



Integrated security solution

with AD-400/401 wireless locks and AD-300/301 hardwired locks with System Galaxy Software



Overview

The AD Series electronic locking platform is designed to be open and flexible. With its open architecture, the AD Series can be seamlessly integrated into the System Galaxy Software with 600/635 Series controllers and DSI/DPI boards.

Schlage AD Series electronic locks combine the components typically found around the door; such as the reader, door position switch and the request-to-exit switch into one device; 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.

Schlage AD Series electronic locks are available in hardwired and wireless configuration. For new construction, the AD-300 hardwired locks provide all of the benefits of a traditional access control solution. For existing facilities, the AD-400 wireless locks provide real time access control without having to run wires direct to each opening. Both AD Series Locksets work seamlessly with the Galaxy Software and traditional door controllers and readers.

The AD Series can be customized with three (3) different credential reader options including keypad, magnetic stripe, and multi-technology which can read both proximity and smart cards. Designed to be modular, readers can easily be upgraded in the future to meet your changing credential needs.

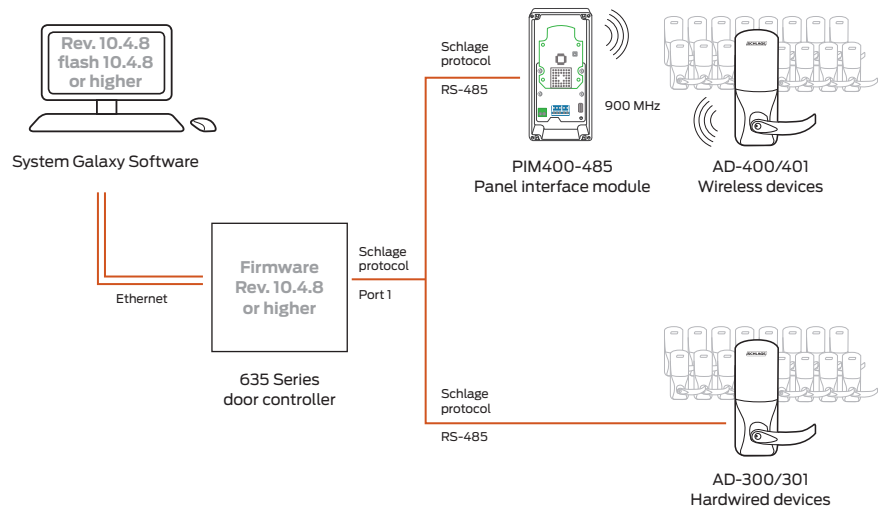
AD-401 and AD-301 FIPS 201-1 compliant solutions available using FMK reader. Existing AD-400 locks can be upgraded to FIPS compliant solutions by replacing existing reader with new FMK reader. Please contact Galaxy to confirm they are able to support your FIPS 201 credential format.

System Capabilities Summary

- AD-400 wireless applications:
 - Secure 900 MHz wireless communication, AES-128 encrypted
 - Real time access control and monitoring
 - Patent pending wireless lockdown /unlock feature in 10 seconds or less; preserves up to 2 year battery life
 - Powered by four (4) standard off-the-shelf AA batteries
- AD-300 hardwired applications:
 - Field configurable fail safe/fail secure
- 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.
 - Wireless Reader Interface (WRI400) Eliminate running wires to remote doors, gate, and elevator applications
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C

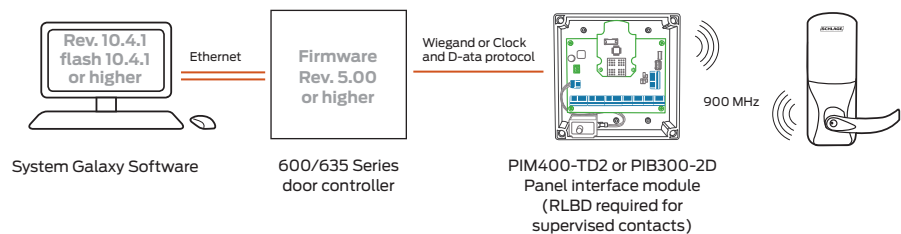
AD-400/401 via PIM400-485 or AD-300/301 via direct RS-485 connection

- 635 supports a maximum of 11 DSI boards with 2 ports each and a maximum of 64 devices depending on Galaxy enclosure selected
- Each DSI channel (2 total/per board) will support up to 16 PIM400-485s daisy chained and up to 16 AD-400 or AD-300 locks per channel
- Up to 16 AD-400/401s and/or AD-300/301s can be managed collectively on a single controller
- Wireless range up to 200' in typical building construction, up to 1000' line of sight



AD-400/401 via PIM400-TD2 or AD-300/301 via PIB300-2D

- 600/635 supports a maximum of 11 DPI and 22 devices depending on Galaxy enclosure selected.
- Each DPI can support up to 2 AD-400/401s and/or AD-300/301 combined distributed across one or two PIM400-TD2 or PIB300-2D
- Wireless range up to 200' in typical building construction, up to 1000' line of sight



Note:

Please refer to AD-300, AD-301, AD-400, AD-401, PIM400-485, PIB300-2D, and PIM400-TD2 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	AD-300/301 PIB300-2D
Features				
Maximum number of readers supported by controller/PIM/PIB	64	22	64	32
Maximum number of readers per PIM400/PIB300	Up to 16	Up to 2	N/A	Up to 2
Maximum number of PIM400s and/or AD-300s per RS-485 port	Up to 16 (DSI board)	Up to 2 (DPI board)	Up to 16 (DSI board)	Up to 2 (DPI board)
Access control decision made by host or by lock database	Host	Host	Host	Host
Remote Linking capability via Host	Yes	Yes	N/A	N/A
Readers - see supported card formats below				
Keypad only	Yes	Yes	Yes	Yes
Magnetic stripe card	Yes	Yes	Yes	Yes
Multi-technology - 125 kHz proximity and 13.56 MHz smart card	Yes	Yes	Yes	Yes
PIV & PIV-I card compatible ¹	Yes	Yes	Yes	Yes
Card + PIN	No	No	No	No
Status monitors				
Request to exit	Yes	Yes	Yes	Yes
Door position	Yes	Yes	Yes	Yes
Mechanical key override	No	No	No	No
Request to enter	No	No	No	No
Low battery status	Yes	Yes	N/A	N/A
Communication status: RF/RS485	Yes /Yes	Yes /Yes	NA/Yes	NA/Yes
Remote lockdown/unlock ²	Yes (<10 sec) ²	Yes (<10 sec) ^{2,3}	Yes	Yes
Deadbolt position	No	No	No	No
Interior push button	Yes	No	Yes	No
Lock functions				
Classroom/storeroom	Yes	Yes	Yes	Yes
Office	Yes	Yes	Yes	Yes
Privacy	Yes	Yes	Yes	Yes

Please contact System Galaxy Software 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 compliant option available: The AD Series can be used in applications which require approval by the US Federal Government under HSPD-12 for FIPS 201 compliance. Specific components are required, please see the AD-401 or AD-301 data sheet for complete details. Contact Galaxy to confirm they are able to support your FIPS 201-1 credential format.

² For >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)



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-400-MS)



Cylindrical Lock (AD-400-CY)



Exit Device Trim (AD-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

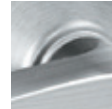
Cool tone finishes



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.

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