aperio™

IN100

Aperio™ Wireless Access Control

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

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

The Corbin Russwin IN100 is part of the expanding ASSA ABLOY family of innovative products combining our proven mechanical locking devices with leading-edge technologies to provide integrated electronic access control solutions. As such, these products require training and certification for resellers and integrators to ensure proper product selection, successful deployment and customer satisfaction.

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 details.

Sold through:
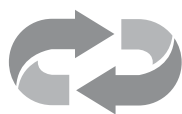
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Installed by:

Certified Integrator
ASSA ABLOY

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The IN100 offers the convenience and flexibility of Aperio® wireless technology with the real-time communication of online access control, enabling remote lock/unlock in less than 10 seconds. The IN100 also provides simultaneous support for multiple credential types and HID Mobile Access® powered by Seos®. Featuring integrated ANSI/BHMA Grade 1 hardware, the IN100 is ideal for a variety of applications such as schools and corporate office buildings.

Electronic Access
Control System

Access Control Panel

RS-485   Aperio Hub
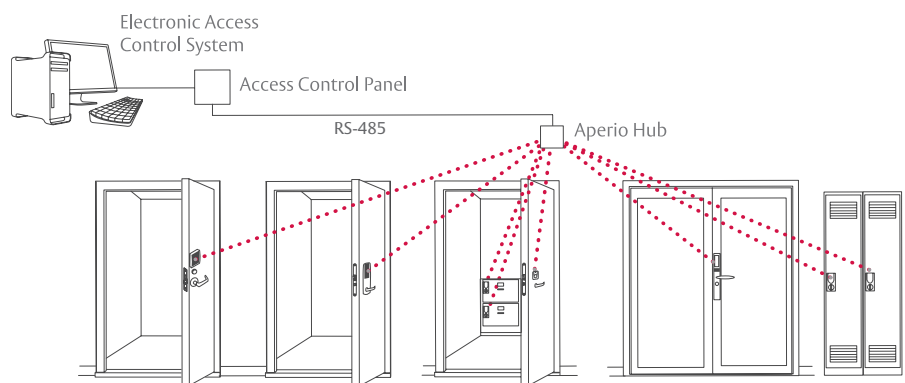
IP hub also available for direct connection to IT infrastructure

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Features	Benefits
Utilizes IEEE 802.15.4 wireless communication	• 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®	• Provides heightened security

	• Supports:
	  – A wide range of credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
	  – HID Mobile Access® powered by Seos®

Real-time communication	• 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*
Customizable feature set	• Select only the features you need
	• Easily add features as your requirements grow
Centralized decision making	• System capacities bounded by the EAC system, not the locking device
	• Access decisions based on the current system information
Privacy button*	• Enables shelter in place/local lockdown
	• Offers privacy capabilities for applications such as restrooms
Smart Credential Cache	• 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, and exit device configurations	• Flexibility to support various openings
	• Assurance of high quality Corbin Russwin hardware
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
	• 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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Credential Support:

IN100 locks feature HID® multiCLASS SE® technology to support the following credentials:

- 13.56 MHz credentials:
  – iCLASS®
  – iCLASS SE® (SIO-enabled)
  – iCLASS® Seos®
  – SIO on MIFARE® Classic
  – SIO on MIFARE DESfire® EV1
  – MIFARE Classic
  – DESfire EV1
  – NFC-enabled mobile phones
- 125 kHz credentials:
  – HID Prox®
  – Kantech ioProx
  – AWID
  – EM4102

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.
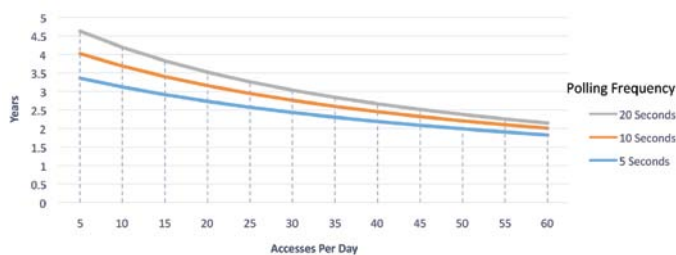
Software:

- Works with ASSA ABLOY Aperio 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.

  For assistance, email:

  OEMSupport_Group@assaabloy.com

Battery Life:

Cylindrical Locks & Exit Devices

Polling Frequency
— 20 Seconds
— 10 Seconds
— 5 Seconds

Mortise Locks

Polling Frequency
— 20 Seconds
— 10 Seconds
— 5 Seconds
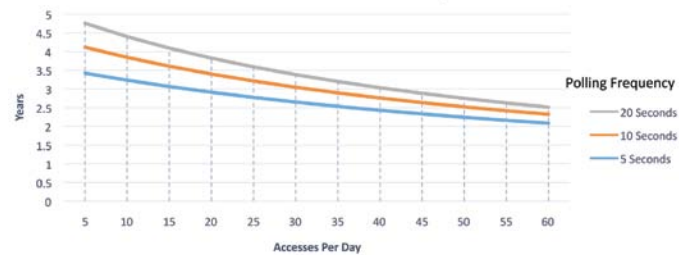
Battery life data was calculated using Duracell batteries.

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Mortise Lock
ML20100

The IN100 mortise lock has a clean, crisp design and is available with a variety of lever designs and hardware finishes. EcoFlex™ technology offers improved battery life.

Features

Handing
Handed; quick reversibility. The lockset can be re-handed without disassembling the lock body.

Door Thickness
1-3/4" (44mm) standard.
Optional 2" (50mm) to 2-1/4" (57mm); see Quick Code section.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge chrome plated steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x 3/32" (2mm). Accommodates non-beveled and beveled doors 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latch
Patented, quick, reversible 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm). U.S. Patent #6,349,982.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Hub
Steel, 5/16" (8mm).

Strike
Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available.

Cylinder
1000-118-A01, 6-pin, L4, keyed random, furnished standard for 1-3/4" (44mm) door.
Optional cylinders available.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Access 3
Access 3 IC
Pyramid
Pyramid IC

Environmental Specifications
Operating Temperature:
-13°F (-25°C) to 151°F (66°C)

Operating humidity:
5% to 95% relative humidity non-condensing

Monitoring
- Request to Exit
- Door Position (external)

Warranty
10-year limited mechanical.
2-year limited electrical.

Shipping Weight
Approx. 11 lbs.

Certification/Compliance

ANSI
Meets A156.13, Grade 1 requirements.
Meets A117.1 Accessibility Code.
Meets A156.25 requirements.

UL /ULC-UL10C Positive Pressure

All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. 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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Build your order string:

				Required Options			Other Options
Function	Trim	Finish	Handing	Technology Code	Reader Code	Reader Modifier	Cylinder, Strike, Door Thickness
ML201_ _	_ _ _	_ _ _	_ _ _	IN100	_ _ _	_ _	_ _ _ _

For finish, additional cylinder, and/or mechanical options, please refer to page 9.

Series/Function	Type	Function Description
ML20133 No Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered
ML20134 With Key Override No Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside retracts latch • No deadbolt function
ML20135 No Key Override With Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered
ML20136 With Key Override With Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever and deadbolt at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside projects or retracts deadbolt and retracts latch

Reader Code	Credentials
IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, Kantech ioProx, NFC-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1*

* IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.

Note: If your site is planning to use multi-technology cards, please contact 800-810-WIRE for more information.

Reader Modifier	Description
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.

Technology Code	Description
IN100	Aperio Wireless

Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E

Description	Specify
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Black Oxidized Bronze, Oil Rubbed	722

Description	Specify
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*

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

Roses

The roses shown are some of our most popular styles. To see the complete list of available roses, refer to page 18.

T	X	E2	E3	E4[1]

Levers

The levers shown here are some of our most popular styles from the Muséo Collection. To see the complete range of levers, refer to pages 16-19.

102   103   110

124[2]   125[2]   123[2]

Premium Levers

21M   21S   133   134   136   138

1 Rose design suites with IN220 reader.
2 Lever returns within 1/2" (13 mm) of door face.

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Quick Codes

ML20100 IN100 Mortise Locks

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Access 3® Patented	AP
Access 3® Security	AS
Access 3® High Security	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Eyed (not available for Pyramid)	CMK
Visual Key Control	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3

Cylinders and Keying (Cont.)

Description	Specify
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*
Black Oxidized Bronze, Oil Rubbed	722

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

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only*	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only*	M25

*Not available with Vineyard or Museo levers.

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
1-7/8" (48mm)	D178
2" (51mm)	D200
2-1/8" (54mm)	D218
2-1/4" (57mm)	D214

Strikes

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	N/A
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300
Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike - Specify		SR118

Thumbturns

Description	Specify
Decorative	MT1
Decorative Square	MT2
Decorative Cylinder	MT2

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR
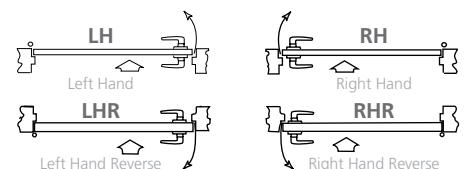
LH — Left Hand   RH — Right Hand
LHR — Left Hand Reverse   RHR — Right Hand Reverse

Note: Arrow indicates secure side of door.

CL33100 IN100 Cylindrical Lock

The IN100 CL33100 design provides uniformity when used with other Corbin Russwin CL3300 locks at a facility. The product features four different lever designs, seven hardware finishes and cylinder override.

Cylindrical Lock
CL33100

Features

Non-handed

Door Thickness
1-3/4" (44mm) to 2" (50mm) standard, 2" (50mm) to 2-1/4" (57mm) optional

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Backset
2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm).

Latchbolt
Stainless steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors.

Auxiliary Latchbolt
Deadlocking latchbolt prevents manipulation when door is closed.

Front
Wrought brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates non-beveled and beveled doors 1/8" (3mm) in 2" (51mm). Optional: rounded corners.

Strike
Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Access 3
Access 3 IC
Pyramid
Pyramid IC

Environmental Specifications
- Operating temperature:
  -13°F (-25°C) to 151°F (66°C)
- Operating humidity: 5% to 95% relative humidity non-condensing

Keys
Two nickel silver standard.

Key Override
Standard not available with non-key override.

Monitoring
- Request to Exit (Non-Handed)
- Door Position Switch (Supplied and mounted above the lock. Connects directly into the lock's electronics.)

Warranty
7-year limited mechanical;
2-year limited electrical.

Shipping Weight
Approx. 11 lbs.

Certification/Compliance

ANSI/BHMA
Meets A156.2 Grade 1 requirements.

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. 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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How to Order

CL33100 IN100 Cylindrical Lock

Build your order string:

Function	Trim	Finish	Handing	Required Options			Other Options
				Technology Code	Reader Code	Reader Modifier	Cylinder, Strike, Door Thickness
CL33134	_ _ _	_ _ _	_ _ _	IN100	_ _	_ _	—

For finish, additional cylinder, and/or mechanical options, please refer to page 12.

Series/Function	Type	Function Description
CL33134 With Key Override	Entry	• Latch retracted by inside lever at all times. • Key outside retracts latch. • Outside lever locked (freewheeling) except when in "passage" mode or valid user code entered.

Quick Codes

Reader Code	Credentials
IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, Kantech ioProx, NFC-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1*

* IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.

Note: If your site is planning to use multi-technology cards, please contact 800-810-WIRE for more information.

Reader Modifier	Description
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).

Technology Code	Description
IN100	Aperio wireless

Available Trim Options

Standard

Lever	D Rose
Armstrong	AZD
Newport	NZD
Princeton	PZD

Armstrong   Newport*   Princeton*

Vineyard™

	D Rose
Frascati	FZD

Frascati

*Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

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Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
0-Bitted with 2 Blank Keys	(standard)
Keyed Random	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No Bitting or Keyset Stamping on Keys	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for CHS, CHS, PHS or PCHS)	VKC3
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)
Schlage® C Keyway cylinder[1]	C
Schlage® LA Keyway cylinder[2]	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Black Oxidized Bronze, Oil Rubbed	722
Satin Chrome with MicroShield®	626C

Strikes

Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300

Rabbeted front and strike   Specify SR118

Door Thickness

Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2" (51mm) - 2-1/4" (57mm)	D214

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type core (NZD & PZD designs only)	M08
Lever to accept Sargent® cylinder (NZD & PZD design only)	M09
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20
Knurling outside only	M21
Knurling inside only	M22
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Lever to accept Schlage® interchangeable core (NZD & PZD design only)	M69

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ED5000 Exit Device
With 9100 Series Trim

Features

EcoFlex™ Technology
Reduces energy consumption by up to 95%

Handing
Device is handed but easily field reversible. Lever trim is handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
Rim: 3/4" (19mm) throw stainless steel pullman-type latchbolt with stainless steel auxiliary deadlocking latch standard
SecureBolt: 3/4" (19mm) projection x 1" wide deadbolt- style latchbolt with positive deadlocking by auxiliary bolt
Mortise: 2-piece mechanical 3/4" throw deadlocking stainless steel latchbolt

Monitoring
Request to Exit (Non-Handed)
Door Position Switch (Supplied and mounted above the lock. Connects directly into the lock's electronics.)

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging. Optional: less dogging, specify M51. Optional: cylinder dogging, specify M52. Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Optional strikes available; see Options and Accessories, page 16.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 16.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 2, Grade 1.
UL /cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 8' double doors; UL symbol on active case cover indicates listing.

Any retrofit or other field modification to a fire- rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. 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.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows. ADA Lever trims and pulls comply with Americans with Disabilities Act.

ED5000N IN100 Exit Devices

Build your order string:

Exit Device Only

Series/Function	Finish	Handing	Technology Code	Misc. Options	Door Width
ED5634LN	630	LHR	IN100	M51-M54	W048

Trim Only

Lever/Function	Finish	Handing	Technology Code	Reader Code	Reader Modifier	Cylinder	Door Thickness
N9M134	630	LHR	IN100	IPS	B	6P	D214

Exit Device with Trim

Series Function	Lever Function	Finish	Handing	Technology Code	Reader Code	Reader Modifier	Cylinder	Door Thickness	Door Width
ED5634LN	N9M134	630	LHR	IN100	IPS	B	6P	D214	W048

Series/Function	Type	Function Description
ED5200(A)N & ED5200S(A)N x 9133	Rim Exit Device No Key Override	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered
ED5200(A)N & ED5200S(A)N x 9134	Rim Exit Device With Key Override	• Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered • Outside cylinder override allows lever to retract latch
ED5633(A)LN x 9M133	Mortise Exit Device No Key Override	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered
ED5634(A)LN x 9M134	Mortise Exit Device With Key Override	• Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered • Outside cylinder override retracts latch

Reader Code	Credentials
IP	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, Kantech ioProx, NFC-enabled mobile phones
IPS	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1*

* IPS allows use of smart cards with user defined encryption and encoding, from HID or other third party suppliers.

Note: If your site is planning to use multi-technology cards, please contact 800-810-WIRE for more information.

Reader Modifier	Description
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).

Technology Code	Description
IN100	Aperio wireless

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Finishes

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E

Description	Specify
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629*
Satin Stainless Steel	630*

Description	Specify
Satin Stainless Steel with MicroShield®	630C*
Black Oxidized Bronze, Oil Rubbed	722

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

Levers
The levers shown here are some of our most popular styles from the Muséo Collection. To see the complete range of levers, refer to pages 26-28.

102

103

110

124[1]

125[1]

123[1]

Premium Levers

21M

21S

133

134

136

138

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

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Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Access 3® Patented	AP
Access 3® Security	AS
Access 3® High Security	AHS
Access 3® Patented IC	ACP
Access 3® Security IC	ACS
Access 3® High Security IC	ACHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Eyed (not available for Pyramid)	CMK
Visual Key Control	
- No Keying Data Stamped on Key or Cylinder	VKC0
- Keys Only	VKC1
- Cylinders and Keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders Only (not for HS, CHS, PHS or PCHS)	VKC3

Cylinders and Keying (Cont.)

Description	Specify
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Cylinder	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Stainless Steel	629*
Bright Stainless Steel	630*
Satin Stainless Steel with MicroShield®	630C*
Black Oxidized Bronze, Oil Rubbed	722

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

Strikes

Description	Specify
Rim strike S02	S02
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	(standard)
48" (1219mm)	W048

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

LHR — Left Hand Reverse RHR — Right Hand Reverse

Note: Arrow indicates secure side of door.

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Windstorm	M107
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only*	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only*	M25
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Shim kit (for vision light)	M58
Wood screws for use on fire-rated solid wood or wood core doors	M64

*Not available with Vineyard or Museo levers.

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Cover Plate Kits

Description	Part Number
IN Series mortise lock, ML20133 (no key override, no deadbolt)	784F137 32D
IN Series mortise lock, ML20134 (key override, no deadbolt)	784F147 32D
IN Series mortise lock, ML20135 (no key override, with deadbolt)	784F157 32D
IN Series mortise lock, ML20136 (key override, with deadbolt)	784F167 32D
IN Series cylindrical lock, CL33134 (with key override)	784F177 32D

Alternate Power Options

Hard Power Option (M35)

The Hard Power option (Quick Code M35) is recommended for high traffic doors or openings that require online behavior. Hard powering an IN100 allows the lock to operate in an always connected mode. The IN100 allows hard powering via an input of 12 to 24V DC and draws 200mA at 12V DC in always connected mode. Corbin Russwin offers a range of power supplies suitable for this application.

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Model	Description
BPS-24-1	Power supply 1.0 amp @ 24 VDC output
BPS-24-2	Power supply 2 amp @ 24 VDC output
BPS-24-4	Power supply 4 amp @ 24 VDC output
BPS-12-1	Power supply 1 amp @ 12 VDC output
BPS-12-3	Power supply 3 amp @ 12 VDC output

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

784F199 Hard Power Kit

- Included with M35 option IN100 units
- Allows for hard powering (M35) of IN100 (required for certain monitoring features)
- Compatible with ElectroLynx® system

Securitron PowerJump® ICPT

The IN100 can also be used with the Securitron PowerJump® ICP (Inductive Coupling Power Transfer) to port power contactlessly and invisibly across the door gap. Available through Securitron.

Options & Accessories

IN100 Aperio™ Wireless Access Control

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 programing dongle from a Windows netbook or laptop with an available USB port.

- Requirements for Operation:
  - Laptop or Netbook with:
    - Windows 7, 8, 8.1, 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)
    - Tritech Tribee USB Radio Dongle (APD-10-USB)
    - HID iCLASS/Prox Card

- APD-10-USB Aperio Configuration USB Dongle
  - Tritech Tribee USB Radio Dongle
  - Included in APA-10-PC Kit

- 783F909 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.

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Options & Accessories
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 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; IN2: IP 1:16	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 (omni-directional) 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)

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Standard	Lever	A Rose	B Rose	F Rose
	Armstrong	ASA	ASB	ASF
	Newport	NSA	NSB	NSF
	Princeton	PSA	PSB	PSF
	Citation	CSA	CSB	CSF
	Dirke	DSA	DSB	DSF
	Essex	ESA	ESB	ESF
	Lustra	LSA	LSB	LSF
	Regis	RSA	RSB	RSF

Armstrong

Citation

Dirke

Essex*

Lustra

Newport*

Princeton*

Regis

Vineyard™		G Rose
	Frascati	FSG
	Merlot	MSG
	Zinfandel	ZSG

Frascati

Merlot

Zinfandel

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The Muséo® Line

Josef						
	133	134	135	136	137	138

Georges					
	139	140	141	142	143

Georgia						
	101	102	103	104	124*	125*

Salvador						
	106	107	108	109	110	123*
	128*					

Marc						
	111	112	113	114	115	116
	130*	131*	132*			

Pablo		
	117	126*

Jackson					
	105	119	121	122	127*

Piet							
	21L	21G	21M	21S	21W	23M	25M	27M

*Complies with codes requiring lever to return to within 1/2 " (13mm) of door face.
Note: 135-138 levers contain white or black polycarbonate insert.

How to Order the Muséo® Piet Levers

IN100 Mortise Locks and Exit Devices

| Grooved Insert 21G | Leather Insert 21L | Polished with Satin Insert 21M | Santoprene™ Insert 21S | Wood Insert 21W | With Raised Band 23M | Plain 25M | Plain with Two Grooves 27M |

Piet Finish Codes

BHMA Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
N/A	BH	Wood insert
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	292929 or 303030
21L	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
21M	Metallic Insert	293029** only
21S	Santoprene Insert	29BK29 or 30BK30
21W	Wood Insert	29BH29 or 30BH30
23M	Raised Band	290029, 300030 or 290030**
25M	Plain	290029 or 300030
27M	Two Grooves	290029 or 300030

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: E2, E3, E4, T, U, V, W, X, Y

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand	Thumbturn Options
2	ML20134	21LU	29BK29	629	RH	MT3
1	ML20136	23ME3	290030	629	RH	MT3

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The Muséo® Line Roses[1]

V Rose
Wrought
2-3/4 "
69.85mm
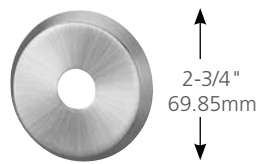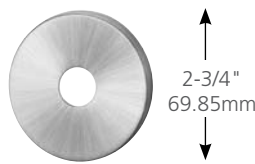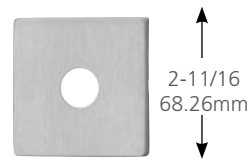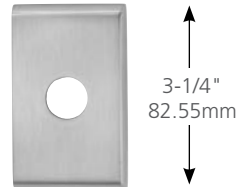
U Rose
Wrought
2-3/4 "
69.85mm

T Rose
Wrought
2-3/4 "
69.85mm

E2 Rose[2]
Wrought
2-11/16
68.26mm

E4 Rose[2]
Wrought
3-1/4 "
82.55mm

Y Rose
Wrought
2-3/16 "
55.56mm

W Rose
Wrought
2-5/16 "
58.74mm
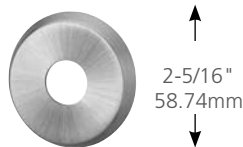
X Rose
Wrought
2-1/8 "
53.98mm
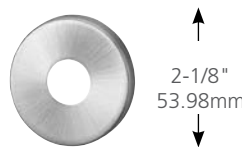
E3 Rose[2]
Wrought
2-1/16
52.39mm

Thumbturns[3]

Specify quick code MT1, MT2, or MT3 for decorative turns. Standard thumbturn will be supplied without quick code.

MT1
1-1/2 " dia
38.1mm

MT2
1-1/2 "
38.1mm

MT3
1-1/2 " dia
38.1mm
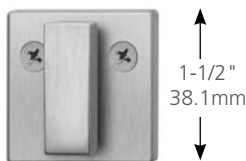
Notes:
1. Roses trim are only available with Muséo levers.
2. Square cylinder collar and thumbturn back-plate automatically supplied with E2, E3, and E4 roses.
3. Thumbturn back plate will match shape of rose chosen (i.e. round or square).

Finishes

605 Polished Brass, Clear Coated	606 Satin Brass, Clear Coated	611 Polished Bronze, Clear Coated	612 Satin Bronze, Clear Coated	613 Dark Oxidized Satin Bronze - Oil Rubbed
613E - Dark Oxidized Satin Bronze - Equivalent	618 Polished Nickel	619 Satin Nickel	625 Polished Chrome	626 Satin Chrome
626C Satin Chrome with MicroShield®	629 Satin Stainless Steel	630 Bright Stainless Steel	630C Satin Stainless Steel with MicroShield®	722 Black Oxidized Bronze, Oil Rubbed

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Catalog Number	Description	Color
Outside Escutcheon (Reader) & Controller		
IN-100-EM01[locktype]¹-IP-B	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, Kantech ioProx, NFC-enabled mobile phones	Black
IN-100-EM01[locktype]¹-IP-W	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, Kantech ioProx, NFC-enabled mobile phones	White
IN-100-EM01[locktype]¹-IP-MB-[finish]**	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, Kantech ioProx, NFC-enabled mobile phones	Black with metal trim
IN-100-EM01[locktype]¹-IP-MW-[finish]**	HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESfire® EV1 SE, HID Prox®, Kantech ioProx, NFC-enabled mobile phones	White with metal trim
IN-100-EM01[locktype]¹-IPS-B	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1	Black
IN-100-EM01[locktype]¹-IPS-W	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1	White
IN-100-EM01[locktype]¹-IPS-MB-[finish]**	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1	Black with metal trim
IN-100-EM01[locktype]¹-IPS-MW-[finish]**	All credentials supported by the IP option plus MIFARE Classic and DESfire EV1	White with metal trim

Catalog Number	Description	Color
Inside Escutcheon (Battery Cover)		
820F489	Inside escutcheon	Black
820F499	Inside escutcheon	White
820F525 [finish]**	Inside escutcheon	Black with metal trim
820F535 [finish]**	Inside escutcheon	White with metal trim

Catalog Number	Description
820F609	IN100 door position switch
IN-100-EM04	Inside mounting kit (mounting plate and hardware)
783F909	USB cable, 10 ft.

Catalog Number	Description
Lock Bodies¹	
784F848 [handing]* 26D	IN100 ML20133/ML20134 Mortise lock, no deadbolt
784F858 [handing]* 26D	IN100 ML20135/ML20136 Mortise lock, with deadbolt
785F628	IN100 CL33134 Cylindrical lock, fixed core cylinder
785F638	IN100 CL33134 Cylindrical lock, removable core cylinder (LFIC or SFIC)

Catalog Number	Description
Exit Device Replacement Parts	
N9133 [handing]* [finish]** IN100	Rim exit trim without cylinder
N9134 [handing]* [finish]** IN100	Rim exit trim with cylinder
N9M133 [handing]* [finish]** IN100	Mortise exit trim without cylinder
N9M134 [handing]* [finish]** IN100	Mortise exit trim without cylinder

*Replace with handing (L, LR, R, RR)
** Select from finishes on page 18
1. Specify lock type/function (see pages 7 and 11 for more information): ML20133, ML20134, ML20135, ML20136, CL33134
Example: IN-100-EM01ML20135-IP-MB-626

1.1 IN100 CL33100 Series Cylindrical Locksets
Wireless Access Control Cylindrical Locks

A. Aperio Access Control Cylindrical Locks to be CL33100 Series as manufactured by Corbin Russwin Manufacturing of Berlin, CT.

B. BHMA certified extra heavy duty, lever type cylindrical lock conforming to ANSI 156.2 Series 4000, Grade 1 standard and ANSI A117.1 accessibility guidelines. Motorized locking control of lever handle trim (solenoids not acceptable) with 1/2" anti-friction deadlocking latch, UL listed and labeled for up to 3 hour fire rated openings.

   1. Backset: 2-3/4 inches

C. Wireless access control locking devices interface using local wireless connection between the lock and a nearby communications hub connecting via RS-485, IP or Wiegand to an online electronic access control system.

D. Fully-encrypted AES 128 wireless communication between lock and communication hub (IEEE 802.15.4, 2.4 GHz) with no proprietary programming device requirements. Locks can operate independent of wireless connection or upstream power failure.

E. Integrated reader supports HID® 125 kHz proximity credentials or ISO 14443 A/B and ISO 15693 13.56 MHz contactless credentials: HID® iCLASS / iCLASS SE (full authentication, all formats), MIFARE Classic and DESFire EV1 (full authentication, all formats); NFC (Near Field Communications) and HID® SIO Enabled™.

   1. Valid/ invalid credential presentation viewable by means of LED indicators on outside escutcheon.

F. Environmental Conditions: Conformally coated weather resistant electronic controller shall meet the following minimum requirements:

   1. Operating temperature: -13°F (-25°C) to 151°F (66°C)

   2. Operating humidity: < 85% non-condensing

G. Provide Lock Installation Tool and USB Radio Dongle for initial lock setup and programming over the air or via USB connection.

H. Monitoring: Software accessible monitoring (via SDK) of inside lever handle (Request-to-Exit), door position switch (DPS) integral to the lock (door open/closed status), forced door, unknown card, door held open, battery and tamper.

   1. Standard privacy function initiated from push button on inside escutcheon and cancelled upon activation of valid Request-To-Exit (REX) or user defined credentials.

     a. Activation of privacy function is indicated by LED notification on inside escutcheon.

     b. Redundant actuation of privacy button does not deactivate privacy mode.

I. Emergency override access capability by mechanical key cylinder retraction of lock latch bolt without electronic activation necessary.

J. Inside lever retracts latch bolt.

K. Power Source: Powered by 6 AA alkaline batteries with LED indication of locked, programming mode and low capacity warning status conditions.

   1. Optional hard power by means of 12-24 VDC power supply.

L. Cylinders: Reference 2.04 Keying for keying requirements

Sold through:

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1.2 IN100 ML20100 Series Mortise Locksets
Wireless Access Control Mortise Locksets

A. Wireless Access Control Mortise Locks to be ML20100 Series as manufactured by Corbin Russwin Manufacturing Company of Berlin, CT.

B. BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI 156.13 Series 1000, Grade 1 standard and ANSI A117.1 accessibility guidelines. Motorized locking control of lever handle trim (solenoids not acceptable) with 3/4" anti-friction deadlocking latch and 1" steel deadbolt with hardened insert. UL listed and labeled for up to 3 hour fire rated openings.

C. Wireless access control locking devices interface using local wireless connection between the lock and a nearby communications hub connecting via RS-485, IP or Wiegand to an online electronic access control system.

D. Fully-encrypted AES 128 wireless communication between lock and communication hub (IEEE 802.15.4, 2.4 GHz) with no proprietary programming device requirements. Locks can operate independent of wireless connection or upstream power failure.

E. Integrated reader supports HID® 125 kHz proximity credentials or ISO 14443 A/B and ISO 15693 13.56 MHz contactless credentials: HID® iCLASS / iCLASSSE (full authentication, all formats), MIFARE Classic and DESFire EV1 (full authentication, all formats); NFC (Near Field Communications) and HID® SIO Enabled™.

   1. Valid/ invalid credential presentation viewable by means of LED indicators on outside escutcheon.

F. Environmental Conditions: Conformally coated weather resistant electronic controller shall meet the following minimum requirements:

   1. Operating temperature: -13°F (-25°C) to 151°F (66°C)

   2. Operating humidity: < 85% non-condensing

G. Provide Lock Installation Tool and USB Radio Dongle for initial lock setup and programming over the air or via USB connection.

H. Monitoring: Software accessible monitoring (via SDK) of inside lever handle (Request-to-Exit), door position switch (DPS) integral to the lock (door open/closed status), forced door, unknown card, door held open, battery and tamper.

   1. Standard privacy function initiated from push button on inside escutcheon and cancelled upon activation of valid Request-To-Exit (REX) or user defined credentials.

      a. Activation of privacy function is indicated by LED notification on inside escutcheon.

      b. Redundant actuation of privacy button does not deactivate privacy mode.

I. Emergency override access capability by mechanical key cylinder retraction of lock latch bolt without electronic activation necessary.

J. Inside lever retracts latch bolt.

K. Power Source: Powered by 6 AA alkaline batteries with LED indication of locked, programming mode and low capacity warning status conditions.

   1. Optional hard power by means of 12-24 VDC power supply.

L. Cylinders: Reference 2.04 Keying for keying requirements

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1.1 IN100 ED5000N Exit Devices
Wireless Access Control Exit Devices

A. Aperio Access Control Rim & Mortise Exit Devices to be IN100 ED5000N Series as manufactured by Corbin Russwin Manufacturing of Berlin, CT.

B. BHMA certified exit devices conforming to ANSI 156.3, Grade 1 standard and ANSI A117.1 accessibility guidelines. Electronic motorized locking control of the outside trim (solenoids not acceptable) contained completely within the body of the outside trim control. U.L. listed and labeled for either panic or "Fire Exit Hardware" for use on up to 3 hour fire rated openings.

   1. Mortise Exit Devices shall utilize a ¾" anti-friction deadlocking latch and 1" case-hardened steel deadbolt with a 2-3/4" Backset.

C. Wireless access control locking devices interface using local wireless connection between the lock and a nearby communications hub connecting via RS-485, IP or Wiegand to an online electronic access control system.

D. Fully-encrypted AES 128 wireless communication between lock and communication hub (IEEE 802.15.4, 2.4 GHz) with no proprietary programming device requirements. Locks can operate independent of wireless connection or upstream power failure.

E. Integrated reader supports HID® 125 kHz proximity credentials or ISO 14443 A/B and ISO 15693 13.56 MHz contactless credentials: HID® iCLASS / iCLASS SE (full authentication, all formats), MIFARE Classic and DESFire EV1 (full authentication, all formats); NFC (Near Field Communications) and HID® SIO Enabled™.

   1. Valid/ invalid credential presentation viewable by means of LED indicators on outside escutcheon.

F. Environmental Conditions: Conformally coated weather resistant electronic controller shall meet the following minimum requirements:

   1. Operating temperature: -13°F (-25°C) to 151°F (66°C)

   2. Operating humidity: < 85% non-condensing

G. Provide Lock Installation Tool and USB Radio Dongle for initial lock setup and programming over the air or via USB connection.

H. Monitoring: Software accessible monitoring (via SDK) of inside push rail (Request-to-Exit), door position switch (DPS) integral to the lock (door open/closed status), forced door, unknown card, door held open, battery and tamper.

   1. Standard privacy function initiated from push button on inside escutcheon and cancelled upon activation of valid Request-To-Exit (REX) or user defined credentials.

     a. Activation of privacy function is indicated by LED notification on inside escutcheon.

     b. Redundant actuation of privacy button does not deactivate privacy mode.

I. Emergency override access capability by mechanical key cylinder retraction of lock latch bolt without electronic activation necessary.

J. Inside push bar retracts latch bolt for free egress.

K. Power Source: Powered by 6 AA alkaline batteries with LED indication of locked, programming mode and low capacity warning status conditions.

   1. Optional hard power by means of 12-24 VDC power supply.

L. Cylinders: Reference 2.04 Keying for keying requirements

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leader in door opening solutions,
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In U.S.
Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada
ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

For more information regarding Corbin Russwin Locksets,
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