AD-200

Standalone electronic lock

Overview

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, 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.
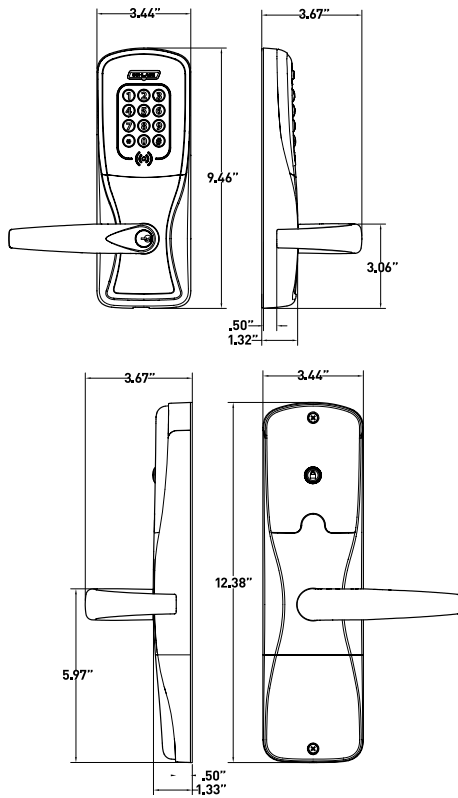
The AD-200 is a simple, economical solution if no access control system currently exists in facility, or for openings that don't require the control of a networked solution. The AD-200 is easily upgradable to a networked lock if requirements change in the future.

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 deadbolt and exit trim

- Compatible with major brands of master key systems and exit devices

- Now available with magnetic swipe reader

- AD Series with multi-technology readers are NFC compatible[1]

- FIPS 201-1 compliant when applied with the FIPS multi-technology plus keypad reader module (FMK)

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

[1] Please refer to aptiQmobile compatibility chart for a list of certified devices

AD-200 electronic lock specifications

Users	Up to 5000
Audits	Up to 5000
Credential verification time	≤ 1 second[1]
Visual/audible communications	Tri-colored LEDs and audible indicators (field configurable)
System interface	Handheld Device (HHD)
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	-31º to 151ºF (-35º to 66ºC)
Operating temperature - interior	32º to 120ºF (0º to 49ºC) (battery)
Operating humidity	0 - 100% non-condensing
Certifications	ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C, FCC Part 15, ADA, RoHS
Accessories	Handheld Device (HHD)

Functions

- Classroom/storeroom[2]
- Office[2, 3]
- Privacy[3]
- Apartment[3]

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 and 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

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

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

[1] Verification time is dependent on size of user base
[2] Classroom/storeroom and office function not available with mortise deadbolt option.
[3] Not available on exit trim

Mechanical specifications

Chassis	Cylindrical	Mortise	Exit trim
Handing	Handed to order, field reversible		
ANSI standard (Meets or exceeds)	A156.25 A156.2 Series 4000 Grade 1	A156.25 A156.13 Series 1000 Grade 1	A156.25 A156.3
Door thickness	1 3/4" standard, 1 3/8" to 2 3/4" optional (available in 1/8" increments)		
Backset	Standard: 2 3/4" Optional: 2 3/8", 3 3/4", 5"	2 3/4" only	Defined by exit device
Latch bolt	Standard: 1/2" throw Optional: 3/4" throw	Standard: 3/4" throw Optional: 1" throw on mortise deadbolt	Provided by exit device
Levers	Pressure cast zinc, plated	Steel, plated	Steel, plated
Strike	Standard: 1 3/16" lip, ANSI, 1 1/4" x 4 7/8" Optional: Additional configurations available please see price book		Provided by exit device
Cylinder and keys	Schlage 6-pin Everest 29 S123 keyway cylinder with two patented keys standard Additional options available including Standard, SFIC, FSIC and competitor brands		

Multi-technology reader specification

Frequency	125 kHz proximity and 13.56 MHz smart card
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[3, 4]
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 with 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 with magnetic stripe, Keyfob and PVC Patch (9000 Series); aptiQ™ smart cards using MIFARE DESFire™ EV1 in clamshell, ISO card, ISO card with magnetic stripe, keyfob, and PVC disk (8000 Series)
Certifications/standards	FCC, UL 294 Listed, ISO standard 15693, and ISO standard 14443
Style/layout	Option for 12 button, 3x4 matrix backlit keypad

[1] Request-to-exit switch optional for future network migration
[2] Narrow design and reversible rim exits not compatible
[3] 75 bit output format default. Configurable to other output formats. Check with access control provider for specific support.
[4] Smart card functionality dependant on access control software
[5] Please refer to aptiQmobile compatibility chart for a list of certified devices

AD Series exit trim

Installed with a universal mounting plate, the AD Series exit trim is compatible with the following exit devices:

- Von Duprin 98/99 & 98/99XP[1] Rim, surface vertical rod, mortise. Concealed vertical cable and concealed vertical rod on metal doors only.
- Von Duprin 22/22F[1] Rim, surface vertical rod
- Falcon 25[1] - Rim
- Sargent® 80[2] 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

Benefits of AD Series multi-technology readers:

- Reads both proximity (125 kHz) and smart (13.56 MHz) technologies with single device
- AD Series multi-technology readers are NFC compatible[5]
- Allows end user to migrate to more secure credentials over time and as budgets permit

Additional readers

Magnetic stripe
- Now available with choice of insertion or swipe style readers
- Triple track reader (1, 2 or 3), field configurable
- ABA, ISO76XX Standard
- Option for 12 button, 3x4 matrix backlit keypad

Keypad
- Backlit keypad
- 12 button, 3x4 matrix

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 (insertion)

Magnetic stripe (swipe)
- ➕ KEYPAD

Magnetic stripe (swipe)

Keypad

Ordering information

Available through one of our GSA schedule 84 approved distributions; BAA options available

AD – 200 – CY – 70 – MG – SPA – 626 – PD – S123 – RH – 4B – 13-049 – 10-025 – 1 ³⁄₄

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Series	Class	Chassis	Function	Reader	Lever style	Finish	Lever cylinder	Keying type	Handing	Battery	Backset and latch	Strike	Door thickness

Selections correspond with the numbers above

Standards 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/CVC/CVR
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
KP	Keypad
MG	Magnetic stripe (insertion)
MGK	Magnetic stripe + keypad (insertion)
MS	Magnetic stripe (swipe)
MSK	Magnetic stripe + keypad (swipe)
MT	Multi-technology (125kHz and 13.56 MHz)
MTK	Multi-technology + keypad (125kHz and 13.56 MHz)
FMK	FIPS 201-1 compliant multi-technology + keypad (125 kHz and 13.56 MHz)
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
S123	Everest 29

See price book for other available keyway options including master keying

10	Handling
RH	Right handed
LH	Left handed

Field reversible

11	Battery

4B	4AA
8B	8AA

12	Backset and 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.
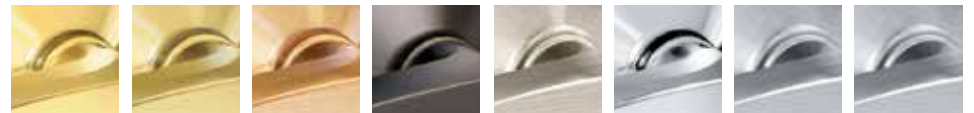

Sparta

Rhodes

Athens

Tubular

Finishes

Warm tone finishes Cool tone finishes

605 Bright brass

606 Satin brass

612 Satin bronze

643e Aged bronze

619 Satin nickel

625 Bright chrome

626 Satin chrome

626AM Satin chrome with antimicrobial

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