SCHLAGE.

Sielox

Integrated security solution

**with AD-400 wireless and
AD-300 hardwired devices and
Sielox Pinnacle™ server**

Overview

Schlage AD Series locks seamlessly integrate with Sielox Pinnacle Server to provide a cost effective and scalable access control solution to meet your security needs.

Schlage AD Series locks combine the components typically found around the door, such as the door position switch and the request to exit switch, into one unit which simplifies installation and saves money. And since they are designed to be modular, Schlage AD Series locks can easily be upgraded in the future to meet your changing security and technology requirements.

The AD Series is available in both hardwired and wireless configurations to suit the requirements of the facility. AD Series wireless locks provide many of the key benefits of a hardwired system including real-time monitoring, audit trails, centralized lockdown and instant access control management. In retrofit applications the Schlage AD Series wireless locks and devices, which eliminate the need to run wires direct to each opening, can help you extend the reach of your access control system.
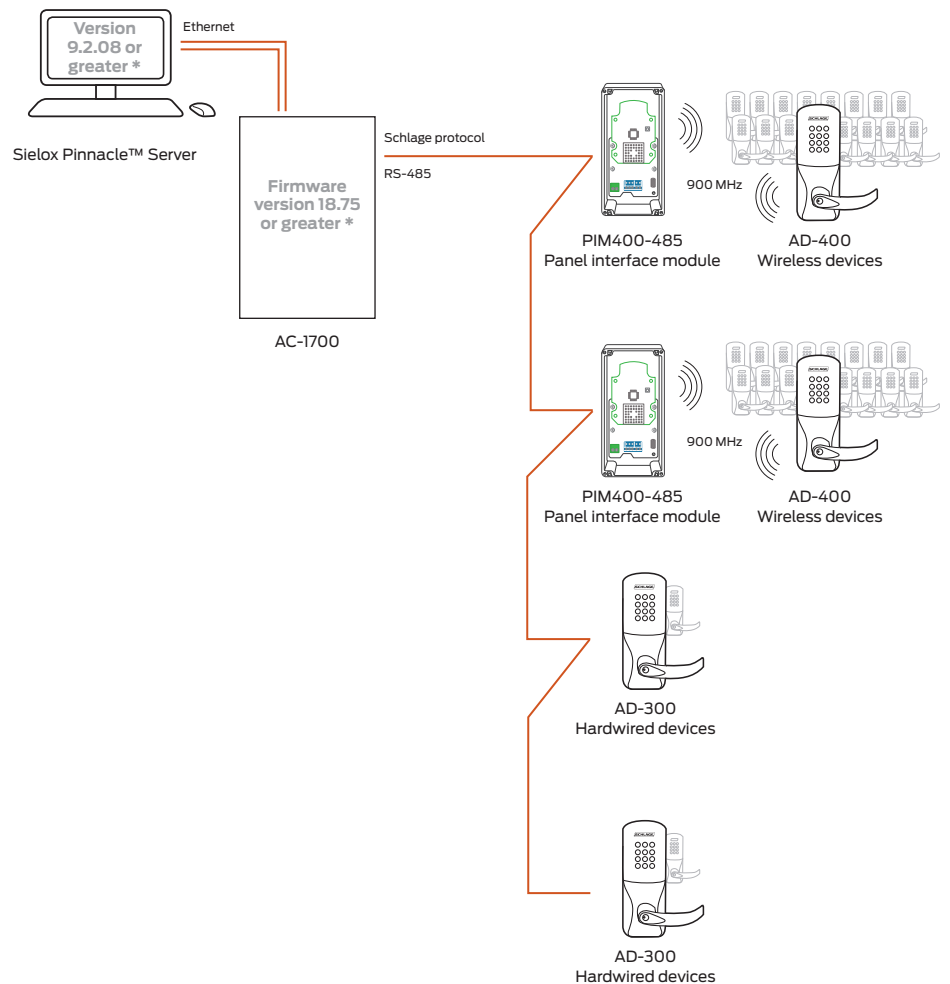
System Capabilities
Summary

- AD-400 wireless:
  – Secure 900 MHz wireless communication, AES-128 bit encrypted
  – Real time access control and monitoring
  – Powered by four (4) standard off-the-shelf AA batteries
  – Patent pending wireless lockdown /unlock feature via PIM400-485 (10 seconds or less) preserves up to 2 year battery life

- AD-300 hardwired:
  – Field configurable fail safe/fail secure

- Supports a maximum of 32 AD-400 wireless devices per AC-1700 controller

- Additional details on readers supported and chassis types available on page 3 and 4

- Weather resistant, exterior operating temperature: -31º to 151ºF (-35º to 66ºC)

- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C

AD-400 and AD-300 via RS-485 with Sielox Pinnacle™ and AC-1700™

- AC-1700 has a single RS-485 port that supports up to 16 AD-300 hardwired locks and/or 16 PIM400-485s with up to 32 AD-400 locks. When combining AD-300 and AD-400 locks there is a maximum of 32 total AD locks.

*Older versions of Sielox Pinnacle Software and Firmware will function but will support a different feature set. Please contact Sielox for more information.

Version 9.2.08 or greater *

Ethernet

Sielox Pinnacle™ Server

Firmware version 18.75 or greater *

AC-1700

Schlage protocol

RS-485

PIM400-485 Panel interface module

900 MHz

AD-400 Wireless devices

PIM400-485 Panel interface module

900 MHz

AD-400 Wireless devices

AD-300 Hardwired devices

AD-300 Hardwired devices

Note:

Please refer to AD-400, AD-300 and PIM400-485 data sheets for complete AD Series specifications. Please contact Sielox for Wiegand Solutions.

For additional information contact Sielox: 1.800.424.2126 or info@sielox.com

System capabilities:

Features	AD-400 PIM400-485	AD-300 Direct RS485
Maximum number of readers supported by controller/PIM	32	16
Maximum number of readers per PIM400	Up to 16	N/A
Maximum number of PIM400s per RS-485 port	Up to 16	N/A
Access control decision made by host or controller or by lock database	AC-1700	AC-1700
Remote Linking capability via Host	Yes	N/A
Readers - see supported card formats below		
Keypad only	Yes[1]	Yes[1]
Magnetic stripe card	Yes (ABA Tracks 1, 2, 3)	Yes (ABA Tracks 1, 2, 3)
Multi-technology - 125 kHz proximity and 13.56 MHz smart card	Yes	Yes
PIV & PIV-I card compatible	Yes[4]	Yes[4]
Card + PIN	No	No
Status monitors		
Request to exit	Yes	Yes
Door position	Yes	Yes
Mechanical key override	No	No
Request to enter	No	No
Low battery status	Yes	N/A
Communication status: RF/RS-485	Yes/Yes[2]	N/A
Remote lockdown/unlock	Yes (<10 sec)[3]	Yes
Deadbolt position	Yes	Yes
Interior push button	No	No
Lock functions		
Classroom/storeroom	Yes	Yes

Please contact Sielox for additional details on integrated features and credentials supported.

Supported card formats

Proximity cards (125 kHz):
- AWID®
- GE/CASI®
- HID®
- Schlage®
- XceedID®

Smart cards (13.56 MHz):
- aptiQ™ MIFARE Classic
- aptiQ™ MIFARE DESFire™ EV1
- PIV cards [4]

Smart cards (13.56 MHz) - reads card serial number only:
- HID iCLASS®
- DESFire®
- MIFARE®
- MIFARE DESFire™ EV1

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1. If keypad output mode is set to emulate a 26 bit Wiegand card (mode 7)
2. Requires Maintenance Screen Website to see status
3. if > 1 device unlock time is < 20 seconds
4. Yes for PIV cards, No PIV-I

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

Will support Keypad Only if output mode is set to emulate a 26 bit Wiegand card (mode 7)

Handheld device (HHD)

Used to initialize, configure, and test AD Series Devices

Compatibility

AD Series electronic locks from Schlage are built from the ground up to provide more options, more functionality and more compatibility than any other solution on the market today. Designed to suite with the most popular lever styles and finishes, Schlage AD Series locks can be configured to accept most major key systems. See lever and cylinder compatibility data sheet (010432).

Mortise Lock (AD-400/300-MS)

Cylindrical Lock (AD-400/300-CY)
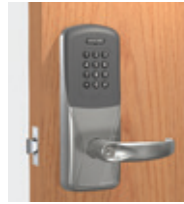
Exit Device Trim (AD-400/300-993)

The AD Series exit trims are exclusively compatible with exit devices made by Allegion when using the low current request to exit switch (RX-LC part # 050281 for Von Duprin 98/99 & Von Duprin 22/22F Rim/SVR devices and part number 650359 for Falcon 25 Rim devices).

Lever styles

Standard cylinders shown, SFIC and FSIC also available.

Sparta

Rhodes

Athens

Tubular

Finishes

Warm tone finishes
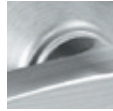
| 605 Bright brass | 606 Satin brass | 612 Satin bronze | 643e Aged bronze |

Cool tone finishes

| 619 Satin nickel | 625 Bright chrome | 626 Satin chrome | 626AM Satin chrome with antimicrobial |

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a $2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises 27 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. For more, visit **www.allegion.com.**

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