AD-250
Offline 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, network configurations, 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 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

- 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

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) (no battery)
Operating Temperature - Interior	32° to 120°F (0° to 49°C) (battery)
Operating Humidity	0 - 100% condensing
Certifications	ANSI/BHMA A156.25 Grade 1, UL294, UL10 C, FCC Part 15, ADA
Accessories	Handheld Device (HHD), Magnetic Stripe Credential Encoder (CL-Encoder 2)

Functions

- *Classroom/Storeroom*
- *Office*
- *Privacy*
- *Apartment*

Note: 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*

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

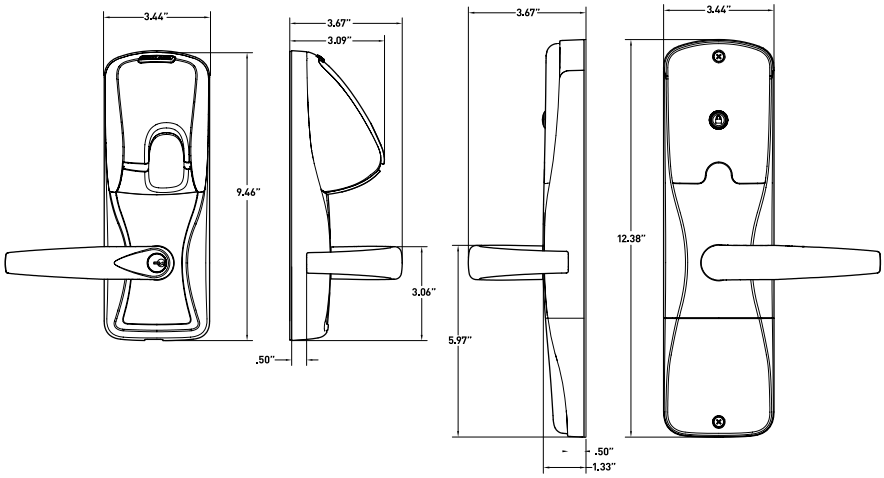
- Initialize Lock and Accessories
- Field Configure Devices
  - -Credential Reader Formats
  - -Lock Function
  - -Unlock Period
  - -Failure Mode
  - -Audible Alarm ON/OFF
- Service & Diagnostics
  - -Battery Status
  - -Validate hardware and software revision
  - -Troubleshooting Status Signals

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

The HHD connects with AD-Series locks via the USB interface

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
Rim, Concealed Vertical Rod, Surface Vertical Rod, Mortise. Request-to-Exit Switch optional for future network migration.

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 9000 - Rim

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 3/4″ throw optional	3/4″ throw with anti-friction tongue standard **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 Additional options available including Standard, SFIC, FSIC and competitor brands	

Reader Specifications and Modules

Magnetic Stripe

+ KEYPAD

- 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

Magnetic Stripe

- 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 GSA Schedule 84

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
993S	Exit Trim – SVR
993M	Exit Trim – Mortise

4 Function

70	Classroom/Storeroom
50	Office
40	Privacy
60	Apartment

5 Reader

MG	Magnetic Stripe
MGK	Magnetic Stripe + Keypad

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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