



AD-201

FIPS 201-1 Compliant Standalone Electronic Lock with Multi-Technology + Keypad Reader

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.

The AD-201 is an ideal solution for applications which require approval by the U.S. Federal Government under HSPD-12 for FIPS 201-1 compliance. The AD-201 standalone electronic lock with the FIPS 201-1 multi-technology + keypad (FMK) reader module is for use in U.S. Federal Agency buildings using PIV and PIV-I technology.

The AD-201 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-201 is easily upgradable to a networked FIPS 201-1 compliant lock if requirements change in the future.

The AD-200 lock can be field upgraded to a FIPS 201-1 compliant solution simply by adding the FMK reader sold separately and by using the most current firmware revision.

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

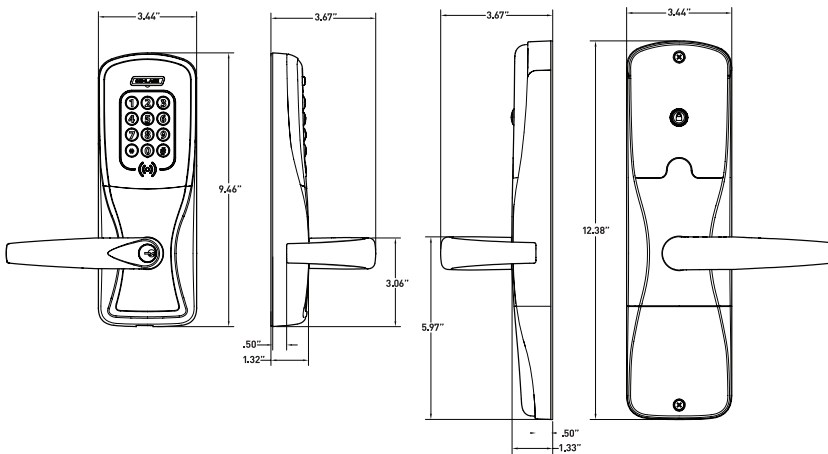
- Security that's more intelligent and convenient than traditional mechanical locking devices
- Audit trail reports that allow you to track usage and events
- Update users and access rights at the lock using the keypad or handheld device
- The ability to upgrade to a networked solution without removing the lock from the door
- Available in cylindrical, mortise, mortise with deadbolt and exit trim
- Compatible with major brands of master key systems and exit devices
- AD-Series with FIPS 201-1 multi-technology readers are NFC compatible*
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL10C, FCC Part 15, ADA, RoHS

* Please refer to aptiQmobile compatibility chart for a list of certified devices

AD-201 Electronic Lock Specifications	
Users	Up to 5,000
Audits	Up to 5,000
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
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% non-condensing
Certifications	ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL10 C, FCC Part 15, ADA, RoHS
Accessories	Handheld Device (HHD)

* Verification time is dependent on size of user base

Dimensions



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
- New device template simplifies configuration

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 in a serial cable connection.

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



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 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 29 S123 keyway cylinder with two patented keys standard Additional options available including Standard, SFIC, FSIC and competitor brands	

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

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.

† Narrow design & reversible rim exits not compatible

FMK Multi-Technology Reader Specification	
Frequency	125 kHz proximity and 13.56 MHz smart card
Standards	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 compatibility	Schlage Proximity, XceedID™ Proximity, HID® Proximity, GE/CASI ProxLite®, AWID® Proximity, LenelProx®
13.56 MHz compatibility	Schlage MIFARE® Secure Sector, XceedID™ MIFARE® Secure Sector, aptiQ™ Smart Cards using MIFARE DESFire™ EV1 with PACSA; PIV and PIV-I*
13.56 MHz compatibility (serial number only)	DESFire® CSN, HID iCLASS® CSN, Inside Contactless PicoTag® CSN, MIFARE®, MIFARE DESFire™ EV1, ST Microelectronics® CSN, Texas Instruments Tag-It® Serial Number, Phillips I-Code® CSN
125 kHz Compatible XceedID Credentials	125 kHz Clamshell, ISO Card, ISO Card w/ Magnetic Stripe, Keyfob, and PVC Disk (7000 Series)
13.56 MHz Compatible aptiQ™ Credentials	aptiQ™ smart cards using MIFARE® in Clamshell, ISO Card, ISO Card w/Magnetic Stripe, Keyfob and PVC Patch (9000 Series); aptiQ™ smart cards using MIFARE DESFire™ EV1 in Clamshell, ISO Card, ISO Card w/ Magnetic Stripe, Keyfob, and PVC Disk (8000 Series)
Certifications/Standards	FCC, UL 294, Listed, ISO Standard 15693, ISO Standard 14443, and FIPS 201-1
Style/Layout	Option for 12 button, 3x4 matrix backlit keypad

* The AD-Series FIPS 201-1 compliant option can be used in applications which require approval by the U.S. Government under HSPD-12 for FIPS 201-1

AD-Series FMK Reader Module



- **FIPS 201-1 Compliant Multi-Technology**

- FMK reader required for FIPS 201-1 Compliant multi-technology & keypad reader supporting both proximity and smart cards

 **KEYPAD**

Ordering Information

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

AD-201-CY-70-FMK-SPA-626-PD-S123-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	
FMK	FIPS 201-1 Compliant Multi-Technology + Keypad (125 kHz and 13.56 MHz)
6 Lever	
SPA	Sparta
RHO	Rhodes
ATH	Athens
TLR	Tubular
<i>Available with knurled surface</i>	

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
<i>See price book for other SFIC, FSIC and Less Cores options available. Compatible with Schlage, Sargent, Corbin, Medeco and Yale</i>	
9 Keyway Type	
S123	Everest 29
<i>See price book for other available keyway options including master keying</i>	
10 Handing	
RH	Right Handed
LH	Left Handed
<i>Field reversible</i>	
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
<i>See price book for mortise deadbolt and other backset and latch options or armor front options</i>	
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
<i>See price book for other available strikes</i>	
14 Door Thickness	
1-3/4"	
Other thicknesses available between 1-3/8" and 2-3/4"	
<i>See price book for detail</i>	

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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