AD-300
Networked Hardwired Electronic Lock

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, network configurations, locking functions, lever styles and finishes. It also offers a wide selection of features that can be configured in the field to customize your openings.

To simplify installation, the AD-Series combines all the hardware components required at the door for a complete access control system into one integrated design that includes the electrified lock, credential reader, request-to-exit and -enter sensors, door position switch, tamper switch and more.

The AD-300 has a number of features built in that are configurable in the field and a long list of items that can be monitored by access control software.

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

Features
- Open Architecture platform
- Panel interface options ensure seamless communication with your system
- Real-time communication between access control system and lock
- Field configurable Fail Safe/Fail Secure and other capabilities per code
- Available in cylindrical, mortise, mortise with deadbolt and exit trim
- Compatible with major brands of master key systems
- A wide selection of credential readers and networking options to choose from
- Now available with Magnetic Swipe Reader
### AD-300 Electronic Lock Specifications

**CredentiaL Verification Time**
- < 1 second

**Data Rate**
- RS485: 9.6 kbps

**Visual/Audible Communications**
- Tricolor LEDS & audible indicators (field configurable)

**System Interface**
- Wiegand or Clock & Data via PIB300 or RS485 directly

**Power Supply**
- 12 VDC or 24 VDC

**Voltage Range**
- 4 VDC to 26 VDC

**Max Current Requirement**
- Up to 250 mA

**Cable Specifications for Power**
- 18AWG, 2 Conductor (Belden 8760 or equivalent)

**Cable Specifications for Data**
- RS485: 9.6 kbps

**Cabling Distance for Data**
- AD-300 to Power Supply: up to 1000 ft (303 m)

**Cable Specifications for Accessories**
- 24AWG, 4 Conductor Shielded (Belden 9642 or equivalent)

**Cabling Distance for Accessories**
- AD-300 to PIB300 or ACP: RS485: up to 2000 ft (610 m)

**Operating Temperature**
- 31°F (-0.5°C) to 115°F (46°C)

**Operating Humidity**
- 5% to 95% non-condensing

**Certifications**
- ANSI/BHMA A156.25 Grade 1, UL 294, UL 10C, FCC Part 15, ADA, RoHS

**AD-Series Exit Trim**
- Available with choice of Insertion or Surface style readers
- Triple Track Reader (1, 2, or 3), field configurable
- ABA, ISO/ISOX Standard
- Reader can be cleaned without removing lock from door
- Option for 12 button, 3x4 matrix backlit keypad

**Keypad**
- Backlit keypad
- 12 button, 3x4 matrix backlit keypad

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### Panel Interface Board (PIB300-2D)

If the system requires Wiegand or Clock & Data protocol (other than a direct RS485 connection), the AD-Series span architecture platform connects up to two AD-300 locks to the Panel Interface Board (PIB300 - sold separately, if required) that seamlessly connects to an access control panel or reader interface board. All monitoring is captured at the remote monitoring station.

### PIB300-2D Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Range</td>
<td>PIB300 to Wiegand, RS485: up to 4000 ft</td>
</tr>
<tr>
<td></td>
<td>PIB300 to ACP: Wiegand or Clock &amp; Data</td>
</tr>
<tr>
<td></td>
<td>up to 500 ft</td>
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<tr>
<td>Visual/Audible</td>
<td>13 LEDs for Status Indicators</td>
</tr>
<tr>
<td>System Interface</td>
<td>Wiegand or Clock &amp; Data</td>
</tr>
<tr>
<td>Voltage Range</td>
<td>9.5 VDC to 26 VDC</td>
</tr>
<tr>
<td>Max Current Requirement</td>
<td>Up to 250 mA</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-31°F (-0.5°C) to 115°F (46°C)</td>
</tr>
<tr>
<td>Dimensions (HWD)</td>
<td>7.5” x 7.5” x 3” (18.0 cm x 18.0 cm x 7.6 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.25 lb (.57 kg)</td>
</tr>
<tr>
<td>Cable Specifications (PIB300 to ACP)</td>
<td>22AWG, 4 Conductor Shielded (Alpha 1298C or equivalent)</td>
</tr>
<tr>
<td>Certifications</td>
<td>NEEMA 1, 4, 4c, UL 294, PEC Part 15, RE6S</td>
</tr>
</tbody>
</table>

**Mechanical Specifications**

**Chassis**
- Cylindrical (Based on Schlage ND-Series)
- Mortise (Based on Schlage ND-Series)

**Hanging**
- Handled to Order, Flush Mountable

**ANSI Standard**
- Meets or exceeds A156.25 and A156.2 Series 4000
- Grade 1 strength and operational requirements

**Door Thickness**
- ANSI Series: 1-3/4” standard, 3-3/8” to 3-3/4” optional
- Mortise: 2-1/2” only

**Backset**
- 2-3/4” standard, 2-3/8”, 3-3/4” and 5” optional

**Latch Bolt**
- 1/2” throw for security latch standard, 3/4” throw optional

**Lever Material**
- Steel, plated to match finish symbols

**Strike**
- ANSI curved lip strike 1-1/4” x 4-9/16” or 1-1/2” lip to center standard, optional strikes lip lengths and ANSI curved lip strike 1-1/4” x 4-9/16” or 1-1/2” lip to center standard, optional strikes lip lengths available

**Cylinder/Keys**
- Schlage 6-pin Everest C123 keyway cylinder with two patented keys standard

**AD-Series Exit Trim**
- Available with choice of Insertion or Surface style readers
- Triple Track Reader (1, 2, or 3), field configurable
- ABA, ISO/ISOX Standard
- Reader can be cleaned without removing lock from door

**Keypad**
- Backlit keypad
- 12 button, 3x4 matrix backlit keypad

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**Reader Specifications**

**Frequency**
- 125 kHz proximity and 13.56 MHz smart card
- 13.56 MHz

**Standards**
- ISO Standard 15693 and ISO Standard 14443
- None

**Maximum Read Range**
- Card reader: up to 0.75”
- Contactless reader: up to 1.25”

**Compatibility (secure sector)**
- Schlage, XceedID™, MIFARE®, aq4Q™

**Compatibility (non-secure sector)**
- MIFARE®, HID (CLASS), Indala ProxTag, XceedID ID-X, XceedID ID-X2, XceedID ID-X3, XceedID ID-X4, XceedID ID-X5

**Compatible Schlage Credentials**
- Reads all credentials as AD-Series smart card and proximity readers

**Mechanical Specifications**

**Chassis**
- Cylindrical (Based on Schlage ND-Series)
- Mortise (Based on Schlage ND-Series)

**Hanging**
- Handled to Order, Field Reversible

**ANSI Standard**
- Meets or exceeds A156.29 and A156.2 Series 4000
- Grade 1 strength and operational requirements

**Door Thickness**
- 1-3/4” standard, 3-3/8” to 3-3/4” optional

**Backset**
- 2-3/4” standard, 2-3/8”, 3-3/4” and 5” optional

**Latch Bolt**
- 1/2” throw for security latch standard, 3/4” throw optional

**Lever Material**
- Steel, plated to match finish symbols

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**Available AD-Series Reader Modules**

- Proximity
- Smart Card
- Multi-Technology

**Additional Readers**
- Magnetic Stripe
- Card reader
- 12 button, 3x4 matrix backlit keypad

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**Dimensions**

- 7.5” x 7.5” x 3” (18.0 cm x 18.0 cm x 7.6 cm)

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*Interior pushbutton, mechanical key override and deadbolt position are only available when connected via RS485."