



NDE

Mobile enabled wireless cylindrical lock



Overview

The Schlage® NDE mobile enabled wireless cylindrical lock is designed to affordably extend electronic access control deeper into the building beyond traditional perimeter and high security openings and offers users the security and convenience of using a smart device to gain access.¹

NDE wireless locks simplify installation by combining the lock, credential reader, door position sensor and request-to-exit switch all in one unit, eliminating the need to install additional components or run wires to each opening.

The open architecture design of NDE allows it to be managed by Allegion software or to be integrated into popular physical access control systems through our PACS Alliance program. This enables customers to choose the system that best fits their requirements now and move to a networked solution at any time.

NDE suites with all Schlage ND levers and keyways to provide attractive options to meet the requirements of nearly any environment.

¹ Use of mobile credential is dependent on availability of compatible mobile credential.

² Integration with NDE mobile enabled wireless locks required for operation. For information on PACS providers and their capabilities, visit us.allegion.com/alliances.

Encryption key and credential interoperability

- Hardware configured with our default encryption key or custom key developed by Schlage Custom Encryption Key Service (SCEKS) including NXP, HID® and NFC
- Schlage MIFARE® DESFire® and MIFARE Classic® credentials
- Apple Wallet® and Google Wallet™ student ID and employee badge
- HID iCLASS®, iCLASS SE® and SEOS® plastic and NFC mobile credentials (see page 3)
- Schlage Mobile Bluetooth® Credential
- Other competitive credentials (see page 3)

Schlage Credential Services

- CardTrax™ credential format sequencing service offering industry standard formats
- Custom format development

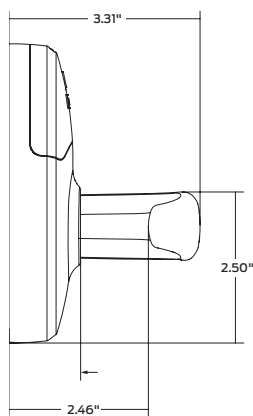
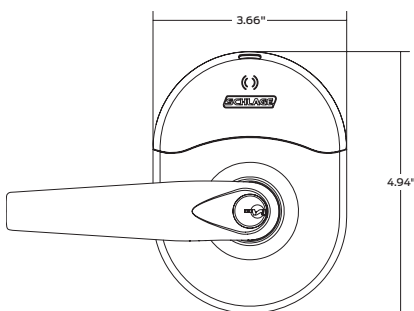
Features and benefits

- NDE includes interior push button with indication for storeroom, office, privacy, and apartment applications
- Standard multi-technology credential compatibility includes Schlage MIFARE®, Bluetooth® and NFC mobile¹, and proximity – Optional support for HID® smart and NFC mobile credentials
- Wireless configuration from connected smartphones and tablets
- Built-in Wi-Fi® enables automated daily updates sent directly from host software
- Networked real-time communication available with the ENGAGE Gateway and PACS provider solutions²
- Ideal for office and suite entries, conference rooms, common area doors, resident units, and sensitive storage areas
- Fits mechanical ND door prep with minor modifications
- Weather resistant design
- Lever handing is field reversible in seconds; no tools required
- Up to 2 years of battery life

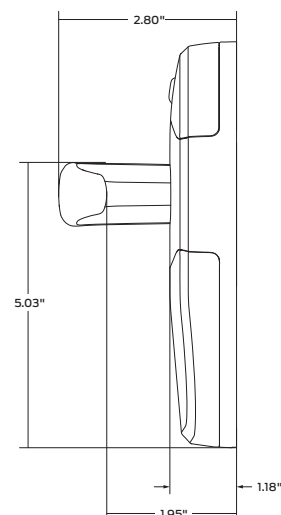
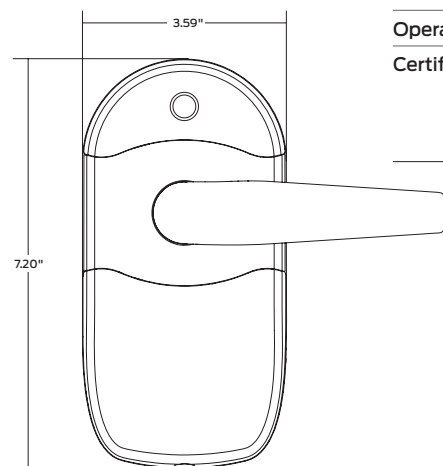
CYBERSECURITY

Learn about Allegion's commitment

Exterior of the lock



Interior of the lock



Schlage • NDE

NDE wireless lock specifications

| | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Users | Up to 5,000 ¹ |
| Audits | Up to 2,000 ² |
| Credential verification time ³ | Smart and proximity: ≤ 1 second Mobile: mobile device dependent |
| Visual communications | LED (red, amber, green) |
| Audible communications | Audible indicator (field configurable) |
| Communication standards | <ul style="list-style-type: none"> 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 |
| Gateway communication range | Up to 30' in typical building environments. A detailed site survey is recommended using the ENGAGE Test Kit (TKE). Reference ENGAGE™ Gateway Data Sheet for additional detail. |
| Wake-Up on Radio | Responds to command from host in less than 5 seconds when linked to ENGAGE Gateway (requires PACS provider system) |
| Data rate | 54 Mbps |
| Connectivity options | <ul style="list-style-type: none"> Bluetooth via mobile device (send updates at the lock) Wi-Fi access point (automatic daily updates⁷) No-Tour⁸ ENGAGE Gateway (real-time communication) <ul style="list-style-type: none"> – RS-485 to ACP or IP to host |
| Battery life ⁴ | Uses 4 AA batteries Up to 2 years |
| Operating temperature | Exterior: -31° to 151°F (-35° to 66°C) Exterior: -13° to 151°F (-25° to 66°C) (NDEBSI) Interior: 32° to 120°F (0° to 49°C) (battery) |
| Operating humidity | 0 - 100% non-condensing |
| Certifications | ANSI/BHMA A156.25 locked outdoor; ANSI/BHMA A156.2, Series 4000, Grade 1; UL 294; ULC 60839; UL 10C 3 hour; CSA C22.2 No. 205-M1983; FCC Part 15; Industry Canada (IC); ADA compliant; ICC ANSI A117.1; FL1592, FL10356, FL12400, FL14482 |

Functionality

- Storeroom
- Office
- Privacy
- Apartment

NDE comes with Vandigard® standard

Available status signals

- Request-to-exit
- Door position
- Interior cover tamper⁵
- Magnetic tamper
- Battery status
- Lock/unlock status⁶
- Communication status⁵

Flexible solutions

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

- 1 Mobile
- 2 No-Tour⁸
- 3 Wi-Fi
- 4 Real-time with ENGAGE Gateway

ENGAGE™ cloud-based web and mobile applications



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



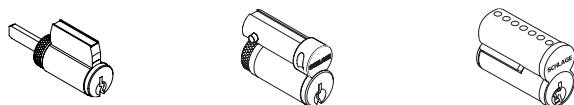
¹ Maximum database storage capacity of lock. Can vary by access control software database capacity.
² Maximum audit storage capacity of lock. Can vary by access control software audit storage capacity.
³ Response time does not include latency time of host when linked with an ENGAGE Gateway or when using No-Tour.
⁴ Assuming indoor application, default settings, 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 When using the ENGAGE cloud-based access management software.
⁸ With MT20W and smart credential or mobile credential (consult your access control software provider for specific support).

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 Conventional cylinder with two patented keys. Additional keying options available, including interchangeable cores, competitor brands, master keying and grand master keying. |

Compatible cylinders



| Schlage key systems | Conventional key-in-lever cylinder | Full size interchangeable core | Small format interchangeable core |
|----------------------------------------------------------------|------------------------------------|--------------------------------|-----------------------------------|
| With cylinder | P, P6, Z | M, R | G7 |
| Construction core | ---- | T | H |
| Disposable core | ---- | ---- | BDC |
| Less cylinder | L | J | B |
| Compatible cylinders listed above are supported on all levers. | | | |
| SARGENT® - Less cylinder | L-SAR | J-SAR | ---- |
| Corbin Russwin® - Less cylinder | L-CO6 | J-CO6, J-CO7 | ---- |
| Yale® - Less cylinder | ---- | J-YA6, J-YA7 | ---- |
| Medeco - Less cylinder | ---- | J-MED | ---- |

Six-pin competitive cylinders listed above are supported on ATH, SPA, RHO, and TLR levers. Seven-pin competitive cylinders listed above are supported on RHO levers.

Standard multi-technology reader specifications

| | |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Credential technologies | Proximity (125 kHz), Smart (13.56 MHz), Bluetooth Low Energy (BLE) (2.4 GHz), and Near Field Communication (NFC) |
| Standards | ISO standard 15693 and ISO 14443 |
| Maximum read range | Proximity: up to 1.25" Smart: up to .75" Bluetooth Low Energy: up to 15' NFC: mobile device dependent |
| Proximity credential compatibility | Compatibility: Schlage®, ISONAS™, HID ⁵ , GE/CASI ProxLite®, AWID® and LenelProx® Schlage credential style formats: Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, PVC adhesive disc |
| Smart credential compatibility ¹ | Secure sector compatibility: Schlage MIFARE Classic®, Schlage MIFARE Plus®, Schlage MIFARE® DESFire® CSN only compatibility: HID iCLASS®, HID iCLASS SE®, Inside Contactless Pico Tag®, MIFARE Classic/Plus/DESFire ² , ST Microelectronics®, Texas Instruments Tag-It®, Phillips I-Code® Schlage credential style formats: Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, wearable wristband, PVC adhesive patch |
| Mobile credential compatibility ³ | Schlage Mobile Bluetooth® credential ⁴ , integrated PACS/Proptech mobile credential with Bluetooth, Apple Wallet® NFC student ID and employee badge mobile credentials, Google Wallet™ NFC student ID and employee badge mobile credentials |

Mobile enabled retrofit kits

Retrofit kits are available allowing the upgrade of legacy NDE locks to the mobile enabled model, adding the ability to read Bluetooth® mobile credentials and new functions supported by an interior push button with indication.

- Kit includes: Interior escutcheon with PCBA and DPS with lead (requires modified door prep)*

* Kit requires reuse of exterior of lock, lock chassis, existing levers/spring cages, battery cover, mounting screws and interior mounting plate.

Si option with HID® support

Supports:

- Secure application area of HID iCLASS®, iCLASS SE®, Seos® and MIFARE® DESFire® EV1 smart credentials
- iCLASS Standard Key and Elite Keys
- HID NFC mobile credentials
- All Schlage MIFARE and mobile credentials

Does not support:

- Proximity
- HID Seos Bluetooth mobile

¹ No-Tour applications require a 1K Byte Schlage MIFARE smart credential.

² Specify CE-5901-0402 for ISONAS credential parity.

³ Dependent on PACS /Proptech provider capabilities. Visit us.allegion.com/alliances for more information.

⁴ Supported through ENGAGE web and mobile apps, ISONAS Pure Access Cloud.

⁵ Proximity bit lengths greater than 37 not supported

Ordering information

NDEB - P6 -SPA-626

| Series | 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 |

Selections correspond with the numbers above

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

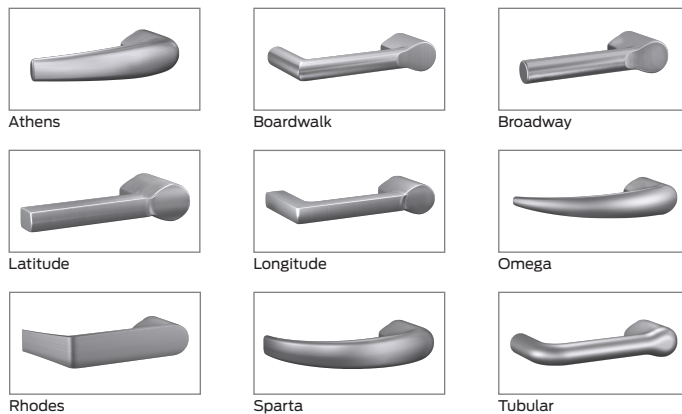
| 1 | Series |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| NDEB | Mobile enabled cylindrical with configurable functions |
| NDEBSi | Mobile enabled cylindrical with configurable functions that supports HID® credential types |
| Prior to ordering, confirm support with preferred PACS provider, visit us.allegion.com/alliances . | |
| 2 | Lever cylinder type |
| P6 | Schlage 6-pin Conventional key-in-lever |
| See price book for other SFIC, FSIC and Less Cylinder options available. Supports Schlage, SARGENT®, Corbin, Russwin®, and Yale®. | |

| 3/5 | Lever style |
|-----------------------------------|----------------------------|
| ATH | Athens* |
| BRK | Boardwalk* |
| BRW | Broadway* |
| LAT | Latitude |
| LON | Longitude |
| OME | Omega |
| RHO | Rhodes* |
| SPA | Sparta* |
| TLR | Tubular* |
| * Available with tactile surface. | |
| 4/6 | Finish |
| 626 | Satin chrome |
| 605 | Bright brass |
| 606 | Satin brass |
| 612 | Satin bronze |
| 619 | Satin nickel |
| 622 | Matte black |
| 625 | Bright chrome |
| 643e | Aged bronze |
| 626AM | Satin chrome antimicrobial |

| 7 | Backset and latch |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 13-247 | 2 3/4" backset, deadlatch, square corner, 1 1/8" x 2 1/4" |
| See price book for additional backset and latch options. | |
| 8 | Strike |
| 47267101 | 1 1/4" x 4 7/8" with 1 3/16" lip (NDEB) |
| See price book for other available strikes. | |
| 9 | 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. | |
| 10 | Additional details |
| S123 | Everest 29 |
| See price book for other available keyway options including restricted keyways in Primus XP high security cylinders and master keying. | |

Lever styles

The NDE shares the same levers as the Schlage ND mechanical lock. All NDE locks feature mechanical key override; standard, SFIC or FSIC options available.

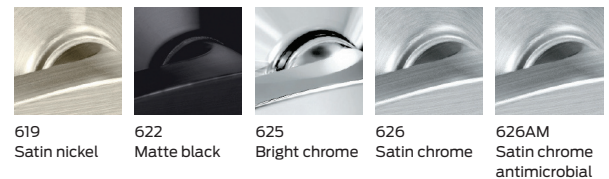


Finishes

Warm tone finishes



Cool tone finishes



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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions.

For more, visit www.allegion.com

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