Overview

The AD Series electronic locking platform is designed to be open and flexible. With its open architecture, the AD Series can be seamlessly integrated into most access control systems.

Schlage AD Series electronic locks combine all of the components typically found around the door; such as the reader, door position switch and the request-to-exit switch into one device; which simplifies installation and saves money.

Schlage AD Series electronic locks are available in hardwired and wireless configurations. The AD-300 locks are hardwired and provide the benefits of a traditional access control solution. The AD-400 locks are wireless and provide many of the key benefits without having to run wires directly to each opening.

The AD Series can be customized with seven (7) different credential reader options including keypad, magnetic stripe, and multi-technology which reads both proximity and smart cards. All card readers are available with keypad for multi-factor authentication, support is dependent on access control software. Designed to be modular, readers can easily be upgraded in the future to meet your changing credential needs.

System capabilities

Summary

- System capabilities:
  - As determined by OEM software provider
- AD-400 wireless devices:
  - Communicate to the controller via PIM400-TD2 (Wiegand or Clock & Data); each supports up to 2 devices
  - 900 MHz communication between AD-400 and PIM400 for secure, AES-128 bit encrypted transmission
  - Patent-pending wireless lockdown feature (10 seconds or less) preserves up to 2 year battery life
- AD-300 hardwired applications:
  - Communicates to the controller via PIB300-2D (Wiegand or Clock & Data); each supports up to 2 devices
- AD Series available with seven reader options and three chassis options shown on page 4
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C
AD-300 hardwired Wiegand system

AD-400 wireless Wiegand system

Note:
Complete specifications and certifications are detailed on individual data sheets which can be found on www.schlage.com/support.
For additional information contact 1-877-671-7011 or visit www.allegion.com/us
Schlage • Open architecture solution
System capabilities:

<table>
<thead>
<tr>
<th>Feature</th>
<th>PIM400-TD2</th>
<th>PIB300-2D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of wireless devices per PIM400</td>
<td>Up to 2</td>
<td>N/A</td>
</tr>
<tr>
<td>Number of locks per PIB300</td>
<td>N/A</td>
<td>Up to 2</td>
</tr>
</tbody>
</table>

Other Requirements

1. RLBD Dry Contact Relay Board: Consult your access control system provider for capability
2. Reader interface/gateway: Consult your access control system provider for capability

Readers (see supported credential formats below):

<table>
<thead>
<tr>
<th>Feature</th>
<th>PIM400-TD2</th>
<th>PIB300-2D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keypad only</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Magnetic stripe card</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Multi-tech - 125 kHz prox &amp; 13.56 MHz smart card</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>PIV &amp; PIV-I card compatible</td>
<td>AD-401</td>
<td>AD-301</td>
</tr>
<tr>
<td>Card + PIN</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Status monitors

1. Request to exit: Yes
2. Door position switch: Yes
3. Interior cover tamper guard: Yes
4. Lock/unlock status clutch position: No
5. Mechanical key override (ATK): No
6. Request to enter: Consult system provider
7. Low battery status: Consult system provider
8. Battery voltage level: N/A
9. Communication status: Yes
10. Remote lockdown/unlock (1) single device: Yes (<10 secs)
11. Remote lockdown/unlock >1 device: Yes (<10 secs)
12. Deadbolt position: No
13. Interior push button: No

Lock functions

1. Classroom/storeroom: Yes

Supported credential formats

<table>
<thead>
<tr>
<th>Proximity card (125 kHz):</th>
<th>Smart card (13.56 MHz):</th>
<th>Smart card (13.56 MHz) - reads card serial number only:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- AWID®</td>
<td>- Schlage® MIFARE Classic®</td>
<td>- HID iCLASS®</td>
</tr>
<tr>
<td>- GE/CASI®</td>
<td>- Schlage MIFARE Plus®</td>
<td>- DESFire®</td>
</tr>
<tr>
<td>- HID®</td>
<td>- Schlage MIFARE DESFire® EVI</td>
<td>- MIFARE®</td>
</tr>
<tr>
<td>- XceedID®</td>
<td>- aptiQ™ MIFARE Classic</td>
<td>- MIFARE DESFire EVI</td>
</tr>
</tbody>
</table>

Note: Additional card format info on ENGAGE™ Cloud-based Web and Mobile Applications Data Sheet.

1. Requires RLBD Dry Contact Board for supervised inputs and to create dry contact outputs. If supervised inputs are required our optional plugin relay board (RLBD) is required for the PIM400-TD2 and PIB300-2D. Consult with access control provider to determine if dry contacts or RLBD is required.
2. FIPS 201 Compliant option available: The AD Series can be used in applications which require approval by the U.S. Federal Government under HSPD-12 for FIPS 201 Compliance. Specific components are required, please see the AD-401 data sheet or AD-301 data sheet for complete details. Contact your system provider to confirm they are able to support your FIPS 201 credential format.
3. Chart represents default functionality in AD Series devices.
4. Wake up on Radio over PIM400-TD2 on up to 2 doors requires configuration via SUS.

Please contact 1-877-671-7011 for additional details on features and credentials supported.
Available AD Series reader modules

Multi-technology
- Proximity
- Smart card
- KEYPAD
FIPS 201-1 compliant option available (FMK)

Multi-technology
- Proximity
- Smart card

Magnetic stripe (insertion)
- KEYPAD

Magnetic stripe (swipe)
- KEYPAD

Compatible AD Series electronic locks from Schlage are built from the ground up to provide more options, more functionality and more compatibility than any other solution on the market today. Designed to suite with the most popular lever styles and finishes, Schlage AD Series locks can be configured to accept most major key systems. See cylinder compatibility data sheet (010432) for details.

Compatibility

Mortise Lock (AD-300/400-MS)

Cylindrical Lock (AD-/300/400-CY)

Exit Device Trim (AD-300/400-993)

The AD Series networked locks exit trims are exclusively compatible with exit devices made by Allegion when using the low current request to exit switch (RX-LC part # 050281 for Von Duprin 98/99 & Von Duprin 22/22F Rim/SVR devices and part number 650359 for Falcon 25 Rim devices).

Lever styles

Standard cylinders shown, SFIC and FSIC also available.

Sparta
Rhodes

Athens
Tubular

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

Availability AD Series reader modules

- Multi-technology
- Magnetic stripe (insertion)
- Magnetic stripe (swipe)
- Keypad
- Handheld device (HHD)

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.

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