NDE
Wireless cylindrical lock
NDEB – mobile enabled
with interior push button
NDE – standard

Overview

The Schlage® NDE wireless cylindrical lock is designed to affordably extend electronic access control deeper into the building beyond traditional perimeter and high security openings. And now Schlage offers the NDE wireless lock with a mobile enabled option that gives 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. NDE wireless locks require only minor modifications to existing mechanical Schlage ND cylindrical door prep; and eliminate the need to install additional components or run wires to each opening.

The new NDEB mobile enabled wireless lock also has an interior push button with indication that expands the way the lock operates to include storeroom, office, privacy and apartment functions.

NDE wireless locks can be set up and configured wirelessly with a connected smartphone or tablet — no proprietary device needed. With the ENGAGE™ cloud-based web and mobile apps, it’s easy to configure lock settings, add users, and view audits and alerts from virtually anywhere. And using the built-in Wi-Fi®, automated daily updates to lock configuration and user access rights are possible.

The open architecture design allows for advanced capabilities including networked real-time communication. Using the ENGAGE Gateway and an integrated solution from one of our physical access control software (PACS) providers,² Schlage offers organizations the freedom to use the solution of their choice.

The NDE is ideal for office and suite entries, conference rooms, common area doors, resident units, and sensitive storage areas with cylindrical door prep. NDE suites with all Schlage ND levers and keyways, and most finishes, providing attractive options to meet the requirements of nearly any environment.

¹ Use of mobile credential on the NDEB mobile enabled lock is dependent on availability of compatible mobile credentials.
² Integration with NDEB mobile enabled wireless locks required for operation. For information on PACS providers and their capabilities visit us.alllegion.com/alliances.

Features and benefits

- Ready for the future with the ability to read Bluetooth (NDEB) and NFC (NDE, NDEB) mobile credentials
- NDEB includes interior push button with indication for storeroom, office, privacy, and apartment applications
- 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 solutions
- Designed to be easy to install, connect, manage, and use
- Fits mechanical ND door prep with minor modifications
- Weather resistant design for use on perimeter doors
- Lever handling is field reversible in seconds; no tools required
- Up to 2 years of battery life

CYBERSECURITY
Learn about Allegion’s commitment
NDE wireless lock specifications

Users
Up to 5,000

Audits
Up to 2,000

Credential verification time
Smart and proximity: ≤ 1 second
Mobile: mobile device dependent

Visual communications
LED (red, amber, 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

Gateway communication range
Up to 30 m 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
NDEB80 = 24mbps, NDEB = 54mbps

Connectivity options
- Mobile device (send updates at the lock)
- Wi-Fi access point (automatic daily updates)
- No-Tour
- ENGAGE Gateway (real-time communication)
  - RS-485 to ACP or IP to host

Battery life
Uses 4 AA batteries
Up to 2 years

Operating temperature
Exterior: -30°F to 150°F (-23°C to 66°C)
Interior: 32°F to 120°F (0°C to 49°C) (battery)

Operating humidity
0% to 100% non-condensing

Certifications
ANSI/BHMA A156.25-2013 (Interior/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, ICC ANSI A117.1

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Functionality
- NDEB with Interior Push Button
  - Storecom
  - Office
  - Privacy
  - Apartment
- NDE
- Storecom
NDEB and NDE come with Verkada standard

Available status signals
- Request-to-exit
- Door position
- Interior cover tamper
- Magnetic tamper
- Battery status
- Lock/unlock status
- Communication status

Flexible solutions
NDE wireless locks offer connectivity options to fit any size budget or business.
1. Mobile
2. No-Tour
3. Wi-Fi
4. Real-time with ENGAGE Gateway

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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.

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1 Maximum database storage capacity of lock. Can vary by access control software and 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 no application, default settings, 60 activations, interior LED inactive and one Wi-Fi update per day.
5 Consult your access control software provider for specific scale or support.
6 Software indicates lock/unlock status based on sequence of events.
7 When using the ENGAGE cloud-based access management software.
8 With ME20W and smart credential or mobile credential (consult your access control software provider for specific support).
### Mechanical specifications

<table>
<thead>
<tr>
<th>Chassis</th>
<th>Cylindrical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hanging</td>
<td>Right-handed from factory, field reversible in seconds (no tools required)</td>
</tr>
<tr>
<td>ANSI standard (Meets or exceeds)</td>
<td>ANSI/BHMA A156.25-2013 (Indoor/Outdoor)</td>
</tr>
<tr>
<td>Door thickness</td>
<td>Standard: 1 1/8&quot; - 2&quot; (41mm - 51mm) only</td>
</tr>
<tr>
<td>Backset</td>
<td>Standard: 2 1/8&quot; (70mm)</td>
</tr>
<tr>
<td>Optional: 2 5/8&quot; (60mm)</td>
<td></td>
</tr>
<tr>
<td>Latch bolt</td>
<td>Standard: 1/2&quot; (12mm) throw deadlatch (steel)</td>
</tr>
<tr>
<td>Optional: 3/4&quot; (19mm) throw anti-friction deadlatch available for pairs of fire doors</td>
<td></td>
</tr>
<tr>
<td>Levers</td>
<td>Pressure cast zinc, plated</td>
</tr>
<tr>
<td>Strike</td>
<td>Standard: 1/4&quot; lip, ANSI, DPS, 1/4&quot; x 4&quot;</td>
</tr>
<tr>
<td>Optional: Additional strikes, lip lengths and ANSI strike box available</td>
<td></td>
</tr>
<tr>
<td>Cylinder and keys</td>
<td>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</td>
</tr>
</tbody>
</table>

### Compatible cylinders

<table>
<thead>
<tr>
<th>Schlage key systems</th>
<th>Conventional key-in-lever cylinder</th>
<th>Full size interchangeable core</th>
<th>Small format interchangeable core</th>
</tr>
</thead>
<tbody>
<tr>
<td>With cylinder</td>
<td>P, P6, Z</td>
<td>M, R</td>
<td>G7</td>
</tr>
<tr>
<td>Construction Core</td>
<td>----</td>
<td>T</td>
<td>H</td>
</tr>
<tr>
<td>Disposable Core</td>
<td>----</td>
<td>----</td>
<td>BDC</td>
</tr>
<tr>
<td>Less Cylinder</td>
<td>L</td>
<td>J</td>
<td>B</td>
</tr>
<tr>
<td>Sargent - Less Cylinder</td>
<td>LSAR</td>
<td>J-SAR</td>
<td>----</td>
</tr>
<tr>
<td>Corbin - Less Cylinder</td>
<td>L-C06</td>
<td>J-C06, J-C07</td>
<td>----</td>
</tr>
<tr>
<td>Yale - Less cylinder</td>
<td>----</td>
<td>J-YA6, J-YA7</td>
<td>----</td>
</tr>
<tr>
<td>Medeco - Less cylinder</td>
<td>----</td>
<td>J-MED</td>
<td>----</td>
</tr>
</tbody>
</table>

Compatible cylinders listed above are supported on all levers.

### Multi-technology reader specifications

<table>
<thead>
<tr>
<th>Credential technologies</th>
<th>Proximity (125 kHz), Smart (13.56 MHz), Bluetooth Low Energy (BLE) (2.4 GHz), and Near Field Communication (NFC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standards</td>
<td>ISO standard 15693 and ISO14443</td>
</tr>
<tr>
<td>Maximum read range</td>
<td>Proximity: up to 125&quot; Smart: up to .75&quot; Bluetooth Low Energy: up to 15' NFC mobile device dependent</td>
</tr>
<tr>
<td>Proximity credential compatibility</td>
<td>Compatibility: Schlage®, ISONAS™, HID®, GE/CASIO ProxLite®, AVID® and LenelProx®</td>
</tr>
<tr>
<td>Mobile credential compatibility</td>
<td>Schlage Mobile Access Credential with Bluetooth®, Integrated PACS mobile credential with Bluetooth®, NFC-enabled mobile devices</td>
</tr>
</tbody>
</table>

### NDE to NDEB Retrofit Kit

Retrofit kits are available allowing the upgrade of existing NDE locks to the NDEB model, adding mobile enabled functionality and new functions supported by an interior push button with indication.

- Kit includes: Interior escutcheon with PCB and DPS with lead (requires modified door prep)*
- Kit requires reuse of exterior of lock, lock chassis, existing lever housing cages, battery cover, mounting screws and interior mounting plate.

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1. No-four applications require a 4KB byte Schlage MIFARE smart credential.
2. Supported through ENGAGE.
3. Dependent on PACS provider capabilities. Visit us@verkada.com for more information.
4. See minimum support guidelines.
5. Specify CE-5901-0402 for ISONAS credential party.
Ordering information

NDEB - P6 - SPA - 626

<table>
<thead>
<tr>
<th>Series</th>
<th>Lever style</th>
<th>Outside level</th>
<th>Finish</th>
<th>Lever style</th>
<th>Inside level</th>
<th>Finish</th>
<th>Backset and latch</th>
<th>Strike</th>
<th>Dim</th>
<th>Additional details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NDEB</td>
<td>Cylindrical (storeroom)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>P6</td>
<td>Schlage 6-pin Conventional key-in-lever</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Selections correspond with the numbers above.

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

<table>
<thead>
<tr>
<th>3/5</th>
<th>Lever style</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/5</td>
<td>ATH</td>
<td>Athens*</td>
</tr>
<tr>
<td>3/5</td>
<td>BRK</td>
<td>Boardwalk*</td>
</tr>
<tr>
<td>3/5</td>
<td>BRW</td>
<td>Broadway*</td>
</tr>
<tr>
<td>3/5</td>
<td>LAT</td>
<td>Latitude</td>
</tr>
<tr>
<td>3/5</td>
<td>LCN</td>
<td>Longitude</td>
</tr>
<tr>
<td>3/5</td>
<td>OME</td>
<td>Omega</td>
</tr>
<tr>
<td>3/5</td>
<td>RHO</td>
<td>Rhodes*</td>
</tr>
<tr>
<td>3/5</td>
<td>SPA</td>
<td>Sparta*</td>
</tr>
<tr>
<td>3/5</td>
<td>TLR</td>
<td>Tubular*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4/6</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/6</td>
<td>626</td>
</tr>
<tr>
<td>4/6</td>
<td>605</td>
</tr>
<tr>
<td>4/6</td>
<td>606</td>
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<td>4/6</td>
<td>619</td>
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<tr>
<td>4/6</td>
<td>621</td>
</tr>
<tr>
<td>4/6</td>
<td>625</td>
</tr>
<tr>
<td>4/6</td>
<td>643e</td>
</tr>
<tr>
<td>4/6</td>
<td>626AM</td>
</tr>
</tbody>
</table>

Levers styles

The NDE shares the same levers as the Schlage ND mechanical lock. All NDE locks feature mechanical key overrides for standard, SFIC or PSIC options available.

Lever styles:

- Athens
- Boardwalk
- Broadway
- Latitude
- Longitude
- Rhodes
- Sparta
- Tubular

Finishes

Warm tone finishes:

- 605 Bright brass
- 606 Satin brass
- 602 Satin bronze
- 643e Aged bronze

Cool tone finishes:

- 619 Satin nickel
- 622 Matte black
- 625 Bright chrome
- 626 Satin chrome
- 626AM Satin chrome with antimicrobial

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.
"Offline" Integration

Connection Overview

- Connect to WIFI—then to Command Direct: Engage Online
- No AC4I needed
- Once every 24hr updates for standard events
- Once every 24hr updates for configurations (including new users)
- Real-time Tamper & DFO events
- Battery & Connectivity in Command
- No Web Unlock
- No Lockdown Support
- No Verkada Pass Support (Web Unlock or Bluetooth)
- IPB (Interior Push Button) — lock door from inside with a push button. Puts door into storeroom function (no one can unlock from outside)

Engage Offline Integration

Wifi Integration

Engage Series Wireless Locks | Cloud | Devices

Access Control Anywhere | Verkada Simplicity
# Ordering Information

## Engage Series Wireless Lock pricing

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
<th>Cost (MSRP) USD</th>
</tr>
</thead>
<tbody>
<tr>
<td>NDEB</td>
<td>Cylindrical Lock</td>
<td>$1,224</td>
</tr>
<tr>
<td>LEBMS-GRW</td>
<td>Mortise Lock</td>
<td>$1,488</td>
</tr>
<tr>
<td>LEBMS-ADD</td>
<td>Mortise Lock</td>
<td>$1,531</td>
</tr>
<tr>
<td>GWE</td>
<td>Engage Hub</td>
<td>$567</td>
</tr>
</tbody>
</table>

*Up to 4 locks can be added to an AC41 Door Controller.*