SCHLAGE

NDE Series
Wireless lock with ENGAGE™ technology

Overview

The Schlage® NDE Series wireless lock with ENGAGE™ technology is designed to be easy to install, connect, manage, and use. Developed specifically for facilities that want to upgrade to electronic credentials for improved security and efficiency, it is ideal for interior office doors, common area doors, and sensitive storage spaces with a cylindrical door prep.

NDE Series wireless locks simplify installation by combining the lock, credential reader, door position sensor and request-to-exit switch all in one unit. NDE Series wireless locks utilize the 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.

ENGAGE cloud-based web and mobile apps make it easy to configure lock settings, add users, and view audits and alerts from anywhere. For advanced capabilities including user schedules, auto unlocks & holidays, NDE Series wireless locks can be managed with software from our access control alliance partners. NDE Series wireless locks can be updated manually at the lock with the ENGAGE mobile app, automatically daily over Wi-Fi [2] or in real-time when connected to an ENGAGE gateway.

NDE Series wireless locks with ENGAGE technology are compatible with most proximity and smart cards including aptiQ™ and aptiQmobile.™ For additional details please refer to the NDE Integrations which can be found under the Alliances menu on our website.
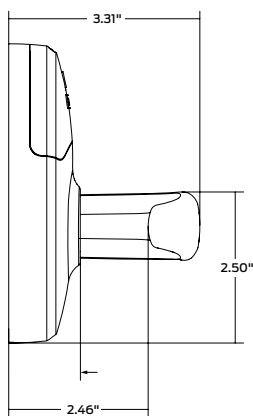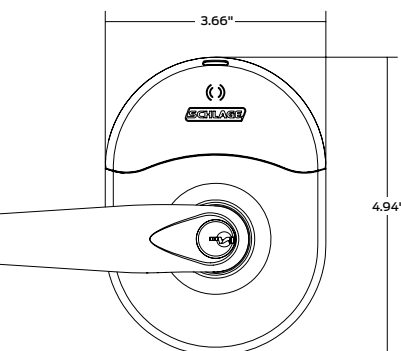
Features and benefits

- Designed to be the easiest electronic lock to install, connect, manage, and use
- Fits mechanical ND Series door prep with no additional holes
- Installs in minutes with only a Phillips screwdriver
- Lever handing is field reversible in seconds; no tools required
- Innovative integrated door position sensor requires no additional door prep
- Manage lock configuration and users from anywhere using the ENGAGE web and mobile apps [1]
- Send updates either manually at the lock, daily when connected to Wi-Fi,[2] or in real time when linked to the new ENGAGE gateway and connected to one of our Access Control Alliance partner systems
- Up to 2 years of battery life with 4 AA batteries
- Compatible with major brands of key systems
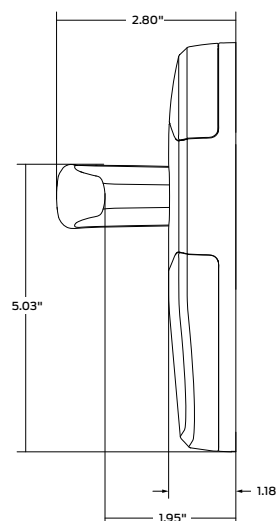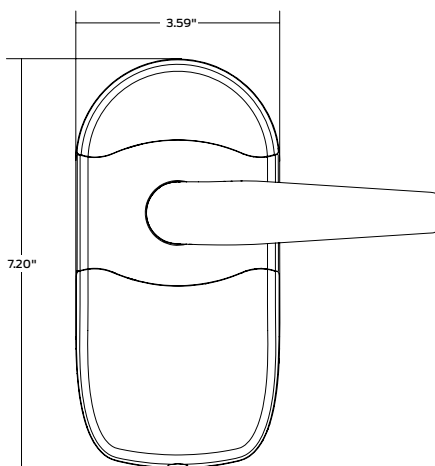- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL10C, FCC Part 15, ADA, RoHS, Industry Canada (IC)

[1] When using the ENGAGE cloud-based access management tool
[2] Daily updates will occur within 24 hours as scheduled by the host

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"

NDE Series 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 (Personal), WPA2 Enterprise (PEAP), WEP ▪ Bluetooth low energy (version 4.0) ▪ Transport Layer Security (TLS) version 1.0 ▪ Advanced Encryption Standard (AES), 256-bit
Communication range	50 ft - 100 ft typical with obstructions (normal building construction), up to 200 ft clear line of site
Wake-Up on Radio	Responds to command from host in less than 5 seconds when used with Alliance Partner system and ENGAGE gateway
Data rate	Up to 54 Mbps via Wi-Fi
Connectivity options	▪ ENGAGE mobile app (update manually, at lock) ▪ Wi-Fi access point (update daily [9]) ▪ Gateway with ENGAGE technology (real time) - RS-485 to partner ACP or IP to partner host
Battery life	Up to 2 yrs with 4AA batteries [4]
Operating temperature	For interior doors. 32º to 120ºF (0º to 49ºC)
Operating humidity	0 - 100% non-condensing
Certifications	ANSI/BHMA A156.25-2013, ANSI/BHMA A156.2-2011, Series 4000, Grade 1, UL 294, UL 10C, ULC-S319, 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 guard [5]
▪ Battery status
▪ Lock/unlock status [6]
▪ Communication status [5]

Flexible solutions
NDE series locks can be connected in multiple ways to fit any size budget or business.

1 Manually
2 Daily [9]
3 Real-time

ENGAGE™ cloud-based web and mobile applications

((•)) ENGAGE™ TECHNOLOGY

The ENGAGE cloud-based mobile and web applications deliver simple and convenient site set-up, updates and basic access management for users and locks. [1,3]

ENGAGE mobile app
▪ Add and configure locks [7,8]
▪ Add new users and enroll credentials [7,8]
▪ View audits and alerts by door
▪ Send updates to locks
▪ Perform lock diagnostics
▪ Requirements
  - iOS 7.1 or later
  - Andriod 4.4 (Kit Kat) or later

ENGAGE web app
▪ Configure locks [7,8]
▪ Add new users and enroll credentials [7,8]
▪ View audits and alerts by door
▪ Requirements
  - Internet Explorer 9.0 or later
  - Chrome 33.0 or later
  - Firefox 28.0 or later
  - Safari 7.0 or later

[1] Maximum database storage capacity of lock. Can vary upon partner database capacity when paired with an ENGAGE Gateway RS-485 to ACP

[2] Maximum audit storage capacity of lock. Can vary upon partner audit storage capacity when paired with an ENGAGE Gateway RS-485 to ACP

[3] Response time does not include latency time of host when paired with an ENGAGE Gateway

[4] Assuming 13.56 MHz CSN credential, 20 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

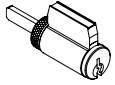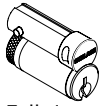[7] When using the ENGAGE cloud-based access management tool

[8] Requires internet connection

[9] Daily update will occur within 24 hours as scheduled by the host

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 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		(6 pin)	
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 Ruswin 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 card
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 card
125 kHz compatibility	Schlage Proximity, XceedID™ Proximity, HID® Proximity, GE/CASI ProxLite®, AWID® Proximity, LenelProx®
13.56 MHz compatibility	Schlage MIFARE® Secure Sector, XceedID™ MIFARE® Secure Sector, aptiQmobile, aptiQ smart cards using MIFARE DESFire™ EV1 with PACSA
13.56 MHz compatibility (serial number only)	DESFire® CSN, HID iCLASS® CSN, Inside Contactless PicoTag® CSN, MIFARE®, MIFARE DESFire™ EV1, ST Microelectronics® CSN, Texas Instruments Tag-It® Serial Number, Phillips I-Code® CSN

Benefits of NDE Series multi-technology readers:

- Reads both proximity (125 kHz) and smart (13.56 MHz) technologies with single device
- NDE Series 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

Ordering information

NDE- 80 - PD -SPA-626

Series	Function	Lever cylinder	Outside		Inside		Backset and latch	Strike	Dim	Additional details
			Lever style	Finish	Lever style	Finish				
1	2	3	4	5	6	7	8	9	10	11

Selections correspond with the numbers above

Standards options are indicated in bold. See price book for specific configuration options.

3	Lever cylinder type
PD	Schlage 6-pin full cylinder

See price book for other SFIC, FSIC and Less Cores options available. Compatible with Schlage, Sargent, Corbin and Yale.

4/6	Lever style
SPA	Sparta
RHO	Rhodes
ATH	Athens

Available with tactile surface

5/7	Finish
626	Satin chrome
605	Bright brass
606	Satin brass
612	Satin bronze
619	Satin nickel
625	Bright chrome
643e	Aged bronze
626AM	Satin chrome antimicrobial

8	Backset and latch
13-047	2 ³/₄" backset, deadlatch, square corner, 1 ¹/₈" x 2 ¹/₄"

See price book for additional backset and latch options

9	Strike
10-130	1 ³/₁₆" lip, ANSI, DPS, no box, 1 ¹/₄" x 4 ⁷/₈"

See price book for other available strikes

10	Dim (strike lip length)
138	1 ³/₈" non-standard lip length

Enter only for non-standard strike lip lengths. See price book for other available non-standard lengths

11	Additional details
S123	Everest 29

See price book for other available keyway options including master keying

Lever styles

Standard cylinders shown, SFIC and FSIC also available.

Sparta

Rhodes

Athens

Finishes

Warm tone finishes

605
Bright brass

606
Satin brass

612
Satin bronze
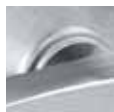
643e
Aged bronze

Cool tone finishes

619
Satin nickel

625
Bright chrome

626
Satin chrome

626AM
Satin chrome with antimicrobial

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a $2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises 27 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. For more, visit **www.allegion.com.**

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