hand reverse
RHR Right hand reverse

*Metal reader trim (MB and MW) plated to match

Build Your Order String

Technology	Function	Credentials	Reader	Escutcheon	Lever	Finish	Handing
IN 100	2 3 1	B I P S		E K 1			

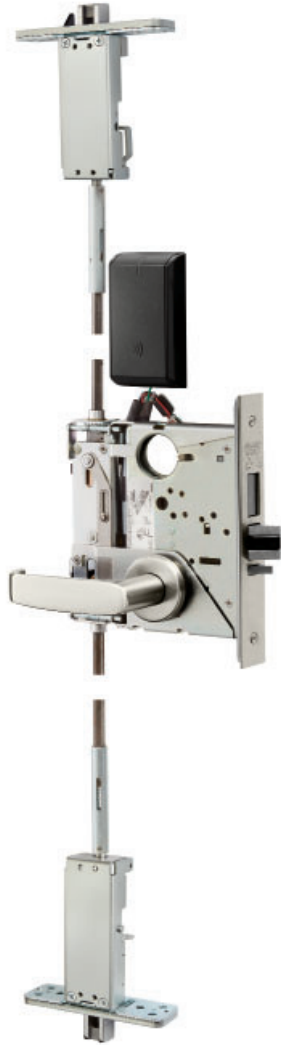
The order string for the EK1 mechanical exit trim is: EK1 x 706-5 x Lever x Finish x Hand.

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

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

²Gramercy levers are customized. See page 25 for ordering information.

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
- 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
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Blast certification information is listed in the Sargent 7300 Series catalog

Shipping Weight: Approx. 11 lbs.

IN Series Multi-Point Lock Functions

- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Low battery, latch, guardbolt 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.

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"

Function

- 73277 Deadbolt, no key override
- 73276 Key override with deadbolt

Reader

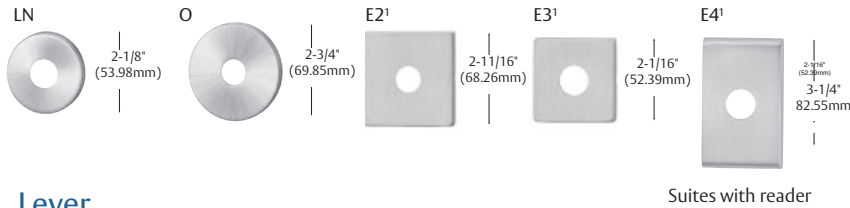
- B Black reader, black trim
- W White reader, white trim
- MB Black reader, metal trim
- MW White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

IN100

Aperio® Wireless Access Control

Rose



Suites with reader

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 21-23.

MD



MJ



MI



ND²



NJ²



MW²



Premium Levers

RAS³



REM³



Finish

03	Bright brass (ANSI 605)	14	Bright nickel, clear coated (ANSI 618)
04	Satin brass (ANSI 606)	15	Satin nickel, clear coated (ANSI 619)
09	Bright bronze (ANSI 611)	20D	Dark statuary bronze, clear powder coat
10	Satin bronze, clear powder (ANSI 612)	26	Bright chrome (ANSI 625)
10B	Oxidized satin bronze oil rubbed (ANSI 613)	26D	Satin chrome (ANSI 626)
10BE	Dark oxidized satin bronze — equivalent	32	Bright stainless steel (ANSI 629)*
10BL	Oxidized satin bronze, clear powder coat	32D	Satin stainless steel (ANSI 630)*

BSP	Black suede powder coat
WSP	White suede powder coat

Handing

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

*Metal reader trim (MB and MW) plated to match

Build Your Order String

Technology	Function*	Credentials	Reader	Rose	Lever	Finish	Handing
IN	100	7 3 2 7 7	B I P S				

*If Windstorm or Blast is required, add the following before the function code:

FM -Windstorm
BL - Blast

Example: FM73277, BL73277

If neither is required, use the function code as listed on page 16.

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

¹KA 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 25 or ordering information.

IN100

Aperio® Wireless Access Control

Alternate Power Options



Hard Power Option (91-)

The IN100 allows hard powering via an input of 12 to 24V DC and draws 200mA at 12V DC 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

Model	Description
3521	12V - 1 Amp power supply
3541	12V - 3 Amp power supply
3551	12V - 4.5 Amp power supply
3571	12V - 6 Amp power supply
737	12V - 5 Amp 1 hour backup battery

Model	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 1 hour backup battery

ElectroLynx® hinges and harnesses required for hard-powered IN100 applications are available through McKINNEY.

52-4824 91- Hard Power Kit

- Included with 91- prefix option IN100 units
- Allows for hard powering (91-) of IN100 (required for certain monitoring features)
- Compatible with ElectroLynx® system

Accessories

Cover Plate Kits

79-5000	IN Series mortise lock, 7976/82276(key override, with deadbolt), 32D finish
79-5001	IN Series mortise lock, 7977/82277 (no key override, with deadbolt), 32D
79-5002	IN Series mortise lock, 7978/82278 (key override, no deadbolt), 32D finish
79-5003	IN Series mortise lock, 7979/82279 (no key override, no deadbolt), 32D finish
10-5008	IN Series cylindrical lock, 10G77 (with key override), 32D finish

Aperio Configuration Kits

Aperio offers the flexibility to make field configurations easily and without any special equipment. Configuration adjustments can be made to the Aperio hub and Aperio locks using the Aperio Programming tool software and Aperio USB programming dongle from a Windows netbook or laptop with an available USB port.

- Requirements for Operation:
 - Laptop or Netbook with:
 - Windows 10
 - USB 2.0 port
- APA-10-PC Aperio Programming Application Tool Kit
 - USB Flash Drive
 - Programming Application Tool Software and License Files
 - Aperio Instructions (electronic files)
 - Trittech Tribee USB Radio Dongle (APD-10-USB)
 - HID iCLASS/Prox Card
- APD-10-USB Aperio Configuration USB Dongle
 - Trittech Tribee USB Radio Dongle
 - Included in APA-10-PC Kit
- 52-1635 USB cable
 - USB cable is a stand-alone item (sold separately)

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 Aperio® 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.

IN100

Aperio® Wireless Access Control

Aperio® Hub



The Aperio hub is available in a Mercury version for completely seamless integration into Mercury-based access control systems. Please contact your Mercury-based access control provider for ordering information.



The IN100 lock uses short distance wireless transmission (IEEE 802.15.4, 2.4 GHz) to communicate with an Aperio hub, which is connected to an access control system via IP, RS-485 or Wiegand.

Specifications:

- Wireless Communication: IEEE 802.15.4 (2.4 GHz)
- Wireless Range: 50-80 feet (depending on installed environment)
- EAC Communication: IP, RS-485 or Wiegand
- Power: Powered using Power over Ethernet (PoE) or external power supply (8-24VDC)
- Security: AES 128 encryption
- Operating Temperature: 41°F (5 °C) to 95°F (35 °C)
- Humidity: < 95% maximum (non-condensing)

Ordering Aperio Hubs

	SERIES	HARDWARE VERSION	HARDWARE CONFIGURATION	CONFIGURATION CODE*
	AH	20: Wiegand hub; 30: RS-485 hub; 40: IP hub	W14: Wiegand 1:1; R12: RS-485 1:8 (Mercury); or 1:16 (non-Mercury) IN2: IP 1:64	NNNN
Ex.:	AH	30	R12	NNNN

*NNNN is the standard configuration code for Aperio hubs. Access Control Partners should contact 800-810-WIRE for specific ordering information

Aperio Hub Accessories:

- EXT-10-ANT Aperio External Antenna

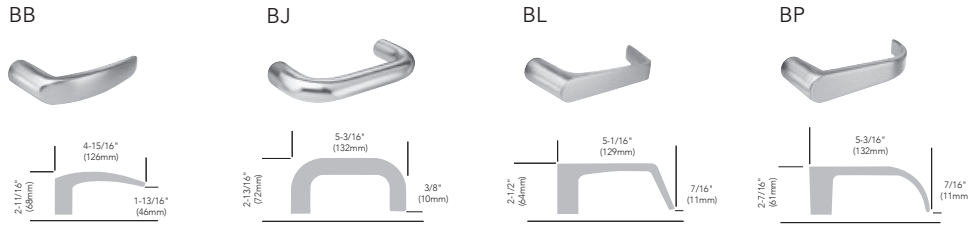
Aperio hubs are certified for use with the ASSA ABLOY external (omnidirectional) antenna EXT-10-ANT. The external antenna may be used to obtain more even radio coverage (in the form of a doughnut) around the hub. Please note that the antenna does not extend the maximum range of the Aperio hub.

Specifications:

- For indoor use only
- Operating Temperature: 32°F (0 °C) to 113°F (45 °C)
- Humidity: < 95% maximum (non-condensing)

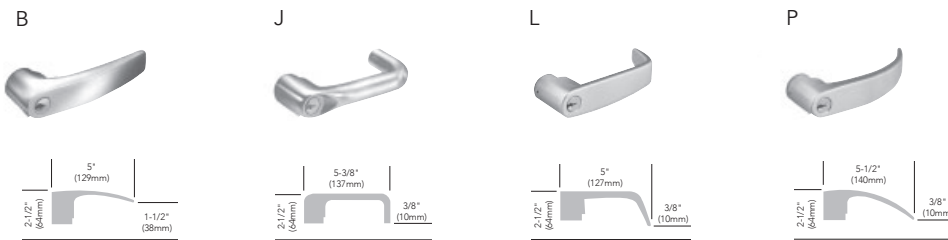
Standard Levers (7900 Series Mortise Locks and 80 Series Exit Devices)

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



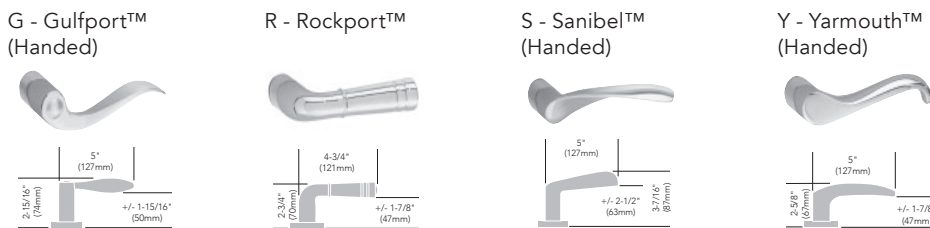
Standard Levers (10 Line Cylindrical Locks)

- 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



The Coastal Series™ (7900 Series Mortise Locks and 80 Series Exit Devices)

- All levers meet ADA compliance for national codes
- 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

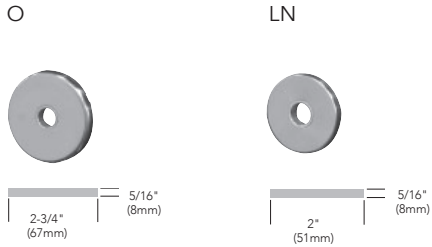


Standard lever options are only available with O roses.

IN100

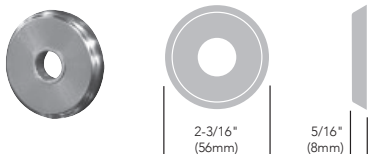
Aperio® Wireless Access Control

Standard Roses (7900 Series Mortise Locks)

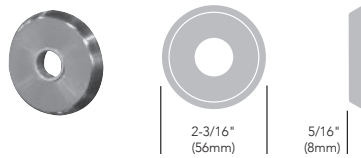


Coastal Series Roses (7900 Series Mortise Locks)

TR Traditional Rose
(Dual radii edge)

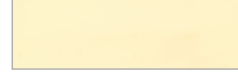


CR Contemporary Rose
(Beveled edge)



Available Finishes

03 Polished Brass



04 Satin Brass



09 Polished Bronze



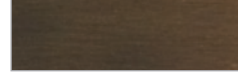
10 Satin Bronze



10B Oxidized Bronze



10BE Dark Oxidized Satin Bronze — equivalent



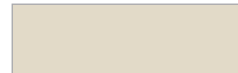
10BL Oxidized Satin Bronze



20D Statuary Dark Bronze



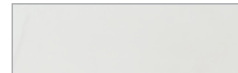
14 Polished Nickel



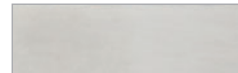
15 Satin Nickel



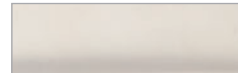
26 Polished Chrome



26D Satin Chrome



32 Polished Stainless Steel



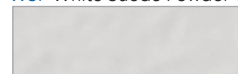
32D Satin Stainless Steel



BSP Black Suede Powder Coat



WSP White Suede Powder Coat



IN100

Aperio® Wireless 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 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



Aventura Series



Gramercy Series³



Centro Series



Odéon Series^{1,4} (Handed Levers)



Notting Hill Series (MA and MO are Non-Handed Levers)



Berlin Series



Grant Park Series (H008 is handed)



¹Contact factory for current lead times. Not available in stainless steel finishes.

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

³Gramercy levers are customized. See page 19 for ordering information.

See page 19 for ordering information

⁴Odéon Series are not available in 32D

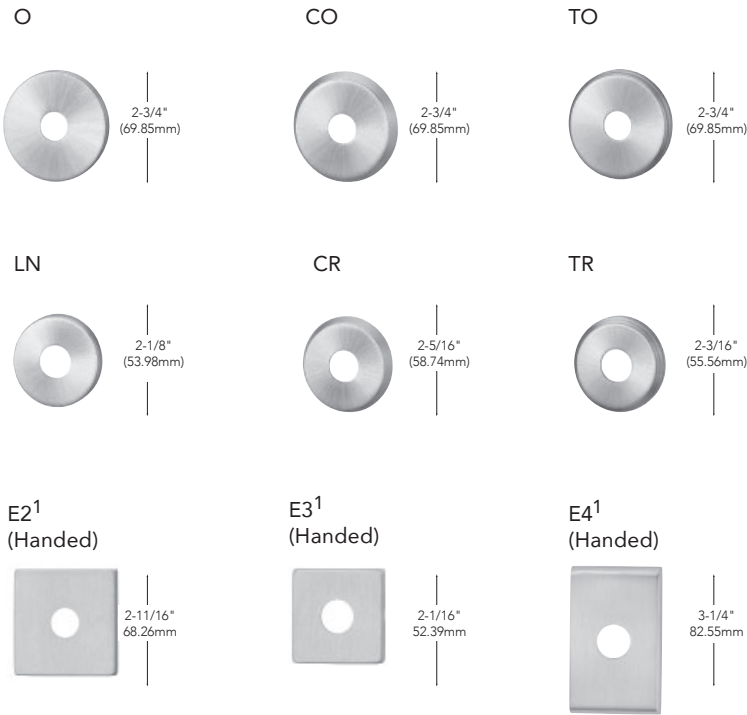
Note: H003 - H006 contains white or black polycarbonate insert

IN100

Aperio® Wireless Access Control

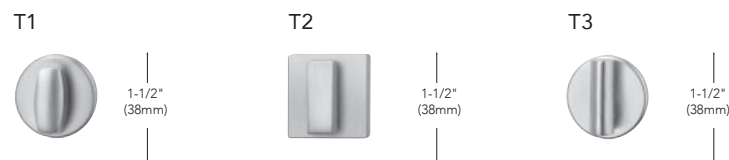
Studio Collection Trim

Roses (7900 Series)

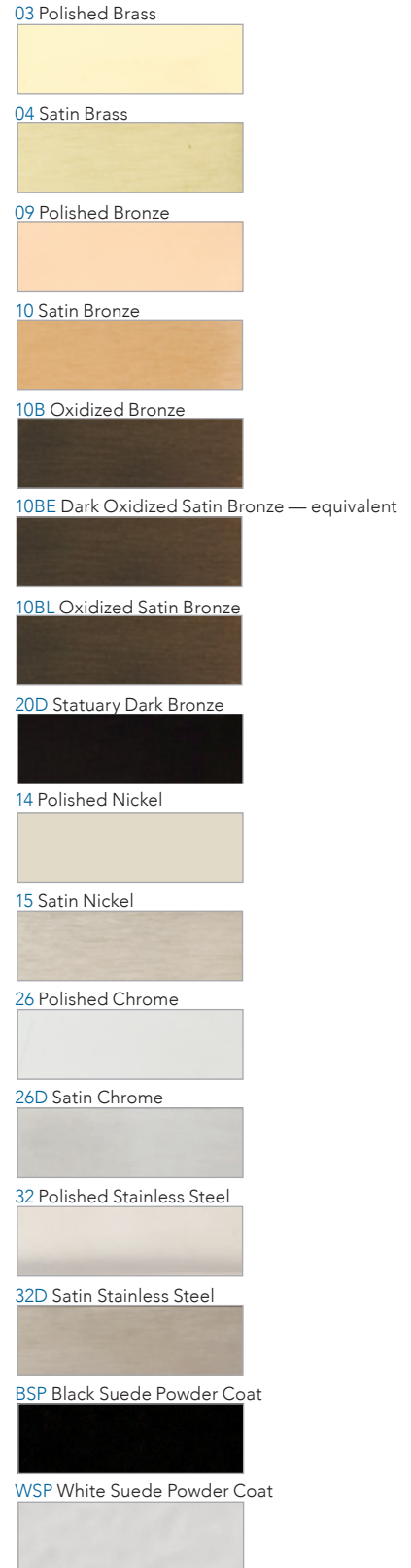


Thumbturns (7900 Series)

Thumbturn backplate will match rose design chosen. Specify T1, T2 or T3 as a prefix option for decorative turns.



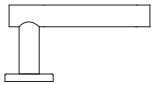
Available Finishes



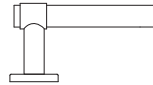
¹ 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

Ordering Gramercy Series Levers (7900 Series Mortise Locks and 80 Series Exit Devices)

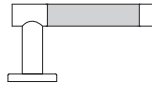
REM, RGM



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
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)
613E	10B	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat

*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	3E3E, BSBS, WSWS, 3030, OR 2929
RAL	Leather Insert	3EBK3E, 3EBN3E, BSBKBS, BSBNBS, WSBKWS, WSBNWS, 30BK30, 30BN30, 29BK29, OR 29BN29
RAM	Metallic Insert	2930** only
RAS	Santoprene Insert	3EBK3E, BSBKBS, WSBKWS, 30BK30, OR 29BK29
RCM	Raised Band	3E3E, BSBS, WSWS, 3030, 2929, or 2930**
REM	Plain	3E3E, BSBS, WSWS, 3030, OR 2929
RGM	Two Grooves	3E3E, BSBS, WSWS, 3030, 2929 OR 2930

**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.

IN100

Aperio® Wireless Access Control

SARGENT
ASSA ABLOY

Replacement Parts

Outside Escutcheon (Reader) & Controller & Inside Mounting Kit

IN-100-EM01-BIPS-B	Black
IN-100-EM01-BIPS-W	White
IN-100-EM01-BIPS-MB	Black with metal trim
IN-100-EM01-BIPS-MW	White with metal trim

Mounting Kit

IN100-EM04	IN100 inside mounting kit (mounting kit and hardware)
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Lockbodies

IN100-7976-[finish]*-[handing]	IN100 mortise lockbody with deadbolt and cylinder
IN100-7977-[finish]*-[handing]	IN100 mortise lockbody with deadbolt (no cylinder)
IN100-7978-[finish]*-[handing]	IN100 mortise lockbody with cylinder (no deadbolt)
IN100-7979-[finish]*-[handing]	IN100 mortise lockbody only (no deadbolt, no cylinder)
IN100-82276- [finish]*-[handing]	IN100 mortise lockboy with deadbolt and cylinder
IN100-82277- [finish]*-[handing]	IN100 mortise lockboy with deadbolt (no cylinder)
IN100-82278- [finish]*-[handing]	IN100 mortise lockboy with cylinder (no deadbolt)
IN100-82279- [finish]*-[handing]	IN100 mortise lockboy only (no deadbolt, no cylinder)
IN100 777-8 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for rim exit device without key override
IN100 778-8 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for rim exit device with key override
IN100 777 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for mortise exit device without key override
IN100 778 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for mortise exit device with key override
10-3452	IN100 cylindrical lockbody, standard cylinder
10-3453	IN100 cylindrical lockbody, LFIC (removable core)
10-3454	IN100 cylindrical lockbody, SFIC
10-3455	IN100 cylindrical lockbody, Keso
10-3456	IN100 cylindrical lockbody, Medeco Keymark LFIC & Schlage full size interchangeable core

* Select from finishes on page 22.

Inside Escutcheon (Battery Cover)

IN-100-EM02-B	Black
IN-100-EM02-W	White
IN-100-EM02-MB-[finish]*	Black with metal trim
IN-100-EM02-MW-[finish]*	White with metal trim

52-5374 Door Position Switch (DPS)

- SPDT concealed switch (3 wire)
- 3/8" diameter for wood door
- 3/4" diameter for metal door
-Metal door adapter included
- Supplied with IN100 cylindrical and mortise locks

Mechanical Options

STRIKE OPTIONS	28-	4-7/8" Strike #808. Lip length 1-1/4 (10 line only)
	WBS-	Wrought Box Strike
10 LINE BRACKET OPTIONS	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
SECURITY FASTENERS	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" LATCH THROW	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
TACTILE WARNING OPTIONS	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)
	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 Outside Lever
FINISH PROTECTION	CPC-	Clear Powder Coat (Available for 26, 26D, 32 and 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Not available with 10B Finish)
ELECTRICAL OPTIONS	91-	Power wiring harness
THUMBTURNS (SEE PAGE 16)	T1-	Decorative thumbturn; backplate matches rose design chosen
	T2-	Decorative square thumbturn; backplate matches rose design chosen
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen

* Select from finishes on page 16.

¹ Specify locktype/function (see pages 7-11 for more information): 7976, 7977, 7978, 7979, 10G77, 8877, 8878, 8977, 8978
Example: IN-100-EM017976-IP-MB-26D

Cylinder Options¹

DEGREE CYLINDERS	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
	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

¹Not available on EK1

Cylinder Options¹

¹ Not available on EK1

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

Cylinder Options¹

SMALL FORMAT INTERCHANGEABLE CORES	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10 line J lever not available)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombined 6-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombined 7-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
KESO & KESO F1	81-	Hardware provided with housings to accept Keso (83) and Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
BUMP RESISTANT	BR-	Bump Resistant Cylinder (Available with Conventional and Conventional XC Cylinders Only)
LESS CYLINDER	LC-	Hardware supplied less cylinder
ACCEPTS SCHLAGE CYLINDERS	30-	10 Line Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
SCHLAGE KEYWAYS	SC-	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

¹ Not available on EK1

IN100

Aperio® Wireless Access Control

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Notes

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, locks, perimeter fencing, access control and service.



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