ALLEGION

SCHLAGE

LE

Wireless mortise lock with ENGAGE™ technology



Overview

The Schlage® LE wireless mortise lock with ENGAGE™ technology is designed to affordably extend electronic access control deeper into the building beyond traditional perimeter and high security openings. The LE is ideal for commercial real estate, K-12, higher education, assisted living, medical offices, or multi-family applications. Facilities can benefit from the enhanced security, efficiency, and convenience of upgrading to electronic credentials.

LE wireless locks simplify installation by combining the lock, credential reader, door position sensor and request-to-exit switch all in one unit. LE wireless locks require only minor modifications to existing mechanical mortise prep with no wires to run to the lock or additional hardware necessary. LE suites with the most popular Schlage L Series decorative levers, keyways, and finishes, providing attractive options to meet the requirements of nearly any facility. LE is ideal for office and suite entries, conference rooms, common area doors, resident units, and sensitive storage areas with a mortise door prep.

Built-in Bluetooth® enables LE wireless locks to connect directly to smart phones and tablets; no need for a proprietary handheld device for set-up and configuration. And with built-in Wi-Fi®, LE locks can connect directly to an existing Wi-Fi network enabling automatic updates to lock configuration and user access. With the ENGAGE cloud-based web and mobile apps, it's easy to configure lock settings, add users, and view audits and alerts from anywhere.

For advanced capabilities including networked real-time communication with the ENGAGE™ Gateway, LE wireless locks can be managed with software from one of our access control alliance members. For additional details, please refer to the LE Integrations found in the Alliances menu on our website at **www.us.allegion.com**.

LE wireless locks are compatible with most proximity and smart cards including aptiQ® and aptiQmobile™.

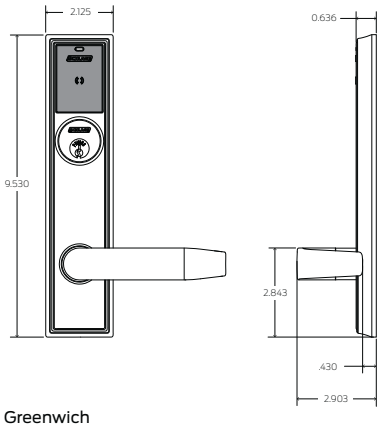
Features and benefits

- Designed to be easy to install, connect, manage, and use for perimeter and interior door applications
- Suites with mechanical L Series with 28 levers and 2 knobs
- Weather-resistant design for use on perimeter doors
- MS mortise with indicator, MB mortise with push button, and MD mortise deadbolt available to configure applications for storeroom, privacy, apartment, and office
- Lever handing is field changeable on most styles. See price book.
- Innovative integrated door position switch requires no additional door prep[1]
- Built-in Bluetooth® enables wireless configuration from smart phones and tablets
- Built-in Wi-Fi® enables automatic daily updates sent directly from host software
- Enables networked real-time communication with the ENGAGE Gateway and software alliances
- Up to 2 years of battery life
- ANSI/BHMA A156.25 (indoor/outdoor), ANSI/BHMA Grade 1, UL 294, ULC S319, UL10C (3-hour fire rated), FCC Part 15, ADA, RoHS, FL3905, FL12400 and FL14482

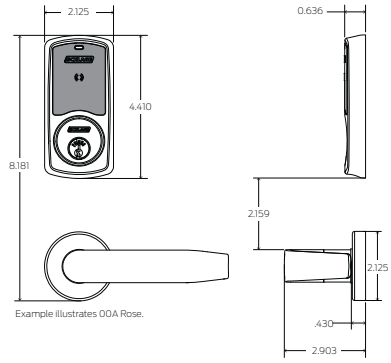
[1] Door position switch requires additional prep for mortise deadbolt (MD) applications

Exterior of the lock

Addison

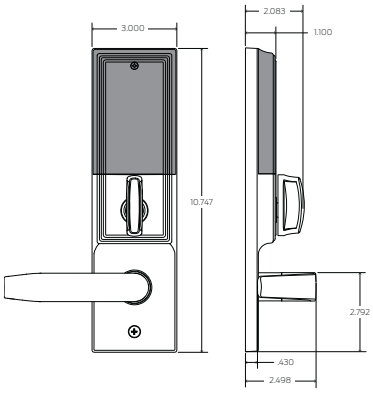


Greenwich

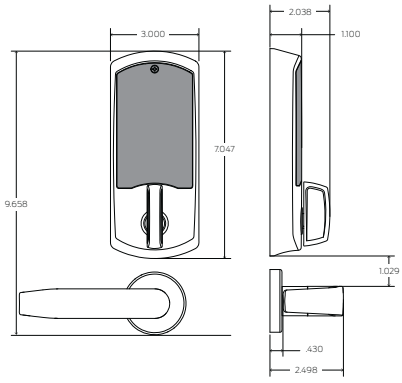


Interior of the lock

Addison



Greenwich



LE wireless lock specifications

Users	Up to 5,000 [1]
Audits	Up to 2,000 [2]
Credential verification time	≤ 1 second [3]
Visual communications	Exterior LED (red, amber, green); Interior LED (red, green)
Audible communications	Audible indicator (field configurable)
Communication standards	▪ 2.4 GHz Wi-Fi® (IEEE 802.11b/g/n) ▪ WPA2, WPA, WEP, 802.1x ▪ Bluetooth low energy (version 4.2) ▪ Transport Layer Security (TLS) version 1.2 ▪ Advanced Encryption Standard (AES), 256-bit
Communication range	Up to 100 ft.
Wake-Up on Radio	Responds to command from host in less than 5 seconds when linked to ENGAGE Gateway (requires alliance member software)
Data rate:	54 Mbps via Wi-Fi
Connectivity options	▪ Mobile (send updates at the lock) ▪ Wi-Fi access point (automatic daily updates [7]) ▪ No-Tour with MT20W enrollment reader and smart credentials ▪ ENGAGE Gateway (real-time communication) - RS-485 to ACP or IP to host
Battery life	Up to 2 yrs with 4 AA batteries [4]
Operating temperature	Exterior: -31º to 151ºF (-35º to 66ºC) Interior: 32º to 120ºF (0º to 49ºC) (battery)
Operating humidity	0 - 100% non-condensing
Certifications	ANSI/BHMA A156.25-2013 (Indoor/Outdoor), ANSI/BHMA A156.13-2012, Series 1000, Grade 1, UL 294, ULC S319, UL10C (3-hour fire rated), FCC Part 15, IC RSS-210, ADA, RoHS, ICC ANSI A117.1, FL3905,FL12400 and FL14482

Chassis/functions:

- MS mortise with indicator:
  - Storeroom
- MB mortise with push button:
  - Privacy
  - Office
  - Apartment
- MD mortise deadbolt:
  - Privacy
  - Apartment

Available status signals

- Request-to-exit
- Door position
- Interior cover tamper [5]
- Battery status
- Lock/unlock status [6]
- Communication status [5]
- Deadbolt position status (MD only) [5]
- Interior pushbutton status (MB only) [5]

Flexible solutions

LE wireless locks offer connectivity options to fit any size budget or business.

1. Mobile
2. Wi-Fi
3. Real-time with ENGAGE Gateway
4. No-Tour with MT20W

ENGAGE™ cloud-based web and mobile applications

ENGAGE™ TECHNOLOGY

The ENGAGE cloud-based web and mobile applications deliver simple and convenient site set-up with basic access management for users and locks. [1,3] Please refer to the ENGAGE data sheet for additional detail.

Download on the App Store

ANDROID APP ON Google play

1 Maximum database storage capacity of lock. Can vary by access control software database capacity when linked with an ENGAGE Gateway RS-485 to ACP.

2 Maximum audit storage capacity of lock. Can vary by access control software audit storage capacity when linked with an ENGAGE Gateway RS-485 to ACP.

3 Response time does not include latency time of host when linked with an ENGAGE Gateway or when using No-Tour.

4 Assuming indoor application, 13.56 MHz CSN credential, 80 actuations, interior LED disabled and one Wi-Fi update per day.

5 Consult your access control software provider for specific scope of support.

6 Software indicates lock/unlock status based on sequence of events.

7 Daily update will occur within 24 hours as scheduled by the host.

Mechanical specifications

Chassis	MS mortise with LED indicator; MB mortise with push button and LED; MD mortise with deadbolt and LED
Handing	Handed to order, field reversible
ANSI standard (Meets or exceeds)	ANSI/BHMA A156.25-2013 (Indoor/Outdoor) ANSI/BHMA A156.13-2012, Series 1000, Grade 1 With interchangeable core cylinders: Grade 2 Security
Door thickness	Standard: 1 3/4" (44 mm) Optional: 1 3/4" (44 mm) to 2 1/4" (57 mm) optional[1]
Backset	Standard: 2 3/4" (70mm)
Latch bolt	Standard: 3/4" (19 mm) throw stainless steel latch bolt with anti-friction tongue
Deadbolt	Standard: 1" (25 mm) throw stainless steel deadbolt
Levers	Forged brass or bronze
Strike	Standard: ANSI 1 1/4" x 4 7/8" (32 mm x 124 mm) x 1 3/16" (30 mm) curved lip strike with dust box Optional: Additional strike lip lengths and ANSI strike box available
Cylinder and keys	Standard: Patented Schlage 6-pin Everest 29 S123 keyway. Additional keying options available: standard and interchangeable cores, master keying, and grand master keying. Compatible with competitor cylinders and cams that support the L9000 Series.
Armored front	1 1/4" x 8" x 7/32" (32mm x 203 mm x 6 mm) only

Compatible key systems

	Mortise cylinder	Full size interchangeable core - FSIC	Small format interchangeable core - SFIC
With cylinder	P, Z	R	GD
Less cylinder	L	J*	BD*
Construction core	—	T	HD
Disposable core	—	—	BDC

*Sold with cylinder housing - less core.

Note: Available in formats to support residential customers - 5-pin cylinder with C keyways. Need to specify keyway and pinning needs. Standard if not specified - P, 6-pin Everest 29 with S123 keyway.

Multi-technology reader specification

Frequency	125 kHz proximity and 13.56 MHz smart credential
Standards	ISO standard 15693 and ISO 14443
Maximum read range	Up to 1.25" on 125 kHz proximity, up to 0.75" on 13.56 MHz smart credential
125 kHz proximity credential compatibility	**Compatibility:** Schlage,® XceedID,® HID,® GE/CASI ProxLite,® AWID® and LenelProx® **XceedID credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob and PVC disk (7000 Series)
13.56 MHz smart credential compatibility[3]	**Secure sector compatibility:** Schlage MIFARE,® aptiQ® MIFARE Classic, XceedID, aptiQ MIFARE DESFire™ EV1 with PACSA, aptiQmobile™ **CSN only compatibility:** DESFire, HID iClass,® Inside Contactless Pico Tag®, MIFARE, MIFARE DESFire EV1, ST Microelectronics,® Texas Instruments Tag-It,® Phillips I-Code® **aptiQ credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, wearable wristbands, mobile, PVC disk (8000 Series) and PVC patch (9000 Series)

Benefits of LE multi-technology readers:

- Reads both proximity (125 kHz) and smart (13.56 MHz) technologies with single device
- LE multi-technology readers are NFC compatible[2] and enable use with aptiQmobile credentials
- Allows end user to migrate to more secure credentials over time and as budgets permit

[1] SFIC limited to 2" max
[2] Please refer to aptiQmobile compatibility chart for a list of certified devices
[3] No-Tour applications require a 1K Byte aptiQ(R) MiFare smart credential