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SCHLAGE

Schlage[®] wireless locks



Overview

Introducing the newest members of the Schlage wireless lock family

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Internationally known for superior quality, innovation, and style, Schlage is the leader that spans residential, multi-family and commercial door hardware. This wide portfolio includes electronic and mechanical locks and access control hardware.

This sales resource guide will focus on two of the newest members of the Schlage family, the NDE and LE wireless locks.



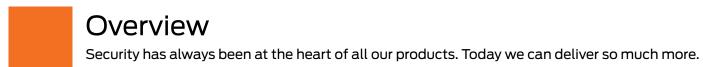












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Schlage ND Cylindrical

- + Electronic Features
- = Schlage NDE



Schlage L Mortise

- + Electronic Features
- = Schlage LE

Schlage NDE and LE wireless locks:

Grade 1 mechanical security

PLUS

Built-in credential reader, Bluetooth®, and Wi-Fi

EQUALS

A new level of efficiency & convenience

Click here to view the video.





Schlage® wireless locks



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Economical wireless solutions that can be applied in commercial, institutional and multi-family facilities

- Schlage NDE cylindrical doors
- Schlage LE mortise doors

Suited Grade 1 solutions

Mechanical, wired electrified, and wireless electronic options to address a wide range of applications

Designed to complement traditional EAC solutions

Wireless installation makes it easy to retrofit and extend EAC deeper into the building

Utilizes electronic credentials which can be quickly added and revoked from anywhere

- Compatible with 125 kHz proximity as well as 13.56 MHz smart credentials from Allegion
- Convenient options include cards, fobs, PVC disks, and wearable wristbands

Connectivity options to fit new or existing infrastructure

- Standalone with ENGAGE™ cloud-based web and mobile apps
 - Local, Wi-Fi and No-Tour
- Networked with Software Alliances
 - · Wi-Fi, No-Tour, RS-485, IP



NDE Cylindrical



LE Mortise







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Benefits for End Users

Upgrade to Schlage NDE and LE wireless electronic locks for increased efficiency and convenience



Reduce the time and costs associated with managing keys due to frequent turnover



Mitigate risks associated with lost or stolen keys, provides a detailed audit of events



Enhance security with more visibility and control



Increase satisfaction by enabling convenient card access to shared spaces



Increase efficiency by enabling updates to occur from virtually anywhere



Integrates seamlessly into existing EAC systems

Click here to download the end user brochure





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Benefits for Locksmiths

Broaden your portfolio of solutions with Schlage NDE & LE wireless electronic locks



Reduces installation time and disruption; especially in concrete construction, solid ceilings and remote locations



Ability to leverage existing credentials deeper in the building creates opportunity for additional reoccurring revenue



Widen your portfolio to win more jobs with a cost effective solution targeted at interior doors



Integrates seamlessly with mechanical key system



Increase efficiency by connecting more doors in less time; cloud-based web and mobile app makes them simple to manage

Click here to download the brochure featuring ENGAGE[™] web and mobile apps





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Benefits for Integrators

Bring electronic access control deeper into the building with Schlage NDE & LE wireless electronic locks



Reduces installation time and disruption; especially in concrete construction, solid ceilings and remote locations



Ability to leverage existing credentials deeper in the building creates opportunity for additional reoccurring revenue



Widen your portfolio to win more jobs with a cost effective solution targeted at interior doors



Integrates seamlessly with existing EAC system



Increase efficiency by connecting more doors in less time; making monitoring more doors with realtime visibility and control easier

Click here to download the brochure featuring connectivity with software alliances





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Applications

Wireless locks can enhance the experience for end users who are looking to balance security, efficiency and convenience throughout a facility



Link to article: Mechanical and Electronic Better Together







Schlage® wireless locks

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Applications

Suited Grade 1 Solutions: Mechanical, wired electrified, and wireless electronic options to address a wide range of applications

Schlage L Series - Mortise



Schlage ND Series - Cylindrical

Mechanical



Wired electrified





Wireless electronic





Common chassis, levers, key systems and parts











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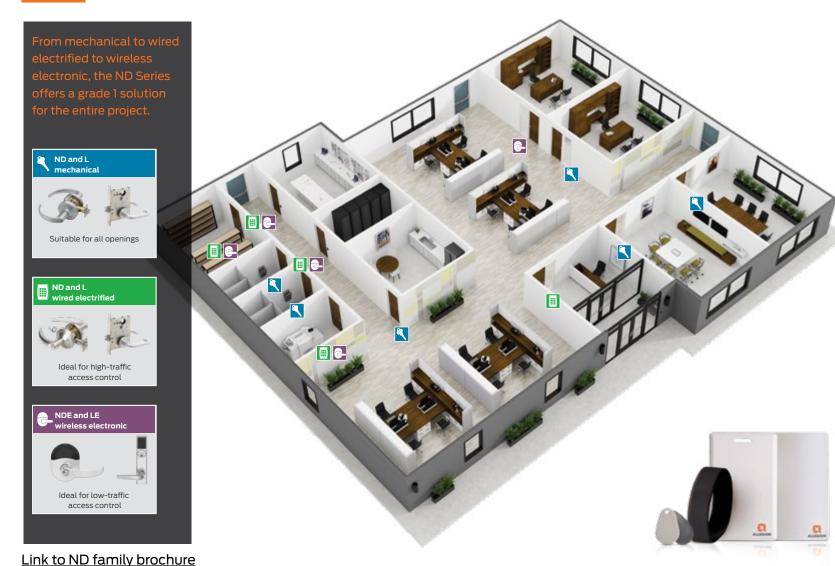
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Applications

Successful facilities blend mechanical and electronic solutions together to address specific needs by opening









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- Residence halls
- Classrooms
- Laboratories
- Administrative offices
- Records rooms



- Resident entries
- Common areas
- Amenities
- Sensitive storage areas
- Shared spaces



- Suite entries
- Offices
- IT rooms
- Equipment rooms
- Conference rooms
- Shared restrooms











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- Classrooms
- Laboratories
- Administrative offices
- Records rooms



- Common areas
- Amenities
- Sensitive storage areas
- Shared spaces



- Suite entries
- Offices
- IT rooms
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- Conference rooms











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Applications

Options to address the needs by opening type

Application	AD	NDE	LE	
Commercial				
Perimeter (with exit device)	•			Requires exit trim
Perimeter (without exit device)	•			
Suite entry				
Office	•			
Conference room		•	•	
IT closet	•	•	•	
Storage		•	•	
Corridor	•			Requires exit trim
Stairwell	•			Requires exit trim
Classroom	•	•	•	
Auditorium	•			Requires exit trim
Residence hall	•		•	
Multi-family				
Perimeter (with exit device)	•			Requires exit trim
Amenities		•	•	
Admin. office		•	•	
Resident entry door		•	•	Additional option: Schlage Contro™ smart deadbolt

AD-Series Exit Trim can be specified when used with one of our RS-485 access control Software Alliance members.







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- Built on the Schlage L Series Mortise Chassis
- Ideal for perimeter and interior applications
- Fits Schlage ANSI mortise pocket, requires 2 or 3 door through holes beyond Schlage L Series
- Available chassis options:
 - MS Mortise for classroom/storeroom
 - MB Mortise with pushbutton for office, privacy and apartment functions
 - MD Mortise with deadbolt for privacy and apartment functions
- Two designs; Greenwich sectional trim and Addison escutcheon
- 28 lever designs and 2 knobs
- 9 finishes including 622 matte black
- ANSI/BHMA A156.25 (Indoor/Outdoor), ANSI/BHMA Grade 1, UL 10C (3-hour fire rated), UL294, ULC S319, FCC Part 15, ADA, RoHS, FL3905, FL12400 and FL14482





Schlage LE Mortise Greenwich



Schlage LE Mortise Addison

Click here for LE datasheet











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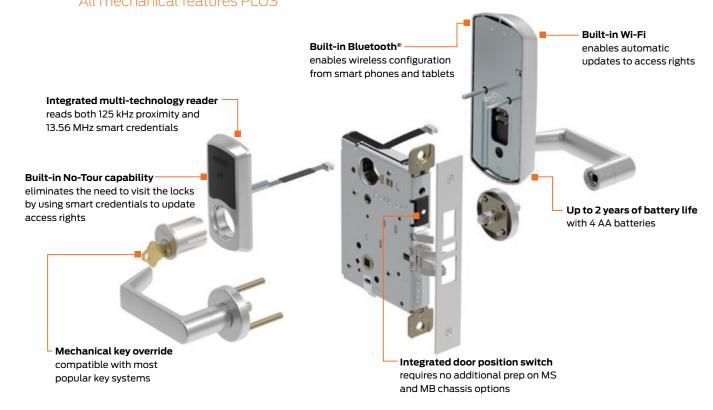
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Schlage LE wireless mortise lock Built on Schlage L mortise lock chassis All mechanical features PLUS







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- Built on the Schlage ND Series cylindrical chassis; ANSI Grade 1
- Ideal for perimeter and interior applications
- Fits standard 161L cylindrical prep
- Storeroom function with Vandlgard®
- Installs in minutes with just a Phillips screwdriver
- Lever handing is field reversible in seconds, no tools required
- 3 popular lever styles
- 9 finishes including 622 matte black
- ANSI/BHMA A156.25 (Indoor/Outdoor), ANSI/BHMA Grade 1, UL 10C, UL294

Click here for NDE datasheet







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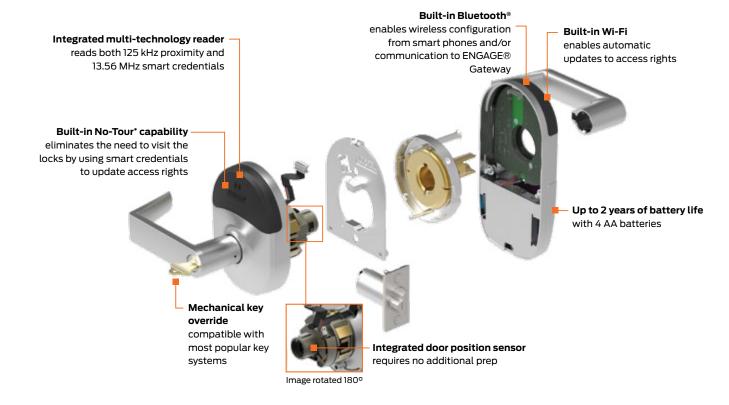
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Schlage NDE wireless cylindrical lock Built on Schlage ND cylindrical lock chassis All mechanical features PLUS



* NDE No-Tour available Q3





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	CO - Series	NDE and LE	AD - Series
vity	Standalone	Standalone	Standalone (AD-200/250)
Connectivity		Networked	Networked (AD-300/400)
	Cylindrical	Cylindrical (NDE)	Cylindrical
Chassis	Moritse	Mortise (LE)	Mortise
Cha	Exit Trim		Exit Trim
		Smart	Smart
als	Proximity	Proximity	Proximity
Credentials	Magnetic Stripe		Magnetic Stripe
Cre	Keypad		Keypad
	+PIN for added security		+PIN for added security
	Storeroom	Storeroom (NDE & LE)	Storeroom
ions	Privacy	Privacy (LE only)	Privacy
Functions	Office	Office (LE only)	Office
	Apartment	Apartment (LE only)	Apartment











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CO - Series

CO - Selles

Standalone

- Manage PIN codes at the lock for CO-100
- Manage with PC based software for CO-200 and CO-250
- Use HHD (handheld device) at the locks for updates to CO-200 and CO-220
- Use magnetic stripe credentials to deliver access right updates to CO-250

Standalone

NDE and LE

- Manage with ENGAGE™ cloud-based web & mobile apps
- Use smart phone or tablet at the lock for updates
- Wi-Fi: Connect locks directly to IT network for automatic daily updates
- No-Tour*: Use smart credentials and MT20W enrollment reader

Standalone

AD - Series

- Manage with PC based software
- Use HHD (handheld device) at the locks for updates to AD-200
- Use magnetic stripe credentials to deliver access right updates to AD-250

Networked

- Integrated with Software Alliances
- Features and capabilities vary by system
- IP or RS-485: Use the ENGAGE™ Gateway to connect locks to system in real-time
- Wi-Fi: Connect locks directly to IT network for periodic updates
- No-Tour*: Use smart credentials and MT20W enrollment reader

Networked

- Integrated with Software Alliances
- Features & capabilities vary by system
- RS-485: Real-time, directly connect AD-300 or use the PIM-400 to connect AD-400 locks to system
- Wiegand: Real-time, use the PIB300 for AD-300 or the PIM-400-TD2 to connect AD-400 locks to system

Note: Schlage NDE, LE and AD standalone locks have the capability to be upgraded to networked in the future if end user needs change.

* NDE No-Tour available Q3







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Discovery questions

Key questions to determine if end user is ready to upgrade to wireless locks

- How many doors are you managing with keys?
- How complex is your key system?
- Have you had any issues keeping track of issued keys?
- How much time do you spend annually on managing keys, issuing new keys, changing out cylinders, etc.?
- What does it cost, on an annual basis, to issue new keys, track keys, get key back, change out cylinders?
- Have you ever had the need to investigate a breach where having the ability to audit the lock history would be of value?







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Discovery questions

Key questions to determine what type of EAC solution is best for end user

How many wireless locks do you want to manage?

 If less than 100 locks and 5,000 users – ENGAGE™ web & mobile apps may be a good fit depending on the answer to the next question

Do you want to self-manage or work with a service provider to manage your locks?

- If the user wants to manage the locks themselves then ENGAGE™ web & mobile apps may be a good fit
- If the user wants a service provider to manage the locks for them, an access control solution from one of our Software Alliances may be a good fit

Do you currently have an access control system? If so, which system and who is your provider?

If yes, refer to the Software Alliances Reference Guide to determine if they have completed integration with NDE and LE wireless locks. We suggest that you connect with your local Integrator Sales Consultant for next steps.







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Discovery questions

Key questions to determine what type of EAC solution is best for end user

What type of credentials do you currently use or want to use?

 Schlage NDE and LE wireless locks are compatible with most proximity cards as well as high security smart cards from Allegion. Please note that NDE and LE wireless locks are capable of reading the card serial number (CSN) only of many competitors smart credentials. Please refer to the NDE and LE datasheets for additional details.

Do you require card + PIN for dual authentication?

Schlage NDE and LE wireless locks do not feature a keypad for card + PIN security, however the AD and CO Series locks have this capability and may be a good option.

How important are real-time updates and alerts?

Schlage NDE and LE wireless locks are capable of real-time updates and alerts when connected with the ENGAGE™ gateway to an access control system from one of our Software Alliance members. Please refer to the Software Alliances Reference Guide for additional details.

Do you want to connect any openings that have exit trim?

 For openings that require wireless exit trim, we recommend a RS-485 solution from one of our Software Alliance members. This type of solution allows the user to manage AD Series exit trim as well as Schlage NDE and LE wireless locks within the same system







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Discovery questions

Key features shape what type of solution is best for the end user

What are the options if my customer wants to connect the locks to their IT network?

- NDE and LE wireless locks can be directly connected to the IT network for automatic updates (Wi-Fi solution)
 - Manage with ENGAGE™ web and mobile apps for automatic daily updates (overnight)
 - Manage with one of our Software Alliances for periodic updates
- NDE and LE wireless locks can be connected to the IT network using the ENGAGE™ gateway for real-time updates (IP solution)
 - Manage with one of our Software Alliances for real-time updates







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Discovery questions

Key features shape what type of solution is best for the end user

What are the options if my customer does not want to connect the locks to their IT network?

- NDE and LE wireless locks can be updated at the lock
 - Use the ENGAGE™ web and mobile apps to manage locks, users and credentials.
 - Visit the locks and use the mobile app to deliver updates as needed
- NDE* and LE wireless locks can be set up for No-Tour (typically in multi-family)
 - Eliminates the need to visit the locks, uses the MT20W enrollment reader and aptiQ smart cards to deliver updates to the locks
 - Manage locks, users and credentials with ENGAGE™ web and mobile apps or with one of our Software Alliances
- NDE and LE wireless locks can be connected to an access control panel over RS-485 using the ENGAGE™ gateway for real-time updates
 - Manage with one of our Software Alliances; can be used in the same system as aptiQ[®] readers and AD Series locks

* NDE No-Tour available Q3





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Manage with ENGAGE[™] web & mobile APPs

When to manage NDE and LE wireless locks with ENGAGE™ web and mobile apps

- ✓ Cylindrical or Mortise doors
- ✓ No EAC system currently in place
- ✓ User wants to self-manage
- ✓ Single site
- ✓ Less than 100 doors and 5,000 users
- ✓ Real-time updates not required









Schlage® wireless locks

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Manage with ENGAGE™ web & mobile APPs

ENGAGE Apps with NDE, LE, and Control™

ENGAGE Apps with Schlage® LE, and NDE

Manage site from anywhere with ENGAGE™ cloud-based web and mobile applications

- Configure lock settings
- Add new users and enroll credentials
- Manage users and assign access privileges
- New! Set lock schedules, holidays, user schedules
- View & export audits and alerts
- Invite others to assist with administration







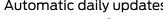
Immediate updates







Send updates at the lock, anytime, with the ENGAGE mobile app.







₫ NDE ₫ LE

Connect locks to the Wi-Fi network for automatic daily updates.

No-Tour via smart credentials



Use smart credentials to update access rights to the lock.

* NDE No-Tour available Q3

Click here for ENGAGE[™] web and mobile app datasheet







¹ Requires MT20W enrollment reader



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Manage with ENGAGE[™] web & mobile APPs

ENGAGE™ cloud-based web and mobile apps

ENGAGE™ cloud-based web and mobile apps

Easy, turn-key solution for multi-family, mixed-use, and commercial properties.

	Capabilities	NDE and LE
	Number of sites	One
	Number of locks	Up to 100
	Number of users	Up to 5,000¹
	Number of audits (lock history & alerts)	Up to 100,000²
	Assign 24/7 access	Yes
New!	Assign user schedules	Up to 16
New!	Assign lock & unlock schedules	Up to 16
New!	Assign holiday schedules	Up to 32



^{2.} ENGAGE can hold up to 100,000 audits. Each NDE and LE lock can hold 2,000.





Click here for ENGAGE[™] web and mobile app datasheet







See ENGAGE web and mobile app datasheet for complete details.



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Credentials

There are many similarities between levels of security in keyways and credentials; choose the best fit for the application.

	Key	Electronic credential	Applications for electronic credentials
High security	Primus® XP restricted keyway Highest level of keyway security Cannot be duplicated without the manufacturer's authorization	Smart card - MIFARE DESFire EV1™ • Most secure card available • Advanced data encryption makes duplication nearly impossible	 New or existing installations Applications beyond access control including vending, parking, secure printing, and more
Restricted	Everest 29™ restricted keyway ■ High level of security ■ Difficult to make unauthorized copies	Smart card - MIFARE® Classic Secure encrypted data More difficult to duplicate	 Existing installations Migration to MIFARE DESFire EV1™ is recommended Applications beyond access control including vending, parking, secure printing, and more
Open	Classic keyway Most common keyway No restrictions on duplication	Proximity card Most common credential type Easily duplicated	Proximity card Existing installations Migration to smart technology is recommended Proximity card







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Schlage NDE and LE wireless locks work with most proximity as well as smart credentials from Allegion.

Allegion	HID®
7410 Proximity Card Clamshell	1326
7510 Proximity Card ISO Glossy White	1386
7610 Proximity Keyfob	1346
7010 Proximity PVC Sticky Disk	7010
9420 MIFARE® Smart Card Clamshell	2080
9520 MIFARE® Smart Card ISO Glossy White	2000
9651 MiFare® Keyfob	1434



 $Please see the Schlage \ Electronics \ Price \ Book \ for \ complete \ listing \ of \ all \ available \ options.$







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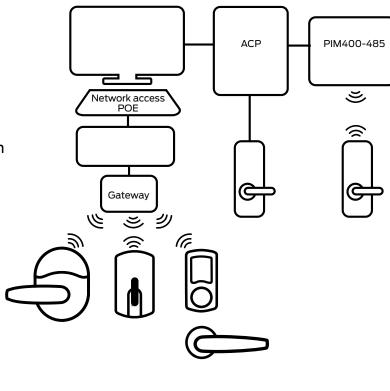
Resources



Manage with software alliances

When to manage NDE and LE wireless locks with Software Alliances

- ✓ Cylindrical, Mortise, or Exit doors
- ✓ EAC system currently in place
- ✓ User wants a service provider to manage system
- ✓ User wants to manage in same system as AD-Series or aptiQ[®] readers
- ✓ Single site or multiple sites
- Unlimited number of doors and users
- ✓ Real-time updates







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Manage with software alliances

What are software alliances?

- Software Alliances are the electronic access control (EAC) and building automation providers that integrate our wireless locks into their solutions
- Schlage NDE and LE wireless locks are designed to complement traditional EAC solutions to extend the benefits of EAC deeper into the facility
- Our wireless locks have been integrated with industry leading access control software providers and offer a wide range of features and capabilities that vary by system
- To learn more about who we work with visit us.allegion.com/alliances









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Manage with software alliances

Network architectures for integrated security solutions

Advanced real time solutions

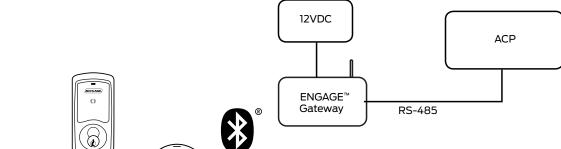
RS-485

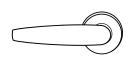
☑ NDE

☐ Control

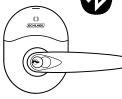
☑ AD (via PIM 400)

☑ LE





Schlage® LE



Schlage® NDE

- Easily mix and match RS-485 product solutions (AD-400/PIMs, NDE/LE/gateways and AD-300 based on customer needs
- Secure additional openings for existing AD customers
- Remote lockdown/unlock can be achieved in <5 seconds
- No delay in transactions or monitoring
- Central decision making









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Network architectures for integrated security solutions

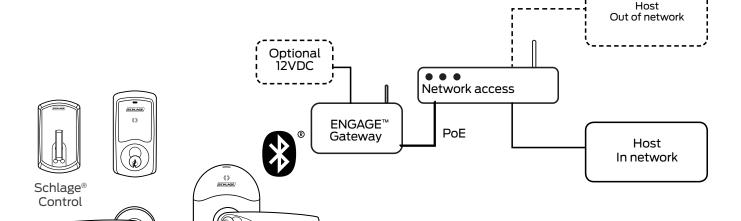
Schlage®

NDE

Advanced real time solutions

Schlage®

ΙP



☑ NDE

☑ LE

☑ Control

- Real-time communication ensures remote lockdown/unlock commands can be sent from host software in <5 seconds
- Use existing network access points for connectivity to gateway
- Decisions made at lock and updates immediately sent to the host software
- Lower infrastructure and installation cost no panel required







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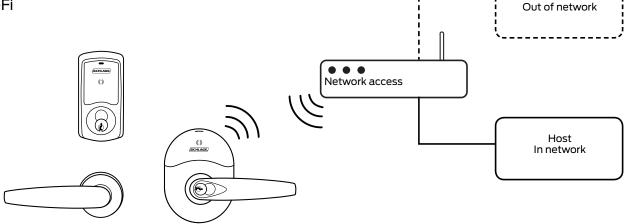
Manage with software alliances

Network architectures for integrated security solutions

Schlage® NDE

Offline solutions

Wi-Fi



Schlage® LE

☑ NDE ☑ LE

☐ Control

 Lock communications directly with host software through a Wi-Fi access point, no proprietary hardware required

Host

- Use existing access points for connectivity
- Select statuses are sent in real-time to host software
- Lower infrastructure and installation costs no panel or gateway required





SCHLAGE

Schlage[®] wireless locks

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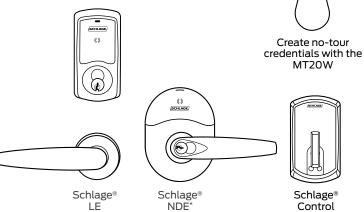
Who can help

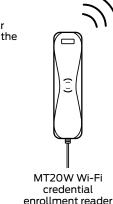
Resources

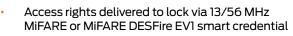


Offline solutions

No-tour







Host Out of network

Host

In network

- Use Alliance mobile app to configure the lock for no-tour
- Create no-tour credentials via the MT20W and alliance host

Network access

 Lower infrastructure and installation costs no panel or gateway required

☑ Control

* NDE No-Tour available Q3





[☑] NDE*



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Credentials

There are many similarities between levels of security in keyways and credentials; choose the best fit for the application.

	Key	Electronic credential	Applications for electronic credentials
High security	Primus® XP restricted keyway Highest level of keyway security Cannot be duplicated without the manufacturer's authorization	Smart card - MIFARE DESFire EV1™ • Most secure card available • Advanced data encryption makes duplication nearly impossible	 New or existing installations Applications beyond access control including vending, parking, secure printing, and more
Restricted	Everest 29 [™] restricted keyway ■ High level of security ■ Difficult to make unauthorized copies	Smart card - MIFARE® Classic Secure encrypted data More difficult to duplicate	 Existing installations Migration to MIFARE DESFire EV1™ is recommended Applications beyond access control including vending, parking, secure printing, and more
Open	Classic keyway Most common keyway No restrictions on duplication	Proximity card Most common credential type Easily duplicated	Proximity card Existing installations Migration to smart technology is recommended Proximity card





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Schlage NDE and LE wireless locks work with most proximity as well as smart credentials from Allegion.

Allegion	HID®
7410 Proximity Card Clamshell	1326
7510 Proximity Card ISO Glossy White	1386
7610 Proximity Keyfob	1346
7010 Proximity PVC Sticky Disk	7010
9420 MIFARE® Smart Card Clamshell	2080
9520 MIFARE® Smart Card ISO Glossy White	2000
9651 MiFare® Keyfob	1434









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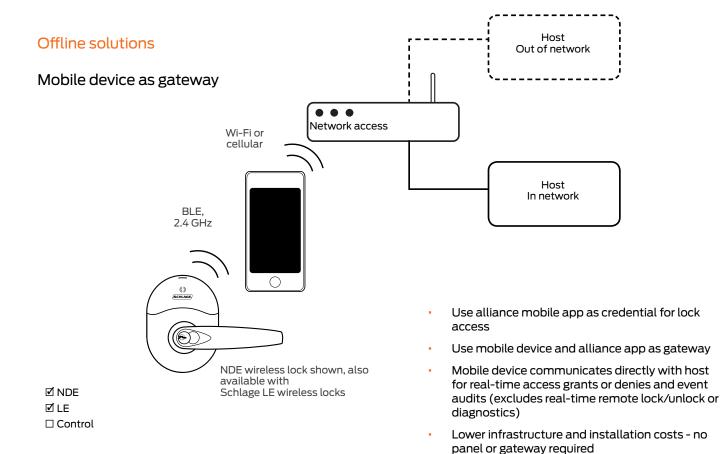
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Network architectures for integrated security solutions







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ENGAGE™ Gateway for real-time connectivity

- ENGAGE™ Gateway (GWE) can be used with Schlage Control™, NDE and LE wireless locks
- Delivers real-time networked connectivity with Software Alliances
- RS-485 and IP (PoE)
- Connect up to 10 wireless devices per gateway
- Communication range up to 100 feet
- UL294, FCC Part 15, Industry Canada (IC), RoHS



Click here for ENGAGE™ Gateway datasheet









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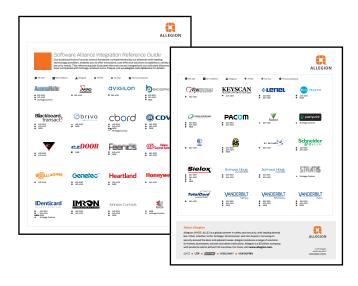


Manage with software alliances

Schlage wireless locks are integrated with industry leading access control software providers

Software Alliances reference guide

- Identifies the following:
 - Which EAC systems we work with
 - What locks are supported
 - What types of network architectures are supported (designated by icon shape)
- Posted on web, <u>updated monthly</u>



Network architectures by icon shapes:

RS-485

Wi-Fi (offline)

▲ Wiegand

◆ IP/PoE

★ No-Tour

Phone as Gateway

Example:



- AD-300 ● AD-400 ●■ NDE
- ★ Schlage Control

In this example, cbord supports:

- RS-485 connectivity with AD-300, AD-400 and NDE
- Wi-Fi (offline) with NDE
- No-Tour with Schlage Control™

Click here for the Software Alliances Reference Guide







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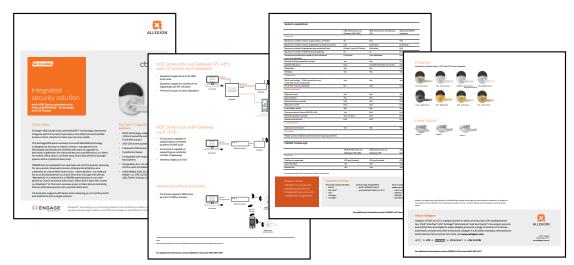
Manage with software alliances

Schlage wireless locks are integrated with industry leading access control software providers

Solution sheets

- Details the following per Software Alliance member:
 - Solution capabilities and features
 - Overview of specific network architecture
 - System requirements including hardware, software, and firmware
 - Finish and lever overview
- Posted on web, updated semi-annually if needed

Example



Click here for the Software Alliances web page







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Are the NDE and LE wireless locks replacing existing solutions including the AD Series, CO Series and aptiQ® readers?

NDE and LE wireless locks are not a replacement for existing solutions, they are new additions designed to complement our portfolio. It is important that you walk through the Discovery Questions with your customers to determine the best type of solution.

For example, there will be instances where AD Series or aptiQ are the best option for the customer because they require card + PIN or they have an exit device that they want to tie into their access control system. In other cases, the customer may simply want to add the convenience of card access to interior doors where a NDE makes the most sense.

What types of openings are we targeting for the NDE and LE?

Our primary targets are interior openings where facilities managers can benefit from capabilities like remote credential and access management, increased visibility through audits, ability to set lock and unlock schedules.





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What is the best option if a customer wants an electronic solution for a door with an exit device?

When a wireless solution for exit trim is required, we recommend a RS-485 solution from one of our Software Alliance members. This type of solution allows the user to manage AD Series Exit Trim as well as Schlage NDE and LE wireless locks within the same system.

Can the NDE and LE be used in the same facility as Schlage ND and L Series?

Yes! Schlage offers a suited set of solutions for every opening; from mechanical to wired electrified to wireless electronic. This allows the customer to standardize across the facility, leveraging common parts and similar installation processes for improved efficiency.

Are NDE and LE rated for perimeter applications?

Yes! Both NDE and LE are rated for perimeter applications.





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Can I use the same credentials as used on the perimeter of the building?

Schlage NDE and LE locks have a built-in multi-technology reader that is capable of reading both proximity and smart credentials. Most 125 kHz proximity cards and fobs will work since it features open technology. We recommend using Allegion credentials with NDE and LE wireless locks since 13.56 MHz smart cards and fobs feature a higher level of security, which includes key diversification and mutual authentication. However, NDE and LE are capable of reading the card serial number (CSN) of most competitors credentials which provides similar security to proximity. Please refer to the NDE and LE datasheets for specific compatibility.

What features differentiate LE from NDE?

The LE has a broader range of chassis options (Mortise-MS, Mortise with interior push-button-MB, and mortise deadbolt-MD) which can support storeroom, privacy, office and apartment functions. LE has a broader range of lever styles including the M Series decorative, plus two knob options.

What is No-Tour functionality?

No-tour functionality allows access control from virtually anywhere via cloud-based mobile or web apps - no need to visit the lock or connect locks to Wi-Fi. No-tour is typically used in multi-family applications for enhanced efficiency. The system administrator uses a MT20W reader to enroll smart credentials; access rights to specific locks are written onto the card. The new credential delivers the updated information the next time it is presented to the supported lock.

What type of credential is needed to support No-Tour capability?

No-tour functionality requires smart credentials from Allegion with a minimum memory size of 8k bit/1K byte.







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Can NDE and LE wireless locks be used in an existing access control system?

NDE and LE wireless locks can be used in many of the same industry leading access control systems as AD locks and aptiQ readers. Please refer to the Software Alliances Reference Guide to determine if the NDE and LE have been integrated, it will also highlight what specific network architectures are supported.

What if the NDE and LE wireless locks have not been integrated into the access control system that is preferred by my customer?

Contact Brenda Dove to find out if NDE and LE integration is in process with the provider. If the integration is in the pipeline you may consider a two-step approach where the locks are managed using the ENGAGE™ web and mobile apps until the Software Alliance member solution is released. At that point, the NDE and LE locks can then be re-configured and connected to the Software Alliance member system.







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Do LE wireless locks fit in the L Series mortise pocket?

Yes. The LE was designed to fit in the L Series mechanical and electrified mortise pocket.

Do LE wireless locks require any addition door prep versus the L Series?

Yes. The LE requires 2 additional holes for the Greenwich sectional trim and 3 additional holes for the Addison escutcheon trim. The door template can be found on the LE page of us.Allegion.com. In addition, the Mortise Deadbolt (MD) option will require additional prep for the Door Position Switch which is identical to the prep for the AD series.

Are door prep tools (jigs) available for the LE?

Yes, door prep tools are listed in the price book and can be ordered through the factory.

What are the part numbers for the NDE and LE mounts?

The part number for the NDE mount is 44-184, it is currently available to be ordered through the factory. The part number for the LE mount is 44-212, we are working on making it available to be ordered through the factory.







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Do LE wireless locks cover holes from competitive mechanical locks?

The LE with Addison trim was designed to cover the following:

- Best 34H -37H Series mortise lock
- Corbin ML2000, ML2200 series mortise lock
- Sargent 9200 series, 7900 series Mortise lock

The LE with Greenwich trim can cover the following:

- Best 34H -37H Series mortise lock B rose only
- Corbin ML2000, ML2200 series mortise lock B rose depending on quality of prep
- Sargent 9200 series, 7900 series Mortise lock A and B rose







Schlage® wireless locks

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Do LE wireless locks use the same cylinders as the L Series mechanical locks?

LE wireless locks typically require a longer cylinder to accommodate the depth of the built-in reader and electronics. 1-1/2" cylinders are shipped as standard and support a full range of door thickness. Additional details should be noted per the chart below:

Cylinder and Length Requirements, LE-Series					
Cylinder Type	Cylinder	Door Thickness (+/- 1/8")			
		1-3/4"	2"	2-1/4"	
Mortise Cylinder	30-021*	1-1/4" (114), 1-3/8" (138), 1-1/2" (112)	1-3/8" (138), 1-1/2" (112), 1-5/8" (158)	1-1/2" (112) , 1-5/8" (158), 1-3/4" (134)	
FSIC	30-149	1-1/2" (112)			
SFIC	80-071	1-3/8" (138)		N/A	

^{* 112} Standard length will ship with lock

Notes

- Cylinders include compression rings
 Assumes EE (equally extended)
- 3. Door thickness range supported: minimum 1-5/8" to maximum 2-3/8"
- 4. Supports all functions (MS, MB, and MD) for both ADD and GRW







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Case studies

Jones County Junior College (JCJC)

- Problem: Thefts in residence hall on the rise in recent years.
 Concerns included key management with frequent turnover; security risk and expense.
- Desired Outcome: make key system management system more efficient
- Solution: NDE wireless locks on interior bedrooms, AD-400 wireless locks on suite entries, managed with access control system from Software Alliance provider
- Result: "The convenience factor has been night and day," Joseph Van Tuggle, Director of Men's Housing at JCJC said. "During orientation, I sit right at my desk, kids come in, and I easily enroll them into our system or switch their access to a different room. When they come back a week later and move in, they're already ready to go."

In the two years prior to installing the NDE and AD series locks to suite and individual bedroom doors, JCJC had five thefts reported in Smith Hall; one in 2013-2014 and four

in 2014-15. JCJC estimates an average of eight labor hours to investigate a report theft, equating to an estimated cost of anywhere from \$500-\$1,000 per incident to the college. Since then, no thefts have been reported, resulting in higher security for students and facility as well as thousands of dollars in savings.



Jones County Junior College in Ellisville, Mississippi

Link to Case Study





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Ben Hopkins – **NDE Wireless Locks & ENGAGE™ Gateway** 317.417.2388 Mobile benjamin.hopkins@allegion.com

Dewey VanVoorhis – **LE Wireless Locks** 317.810.3844 Office 317.418.5770 Mobile dewey.vanvoorhis@allegion.com

Troy Stuart – **ENGAGE™ web and mobile apps** 303.640.2707 Office 720.829.6789 Mobile tstuart@allegion.com

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Data sheets/Sell sheets:

- LE
- NDE
- Schlage Control Deadbolt
- Schlage Control Interconnect
- ENGAGE[™] web & mobile apps
- ENGAGE[™] Gateway



Schlage Control™, NDE and LE 8 Page Brochure

 End User/CHD/Architect (High Level Value Proposition)



Schlage LE Price Book Supplement

LE has been integrated into SES PB



Locksmith/W Channel

ENGAGE™ web & mobile APP focus

- Tri-fold Brochure
- Sell Sheet ENGAGE[™] apps
- Brochure 12 page featuring ENGAGE™ web & mobile apps
- Flipbook
- Countermat



Integrator/OEM Channel

Software Alliance System focus

- Sell Sheet Software Alliances
- Brochure 12 page featuring connectivity with Software Alliances
- Software Alliance Reference Guide





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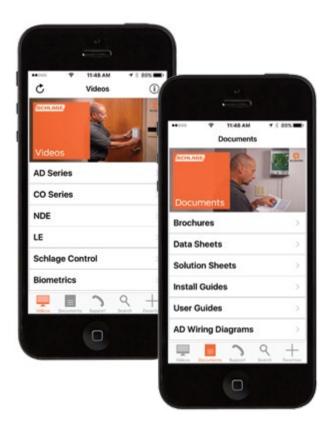
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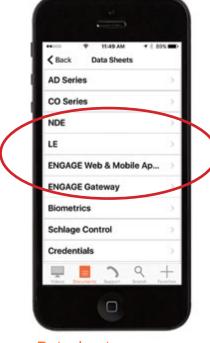
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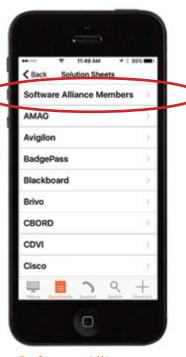
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Software Alliances Reference Guide and Solution Sheets





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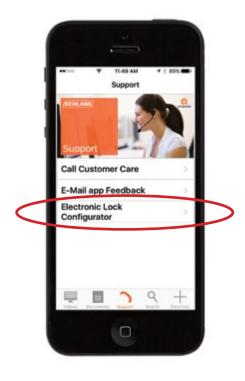
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Available on:

- Schlage Electronics How-to app
- Web => elock.allegion.com



About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries.

For more, visit www.allegion.com



