



Integrated security solution

with AD-400/401 wireless and AD-300/301 hardwired devices and PremiSys™



Overview

Schlage AD Series locks seamlessly integrate with PremiSys™ by IDenticard 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.

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

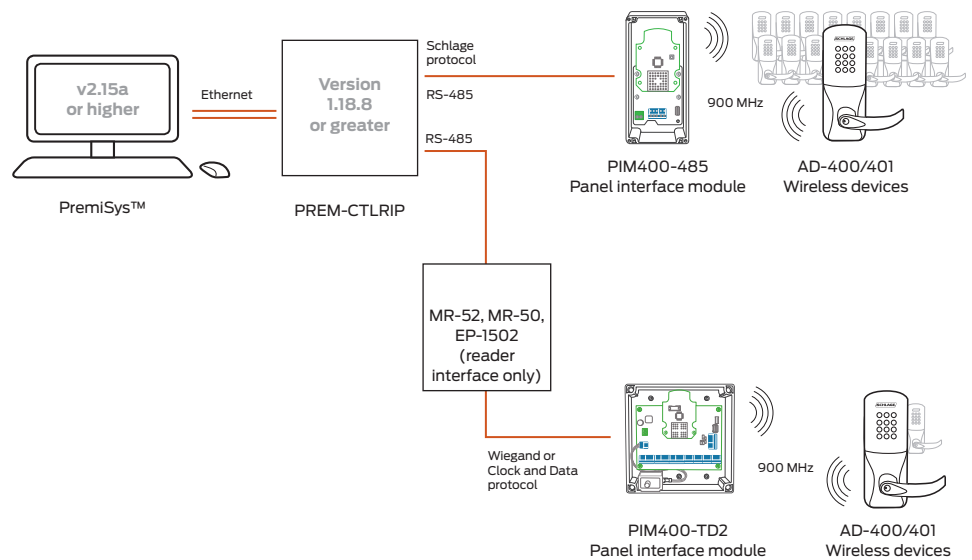
System Capabilities Summary

- AD-300 /301 hardwired:
 - Field configurable fail safe/fail secure
- AD-400/401 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 10 seconds or less (preserves up to 2 years battery life)
- 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)
- Additional wireless products also available
 - Wireless Portable Reader (WPR400) for muster stations, buses, etc.
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C

AD-400/401 via RS-485 with PremiSys™ and the IP Controller (PREM-CTRLIP)

- The IP Controller supports up to 64 doors across 2 RS-485 lines
 - Each connected PIM400-485 can support 16 wireless devices
 - Each connected PIM400-TD2 can support up to 2 wireless devices
- Wireless range up to 200' in typical building construction, 1000' clear line of sight

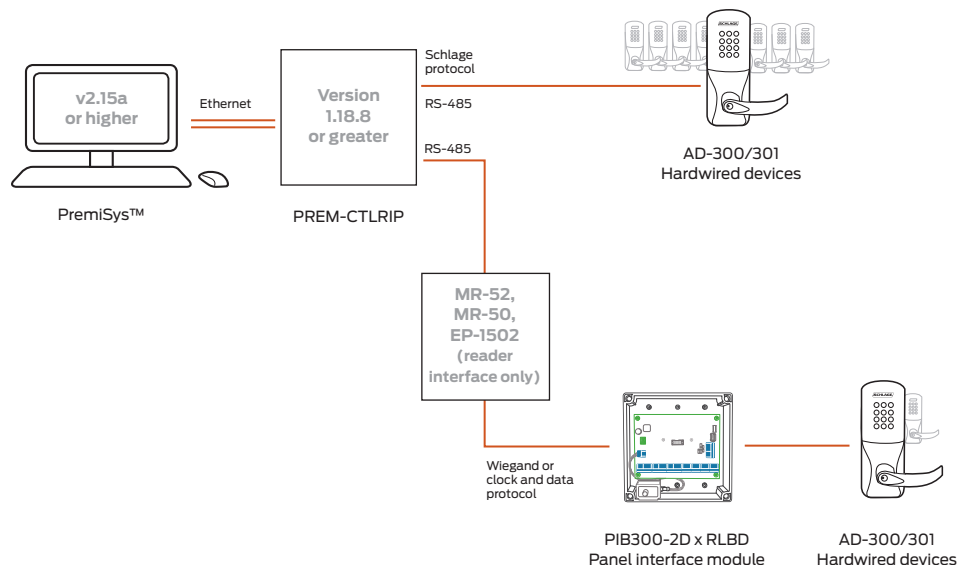
NOTE: Although not specifically shown, both AD-300s and AD-400s can be managed on a common port



AD-300/301 via RS-485 with PremiSys™ and the IP Controller (PREM-CTRLIP)

- The PREM-CTRLIP supports a maximum of 16 AD Series locks across up to 2 RS-485 ports.
- Each connected PIB300-2D can support up to 2 wired devices

NOTE: Although not specifically shown, both AD-300s and AD-400s can be managed on a common port



Note:

Please refer to AD-400, AD-401, AD-300, AD-301, PIB300-2D, PIM400-485, PIM400-TD2, and RLBD data sheets for complete AD Series specifications..

System capabilities:

	AD-400/401 PIM400-485	AD-400/401 PIM400-TD2	AD-300/301 Direct RS-485
Features			
Maximum Number of readers supported by controller	64	64	16
Maximum Number of readers per PIM400	16	2	N/A
Maximum Number of PIM400s and/or AD-300s per RS-485 port	Up to 8	Up to 8	Up to 8
Access control decision made by host software or by lock database	Host	Host	Host
Remote Linking capability via Host	No	No	N/A
Readers - see supported card formats below			
Keypad only	Yes	Yes	Yes (up to 15 digits)
Magnetic stripe card	Yes	Yes	Yes
Multi-technology - 125 kHz proximity and 13.56 MHz smart card	Yes	Yes	Yes
PIV & PIV-I card compatible ¹	Yes	Yes	Yes (+)
Card + PIN	Yes	Yes	Yes (up to 15 digits)
Status monitors			
Request to exit	Yes	Yes	Yes
Door position	Yes	Yes	Yes
Mechanical key override	No	No	No
Request to enter	No	No	No
Low battery status	Yes	Yes	N/A
Communication status: RF/RS485	Yes / Yes	Yes / Yes	Yes
Remote lockdown/unlock ²	Yes (<10 sec) ²	Yes ^{2,3}	Yes
Deadbolt position	No	No	No
Interior push button	No	No	No
Lock functions			
Classroom/storeroom	Yes	Yes	Yes

Please contact
IDenticard Systems
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 and PIV-I compatible¹

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

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

¹ FIPS-201-1 compliant option available requires FMK reader: The AD Series can be used in applications which require approval by the U.S. Federal Government under HSPD-12 for FIPS 201-1 compliance. Specific components are required, please see the AD-401 and AD-301 data sheet for complete details. Contact Imron to confirm they are able to support your FIPS 201-1 credential format.

² For greater than 1 device will be <20 sec

³ ** Wake-up on Radio over PIM400-TD2 on up to 2 doors requires configuration at PIM via HHD

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



Handheld device (HHD)

Used to initialize,
configure, and test
AD Series Devices

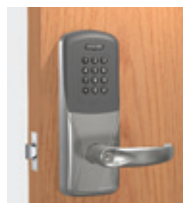
Compatibility

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-300/400-MS)



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



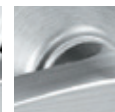
643e
Aged bronze



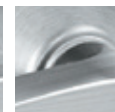
619
Satin nickel



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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