



Integrated security solution

with AD-300/301 hardwired, AD-400/401 wireless devices and Andover Continuum Netcontroller II and ACX 57XX Family of controllers



Overview

Schlage AD Series locks seamlessly integrate with Andover Continuum Netcontroller II and ACX 57XX family of controllers to provide a cost effective and scalable access control solution to meet your security needs.

Schlage AD Series locks combine all of 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.

Within Andover Continuum Cyberstation the Schlage locking device will look and function like a normal door. An XDriver at the controller level will provide access to these devices.

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.

AD-301 and AD-401 FIPS 201-1 compliant solutions available using FMK readers in Wiegand integrations only. Existing AD-300 and AD-400 locks can be upgraded to FIPS compliant solutions by replacing existing reader with new FMK reader. Please contact Schneider Electric to confirm they will be able to support your FIPS 201 credential format.

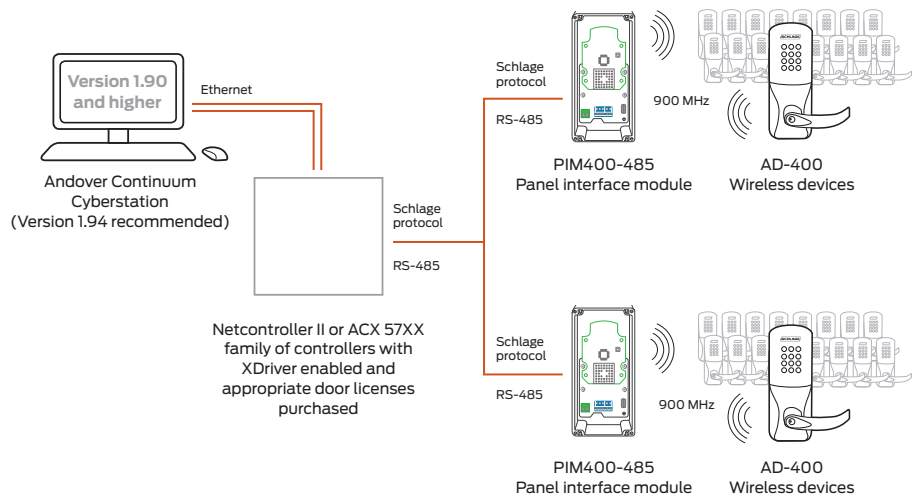
System Capabilities Summary

- AD-300 hardwired applications:
 - RS485 direct connection
 - Field configurable fail safe/fail secure
- AD-400 wireless applications:
 - Secure 900 MHz wireless communication, AES-128 encrypted
 - Real time access control and monitoring
 - Patent pending wireless lockdown /unlock feature via PIM400 in 10 seconds or less (preserves up to 2 year battery life)
 - Powered by four (4) standard off-the-shelf AA batteries
- Additional details on readers supported and chassis types available on page 3 and 4
- Weather resistant, exterior operating temperature: -31° to 151°F (-35° to 66°C)
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C

AD-400 via RS-485 with Andover Continuum Cyberstation

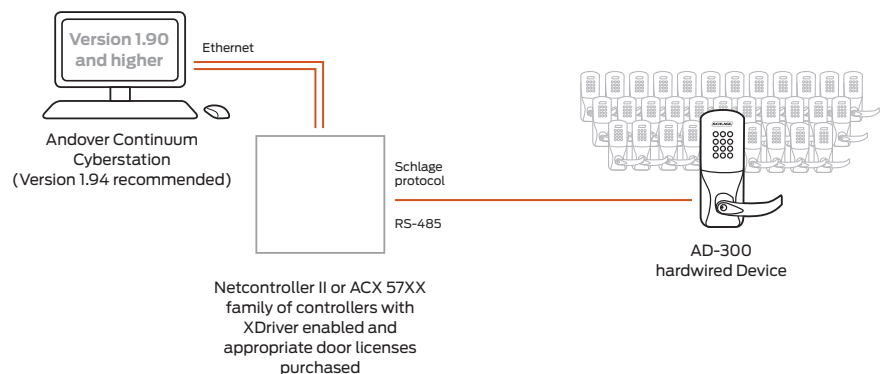
- Andover Continuum Controllers support up to 64 devices
 - Each connected PIM400-485 can support up to 16 devices
 - Each Andover Continuum controller supports 1 XDriver with up to 4 PIM400-485s daisy chained for a total of 64 devices
 - Up to 56 unique areas are supported in each access controller
- Wireless range up to 200' in typical building construction, up to 1000' line of site

Note: While not specifically shown, AD-300 and AD-400 can be managed by a common controller with total hardwired devices not to exceed 32 and up to 64 AD locks total.



AD-300 via RS-485 with Andover Continuum Cyberstation

- Andover Continuum Controllers support up to 32 devices via hardwired RS-485



Note:

Please refer to AD-300, AD-301, AD-400, AD-401 and PIM400-485 data sheets for complete AD Series specifications.

AD-301 and AD-401 FIPS 201-1 compliant locks are used exclusively in the Schneider Electric Wiegand solutions only.

For additional information contact Schneider Electric: 800.274.5551 or www.schneider-electric.com

System capabilities:

	AD-400 PIM400-485	AD-300 Direct RS485
Features		
Maximum number of readers supported by controller	64	32
Maximum number of readers per PIM400	16	N/A
Maximum number of PIM400s and/or AD-300s per RS-485 port	4 PIM400s	32 AD locks
Access control decision made by host or by lock database	Host	Host
Remote Linking capability via Host	No	N/A
Readers - see supported card formats below		
Keypad only	No	No
Magnetic stripe card	Yes (ABA Track 2) ¹	Yes (ABA Track 2) ¹
Multi-technology - 125 kHz proximity and 13.56 MHz smart card	Yes	Yes
PIV & PIV-I card compatible	Yes ²	Yes ²
Card + PIN	Yes	Yes
Status monitors		
Request to exit	Yes	Yes
Door position	Yes	Yes
Mechanical key override	Yes	Yes
Request to enter	No	No
Low battery status	Yes	N/A
Communication status: RF/RS485	Yes/Yes	Yes
Remote lockdown/unlock	Yes (<10 sec)	Yes
Deadbolt position	Yes	Yes
Interior push button	Yes	Yes
Lock functions		
Classroom/storeroom	Yes	Yes

Please contact Schneider Electric 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):

- PIV and PIV-I compatible²

Smart cards (13.56 MHz) - reads card serial number only:

- HID iCLASS®³
- DESFire®
- MIFARE®
- MIFARE DESFire™ EV1

¹ ABA Track 2

² AD-301 and AD-401 are supported FIPS 201-1 in Schneider Electric Wiegand solutions only. FIPS-201-1 compliant option available requires FMK reader. Schneider Electric supports FIPS 201 credentials when used in a Wiegand system only with our PIM400-TD2. The AD Series can be used in application which require approval by the US Federal Government under HSPD-12 for FIPS 201-1 compliance. Specific components are required, please see the AD-401 and AD-301 data sheets for complete details. Contact Schneider Electric to confirm they are able to support your FIPS 201-1 credential format.

³ Specific lock, firmware, and configuration required for Secure Sector of iCLASS credentials.

Please note: Only Continuum Credential 1 is supported

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 (swipe)

KEYPAD



Magnetic stripe (swipe)



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 (shown below)
(AD-300/400-MS)

Mortise Deadbolt Lock
(AD-300/400-MD)



Cylindrical lock
(AD-300/400-CY)



Exit Device Trim
(AD-300/400-993)



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

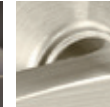


612
Satin bronze



643e
Aged bronze

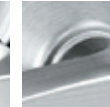
Cool tone finishes



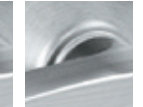
619
Satin nickel



625
Bright chrome



626
Satin chrome



626AM
Satin chrome with antimicrobial

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.

aptiQ ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN



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