# SCHLAGE

# AD-250
## Standalone 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 magnetic stripe 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-250 is a unique solution in which the credential, not the lock, carries access rights on a magnetic stripe card. This allows dynamic rights management on the card without reprogramming each lock in the facility.  And the lock still maintains an audit trail of events at the door. This makes it a smart and economical solution for campus-like environments with a large number of users and offline openings.

On all AD-Series standalone/offline 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
- Update users and access rights using credentials instead of having to visit each lock
- The ability to upgrade to a networked solution without removing the lock from the door
- Available in cylindrical, mortise, mortise with deadbolt and exit trim
- Compatible with major brands of master key systems and exit devices
- Now available with Magnetic Swipe Reader
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL10C, FCC Part 15, ADA, RoHS

**Ingersoll Rand**
Security Technologies

## AD-250 Electronic Lock Specifications

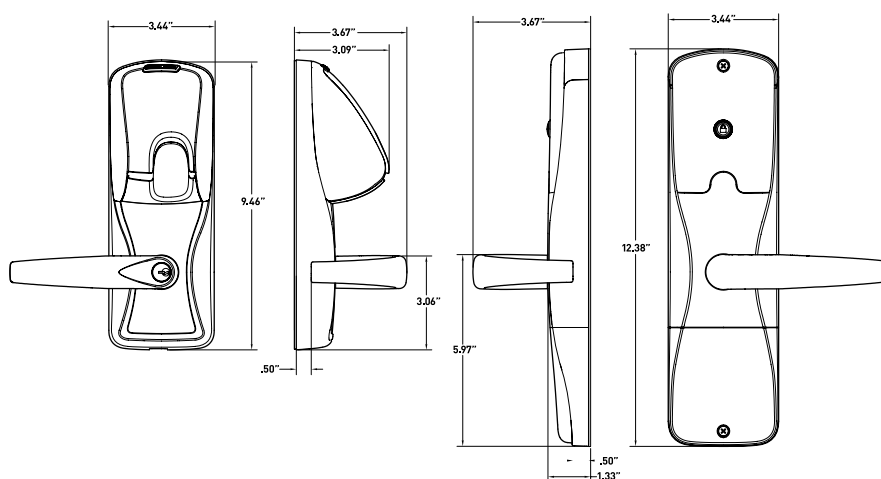| | |
|---|---|
| **Users** | Unlimited, dependant on software |
| **Audits** | Up to 10,000 |
| **Credential Verification Time** | ≤ 1 second |
| **Visual/Audible Communications** | Tri-colored LED's & audible indicators (field configurable) |
| **System Interface** | Handheld Device |
| **Power Supply** | 4AA, 8AA, 12 VDC or 24 VDC |
| **Voltage Range** | 4 VDC to 26 VDC |
| **Max Current Requirement** | Up to 250 mA |
| **Battery Life** | Up to 2 yrs with 4AA (8AA option available for extended battery life) |
| **Operating Temperature – Exterior** | –31° to 151°F (-35° to 66°C) |
| **Operating Temperature – Interior** | 32° to 120°F (0° to 49°C) (battery) |
| **Operating Humidity** | 0 - 100% condensing |
| **Certifications** | ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL10 C, FCC Part 15, ADA, RoHS |
| **Accessories** | Handheld Device (HHD), Magnetic Stripe Credential Encoder (CL-Encoder 2) |

## Functions

▶ *Classroom/Storeroom*

▶ *Office*

▶ *Privacy*

▶ *Apartment*

**Note:** Classroom/Storeroom and Office function not available with Mortise Deadbolt option. To ensure safety, all functions always allow for free egress.

## Standard Status Signals

▶ *Lock/Unlock Status*

▶ *Mechanical Key Override*

▶ *Battery Status*

## Dimensions



### AD-Series Exit Trim

*The AD-Series Exit Trim (installed with a universal mounting plate) 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

\* Request-to-Exit Switch optional for future network migration.

## 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 & Diagnostics
  - Battery Status
  - Validate hardware and software revision
  - Troubleshooting Status Signals

**HHD**

· 3.5 in LCD display
· Touch Screen/Keypad Backlit
· 32-bit processor
· OS: Windows Mobile 5.0
· Memory: 128 MB RAM/256 MB ROM
· Battery: Rechargeable 3.7 v, 1,230 mAH, Li-ion
· Dimensions: 5.3" x 2.9" x 0.7" (13.5 cm x 7.3 cm x 1.8 cm)
· Weight: 0.42 lbs. (190 g)
· 4 ft. (1.2 m) drop to steel surface, 2 drops per 6 sides

HHD is also compatible with CM, CL, VIP, WA and KC2 Series locks via a serial cable connection.



**The HHD connects with AD-Series and CO-Series locks and accessories via the USB interface**

## Mechanical Specifications

| Chassis | Cylindrical (Based on Schlage ND-Series) | Mortise (Based on Schlage L-Series) |
|---|---|---|
| Handing | Handed to Order, Field Reversible | |
| ANSI Standard | Meets or exceeds A156.25 and A156.2 Series 4000, Grade 1 strength and operational requirements | Meets or exceeds A156.25 and A156.13 Series 1000, Grade 1 operational and security |
| Door Thickness | 1-3/4″ standard, 1-3/8″ to 2-3/4″ optional (available in 1/8″ increments) | |
| Backset | 2-3/4″ standard, 2-3/8″, 3-3/4″ and 5″ optional | 2-3/4″ only |
| Latch Bolt | 1/2″ throw security latch standard<br>3/4″ throw optional | 3/4″ throw with anti-friction tongue standard<br>**1″ throw deadbolt on Mortise Deadbolt option***  |
| Levers | Pressure cast zinc, plated to match finish symbols | Steel, plated to match finish symbols |
| Strike | ANSI curved lip strike 1-1/4″ x 4-7/8″ x 1-3/16″ lip to center standard, optional strikes, lip lengths and ANSI strike box available | ANSI curved lip strike 1-1/4″ x 4-7/8″ x 1-3/16″ lip to center with dust box standard, optional strikes lip lengths available |
| Cylinder & Keys | Schlage 6-pin Everest C123 keyway cylinder with two patented keys standard<br>Additional options available including Standard, SFIC, FSIC and competitor brands | |

*Classroom/Storeroom and Office options not available with deadbolt.

**Reader Specifications and Modules**



**Magnetic Stripe**
(Swipe)

+ KEYPAD



**Magnetic Stripe**
(Swipe)



**Magnetic Stripe**
(Insertion)

+ KEYPAD



**Magnetic Stripe**
(Insertion)

- Triple Track Reader (1, 2 or 3), field configurable
- ABA, ISO76XX Standard
- Reader can be cleaned without removing lock from door
- 12 button, 3x4 matrix backlit keypad

- Triple Track Reader (1, 2 or 3), field configurable
- ABA, ISO76XX Standard
- Reader can be cleaned without removing lock from door

# Ordering Information

Available through one of our GSA Schedule 84 approved distributors, BAA options available

| AD | 250 | CY | 70 | MG | SPA | 626 | PD | C123 | RH | 4B | 13-049 | 10-025 | 1-3/4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Series | Class | Chassis | Function | Reader | Lever Style | Finish | Lever Cylinder | Keying Type | Handing | Battery | Backset & Latch | Strike | Door Thickness |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

## Selections Correspond With the Numbers Above

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

### 3 Chassis

| | |
|---|---|
| CY | Cylindrical |
| MS | Mortise |
| MD | Mortise Deadbolt |
| 993R | Exit Trim – Rim/CVR/CVC |
| 993S | Exit Trim – SVR |
| 993M | Exit Trim – Mortise |
| 993DT | Non-Functioning Dummy Trim for Exit |

### 4 Function

| | |
|---|---|
| 70 | Classroom/Storeroom |
| 50 | Office |
| 40 | Privacy |
| 60 | Apartment |

### 5 Reader

| | |
|---|---|
| MG | Magnetic Stripe (Insertion) |
| MGK | Magnetic Stripe + Keypad (Insertion) |
| MS | Magnetic Stripe (Swipe) |
| MSK | Magnetic Stripe + Keypad (Swipe) |
| DT | Dummy Trim |

### 6 Lever

| | |
|---|---|
| SPA | Sparta |
| RHO | Rhodes |
| ATH | Athens |
| 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 Full Cylinder

*See price book for other SFIC, FSIC and Less Cores options available. Compatible with Schlage, Sargent, Corbin, Medeco and Yale*

### 9 Keyway Type

**C123    Everest**

*See price book for other available keyway options including master keying*

### 10 Handing

| | |
|---|---|
| **RH** | **Right Handed** |
| LH | Left Handed |

*Field reversible*

### 11 Battery

| | |
|---|---|
| **4B** | **4AA** |
| 8B | 8AA |

### 12 Backset & Latch or Armor Front

**Cylindrical**
**13-049** 2-3/4" 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 mortise deadbolt and other backset and latch options or armor front options*

### 13 Strike

**Cylindrical**
**10-025** 1-3/16 Lip, ANSI, No Box, 1-1/4" x 4-7/8"

**Mortise**
**10-072** 1-3/16" 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 1-3/8" and 2-3/4
*See price book for detail.*

## Lever styles

Standard cylinders shown, SFIC and FSIC also available.



Sparta



Rhodes



Athens



Tubular

## 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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