Overview

AD Series electronic locks from Schlage are designed to be modular and provide more options to choose from, more functionality in the lock and more compatibility with existing systems. Its patent-pending modular design allows the lock to be customized to fit the needs of an application now, and can change to meet future needs without removing it from the door.

Factory orderable options include choices of credential readers, chassis type, locking functions, power options, lever styles and finishes. It also offers a wide selection of features that can be configured in the field to customize your openings.

The AD-200 is a simple, economical solution if no access control system currently exists in facility, or for openings that don’t require the control of a networked solution. The AD-200 is easily upgradable to a networked lock if requirements change in the future.

On all AD Series standalone locks, Schlage has built in many of the incremental features needed in a networked system such as request-to-exit and -enter sensors, interior cover tamper guard, as well as the door position switch. This way, if the customer chooses to network this opening in the future, all the components will be there to make the transition an easy one.

Features and benefits

- Security that’s more intelligent and convenient than traditional mechanical locking devices
- Audit trail reports that allow you to track usage and events
- Update users and access rights at the lock using the keypad or handheld device
- The ability to upgrade to a networked solution without removing the lock from the door
- Available in cylindrical, mortise, mortise deadbolt and exit trim
- Compatible with major brands of master key systems and exit devices
- Hardwired remote push button release capability
- Allows use of current aptiQ (Schlage) mobile credential utilizing NFC technology
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C, FCC Part 15, ADA, RoHS, FL12400, FL1591, FL13013 and FL14482

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1 Refer to the Schlage/aptiQ mobile credential compatibility chart for a list of certified devices.
2 Applies to cylindrical and mortise chassis only

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### AD-200 electronic lock specifications

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Users</strong></td>
<td>Up to 5000</td>
</tr>
<tr>
<td><strong>Audits</strong></td>
<td>Up to 5000</td>
</tr>
<tr>
<td><strong>Credential verification time</strong></td>
<td>≤ 1 second&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Visual/audible communications</strong></td>
<td>Tri-colored LEDs and audible indicators (field configurable)</td>
</tr>
<tr>
<td><strong>System interface</strong></td>
<td>Handheld Device (HHD)</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>4AA, 8AA, 12 VDC or 24 VDC</td>
</tr>
<tr>
<td><strong>Voltage range</strong></td>
<td>4 VDC to 26 VDC</td>
</tr>
<tr>
<td><strong>Max current requirement</strong></td>
<td>Up to 250 mA</td>
</tr>
<tr>
<td><strong>Battery life</strong></td>
<td>Up to 2 yrs with 4AA</td>
</tr>
<tr>
<td><strong>Operating temperature - exterior</strong></td>
<td>-31° to 151°F (-35° to 66°C)</td>
</tr>
<tr>
<td><strong>Operating temperature - interior</strong></td>
<td>32° to 120°F (0° to 49°C) (battery)</td>
</tr>
<tr>
<td><strong>Operating humidity</strong></td>
<td>0 - 100% non-condensing</td>
</tr>
<tr>
<td><strong>Certifications</strong></td>
<td>ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C, FCC Part 15, ADA, RoHS</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>Handheld Device (HHD)</td>
</tr>
</tbody>
</table>

#### Functions
- Classroom/storeroom<sup>2</sup>
- Office<sup>2</sup>
- Privacy
- Apartment

#### Standard status signals
- Lock/unlock status
- Mechanical key override
- Battery status

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**Schlage Utility Software on Handheld Device**

The Schlage Utility Software (SUS) on the Handheld Device (HHD) provides an easy way to manage people, audits and locks for simple access control management.

**Schlage Utility Software**
- Initialize lock and accessories
- Field configure devices
  - Credential reader formats
  - Lock function
  - Unlock period
  - Failure mode
  - Audible alarm on/off
- Service and diagnostics
  - Battery status
  - Validate hardware and software revision
  - Troubleshooting status signals
- New device template simplifies configuration

**HHD**
- 3.5 inch display
- Touch screen/keypad backlit
- 32-bit processor
- OS: Windows Mobile 6.5
- Memory: 128 MB RAM/256 MB ROM
- Battery: rechargeable Li-ion
- Dimensions: 5.1" x 2.8" x 0.65" (13.0 cm x 7.2 cm x 1.7 cm)
- Weight: 0.42 lbs (190 g)
- 5 ft (1.2 m) drop to steel surface, 2 drops per 6 sides

For replacement HHD devices with a serial cable connection, please contact Technical Support at 877.671.7011.

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1. Verification time is dependent on size of user base
2. Classroom/storeroom and office function not available with mortise deadbolt option.
### Mechanical specifications

<table>
<thead>
<tr>
<th>Chassis</th>
<th>Cylindrical</th>
<th>Mortise</th>
<th>Exit trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handing</td>
<td>Handed to order, field reversible</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANSI standard (Meets or exceeds)</td>
<td>A156.25</td>
<td>A156.25</td>
<td></td>
</tr>
<tr>
<td>Grade</td>
<td>Series 4000</td>
<td>Series 1000</td>
<td></td>
</tr>
<tr>
<td>Door thickness</td>
<td>1 1/4&quot; standard, 1 1/4&quot; to 2 1/4&quot; optional (available in 1/4&quot; increments)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Backset</td>
<td>Standard: 2 1/4&quot; 2 1/4&quot; only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional: 2 1/4&quot;, 3 3/4&quot;, 5&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latch bolt</td>
<td>Standard: 1/4&quot; throw</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional: 1/4&quot; throw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strike</td>
<td>Standard: 1 1/8&quot; lip, ANSI, 1 1/8&quot; x 4 7/8&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional: Additional configurations available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cylinder and keys</td>
<td>Schlage 6-pin Everest 29 S123 keyway</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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 proximity credential use

- **Compatibility:** Schlage®, XceedID®, HID®, GE/CASI ProxLite®, AWID® and LenelProx®
- **Schlage credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, and PVC adhesive disk

#### 13.56 MHz proximity credential use

- **Secure sector compatibility:** Schlage and aptiQ™ MIFARE Classic®, XceedID, Schlage MIFARE Plus®, Schlage and aptiQ MIFARE® DESFire® EV1 with PACSA, PIV and PIV+; aptiQ (Schlage) mobile credential utilizing NFC technology
- **CSN only compatibility:** DESFire, HID iClass® Inside Contactless Pico Tag® MIFARE, MIFARE DESFire EVI, ST Microelectronics® Texas Instruments Tag-it®; Phillips I-C ode®
- **Schlage credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, wearable wristband, NFC mobile, PVC adhesive patch

#### Certifications/standards

- FCC, UL 294 Listed, ISO standard 15693, and ISO standard 14443

#### Style/layout

- Option for 12 button, 3x4 matrix backlit keypad

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### Benefits of AD Series multi-technology readers:

- Reads multiple brands of both proximity (125 kHz) and smart (13.56 MHz) technologies with single reader
- Allows use of current aptiQ (Schlage) mobile credential utilizing NFC technology
- Allows facility to migrate to more secure credential technologies over time and as budgets permit

### Additional readers

- **Smart – iClass compatible**
  - Smart card reader only
  - Reads secure sector of HID iClass, iClass SE, iClass SEOS, iClass Standard Key, and iClass Elite Key; Schlage MIFARE Classic, MIFARE Plus, and MIFARE EVI

#### Magnetic stripe

- Available with choice of insertion or swipe style readers
- Triple track reader (1, 2 or 3), field configurable

#### Keypad

- Backlit keypad
- 12 button, 3x4 matrix

### Available AD Series reader modules

- Multi-technology
  - Proximity
  - Smart card
  - NFC mobile
- Smart – iClass compatible
  - Smart card
- Magnetic stripe (swipe)
- Keypad

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1. Request-to-exit switch optional for future network migration
2. Narrow design and reversible rim exits not compatible
3. 75 bit output format default. Configurable to other output formats. Check with access control provider for specific support
4. Smart card functionality dependent on access control software
5. Refer to the Schlage/aptiQ mobile credential compatibility chart for a list of certified devices

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AD Series exit trim

Installed with a universal mounting plate, the AD Series exit trim is compatible with the following exit devices:

- Von Duprin 98/99 & 98/99XP® Rim, surface vertical rod, mortise. Concealed vertical cable and concealed vertical rod on metal doors only.
- Von Duprin 22/22F® Rim, surface vertical rod
- Falcon 25 - Rim
- Sargent® 80° Series - Rim
- Precision™ 21 Rim 2100 converts to 21 with Precision's BP21 kit
- Corbin Russwin® 5000 Series - Rim
- Yale® 7000 - Rim
- Dorma® 9300 - Rim

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Schlage • AD-200
### Ordering information

Available through one of our GSA schedule 84 approved distributions; BAA options available.


<table>
<thead>
<tr>
<th>Series</th>
<th>Class</th>
<th>Chassis</th>
<th>Function</th>
<th>Reader</th>
<th>Lever style</th>
<th>Finish</th>
<th>Lever cylinder</th>
<th>Keying type</th>
<th>Handing</th>
<th>Battery</th>
<th>Backset and latch</th>
<th>Strike</th>
<th>Door thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>3 Lake</td>
<td>Chassis</td>
<td>Cylindrical</td>
<td>MS</td>
<td>Mortise</td>
<td>993R</td>
<td>Exit trim – Rim/CVC/CVR</td>
<td>993S</td>
<td>Exit trim – SVR</td>
<td>993M</td>
<td>Exit trim – mortise</td>
<td>993DT</td>
<td>Non-functioning dummy trim for exit</td>
<td></td>
</tr>
<tr>
<td>4 Function</td>
<td>70</td>
<td>Classroom/storeroom</td>
<td>50</td>
<td>Office</td>
<td>40</td>
<td>Privacy</td>
<td>60</td>
<td>Apartment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Reader</td>
<td>KP</td>
<td>Keypad</td>
<td>MG</td>
<td>Magnetic stripe (insertion)</td>
<td>MK</td>
<td>Magnetic stripe + keypad (insertion)</td>
<td>MS</td>
<td>Magnetic stripe (swipe)</td>
<td>MSK</td>
<td>Magnetic stripe + keypad (swipe)</td>
<td>MT</td>
<td>Multi-technology (125kHz and 13.56 MHz)</td>
<td>MTK</td>
</tr>
</tbody>
</table>

**6 Lever**

- ATH Athens
- BRK Boardwalk
- BRW Broadway
- LAT Latitude
- LON Longitude
- RHO Rhodes
- SPA Sparta
- TLR Tubular

Available with knurled surface

**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 Lever cylinder type**

**PD Schlage 6-pin Conventional key-in-lever cylinder**

See price book for other SFIC, FSIC and less cylinder options available. Compatible with Schlage, Sargent, Corbin, Medeco and Yale.

**9 Keyway type**

**S123 Everest 29**

See price book for other available keyway options including restricted keyways in Primus XP high security cylinders and master keying.

**10 Handing**

- RH Right handed
- LH Left handed

Field reversible

**11 Battery**

- 4B 4AA
- 8B 8AA

**12 Backset and latch or armor front**

- Cylindrical 13-049 2 1/4" backset, deadlatch, square corner, 1 1/8" x 2 1/4"
- Mortise 09-663 Armor front, 1 1/4" wide, square corner

See price book for other available strikes

**13 Strike**

- Cylindrical 10-025 1 3/4" lip, ANSI, no box, 1 1/4" x 4 7/8"
- Mortise 10-072 1 3/4" lip, 1 1/4" x 4 7/8" square corner, box

See price book for other available strikes

**14 Door thickness**

- 1 3/4"

Other thicknesses available between 1 1/8" and 2 1/4"

See price book for detail

### 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

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### 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](http://www.allegion.com).

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