ALLEGION

SCHLAGE

NDE
Wireless lock with ENGAGE™ technology

Overview

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

NDE wireless locks simplify installation by combining the lock, credential reader, door position sensor and request-to-exit switch all in one unit. NDE wireless locks utilize standard ND cylindrical door prep and can be installed in minutes with only a Phillips screwdriver; no need to install additional components, drill holes or run wires to each opening. NDE suites with the most popular Schlage ND levers, keyways, and finishes, providing attractive options to meet the requirements of nearly any facility. NDE is ideal for office and suite entries, conference rooms, common area doors, resident units, and sensitive storage areas with a cylindrical door prep.

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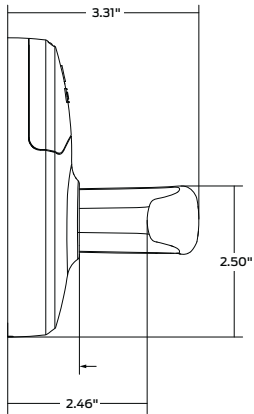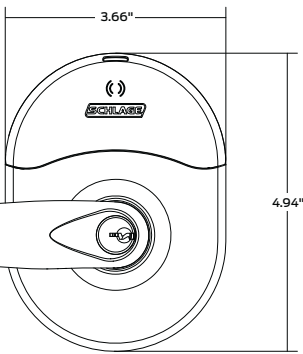
For advanced capabilities including networked real-time communication with the ENGAGE™ Gateway, NDE wireless locks can be managed with software from one of our access control alliance members. For additional details, please refer to the NDE Integrations found in the Alliances menu on our website at us.allegion.com.

NDE wireless locks are compatible with most proximity and smart cards including aptiQ™ and aptiQmobile.™
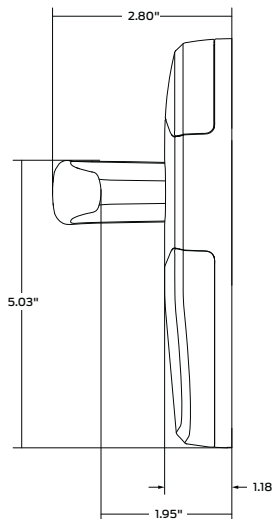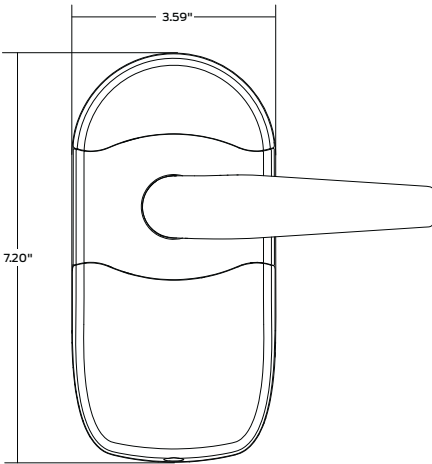
Features and benefits

- Designed to be easy to install, connect, manage, and use

- Fits mechanical ND door prep with no additional holes

- Installs in minutes with only a Phillips screwdriver

- Weather resistant design for use on perimeter doors

- Lever handing is field reversible in seconds; no tools required

- Innovative integrated door position sensor requires no additional door prep

- 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

- Compatible with major brands of key systems

- ANSI/BHMA A156.25 (Indoor/Outdoor), ANSI/BHMA Grade 1, UL 294, UL10C, FCC Part 15, ADA, RoHS, Industry Canada (IC)

Exterior of the lock

3.66"
4.94"

3.31"
2.50"
2.46"

Interior of the lock

3.59"
7.20"

2.80"
5.03"
1.18
1.95"

Schlage · NDE

NDE wireless lock specifications

Users	Up to 5,000 [1]
Audits	Up to 2,000 [2]
Credential verification time	≤ 1 second [3]
Visual communications	LED (red, amber, green)
Audible communications	Audible indicator (field configurable)
Communication standards	• 2.4 GHz Wi-Fi® (IEEE 802.11b/g) • WPA2, WPA, WEP, 802.1x • Bluetooth low energy (version 4.0) • Transport Layer Security (TLS) version 1.0 • 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	24 Mbps via Wi-Fi
Connectivity options	• Mobile (send updates at the lock) • Wi-Fi access point (automatic daily updates [9]) • 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 A156.2-2011, Series 4000, Grade 1, UL 294, UL 10C, CSA C22.2 No. 205-M1983, FCC Part 15, IC RSS-210, ADA, RoHS, ICC ANSI A117.1

Functions
• Storeroom with Vandlgard®

Available status signals
• Request-to-exit
• Door position
• Interior cover tamper [5]
• Magnetic tamper
• Battery status
• Lock/unlock status [6]
• Communication status [5]

Flexible solutions
NDE wireless locks offer connectivity options to fit any size budget or business.

1 Mobile
2 Wi-Fi
3 Real-time with ENGAGE Gateway

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.
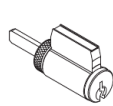
Download on the App Store

ANDROID APP ON Google play

1 Maximum database storage capacity of lock. Can vary upon access control software database capacity when linked with an ENGAGE Gateway RS-485 to ACP
2 Maximum audit storage capacity of lock. Can vary upon 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
4 Assuming indoor application, 13.56 MHz CSN credential, 100 actuations 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
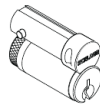7 When using the ENGAGE cloud-based access management software

Mechanical specifications

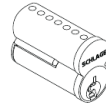|	
Chassis	Cylindrical
Handing	Right-handed from factory. Field reversible in seconds (no tools required)
ANSI standard (Meets or exceeds)	ANSI/BHMA A156.25-2013 (Indoor/Outdoor) ANSI/BHMA A156.2-2011, Series 4000, Grade 1
Door thickness	Standard: 1 5/8" - 2" (41mm - 51mm) only
Backset	Standard: 2 3/4" (70mm) Optional: 2 3/8" (60mm)
Latch bolt	Standard: 1/2" (12mm) throw deadlatch (steel) Optional: 3/4" (19mm) throw anti-friction deadlatch available for pairs of fire doors
Levers	Pressure cast zinc, plated
Strike	Standard: 1 3/16" lip, ANSI, DPS, 1 1/4" x 4" Optional: Additional strikes, lip lengths and ANSI strike box available
Cylinder and keys	Standard: Schlage 6-pin Everest 29 S123 keyway cylinder with two patented keys. Additional keying options available, including standard and interchangable cores, competitor brands, master keying and grand master keying

Compatible key systems

	Key-in-lever cylinder	Full size interchangeable core	Small format interchangeable core
Schlage key systems			
Primus XP	■	■	—
Everest 29	■	■	■
Classic	■	■	—
Other key systems			
Sargent®	■	■	■
Corbin Russwin®	■	■	■
Yale®	—	■	■

Cylinder options (How to order)

Cylinder	Order Suffix	Description
	LD SAR	Sargent® Key-in-Lever
	JD SAR	Sargent Full Size Interchangeable Core 6-pin Cylinder
	JD C06	Corbin Russwin Full Size Interchangeable Core 6-pin Cylinder
	JD YA6	Yale Full Size Interchangeable Core 6-pin Cylinder

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	**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:** Clasmshell, ISO card, ISO card with magnetic stripe, keyfob, mobile, PVC disk (8000 Series) and PVC patch (9000 Series)

Benefits of NDE multi-technology readers:

- Reads both proximity (125 kHz) and smart (13.56 MHz) technologies with single device
- NDE multi-technology readers are NFC compatible [1] and enable use with aptiQmobile credentials
- Allows end user to migrate to more secure credentials over time and as budgets permit

[1]   Please refer to aptiQmobile compatibility chart for a list of certified devices