



## Integrated security solution

with AD-400 wireless devices and TotalCard Solution



### Overview

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

TotalCard is a cloud-hosted or customer-hosted campus card system that allows colleges and universities to monitor and control transactions, activities, and privileges. Institutions large and small trust TotalCard to do things like make debit purchases, automate time cards, gain admission to events, use facilities like laundry and vending and gain access to specific doors or buildings.

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.

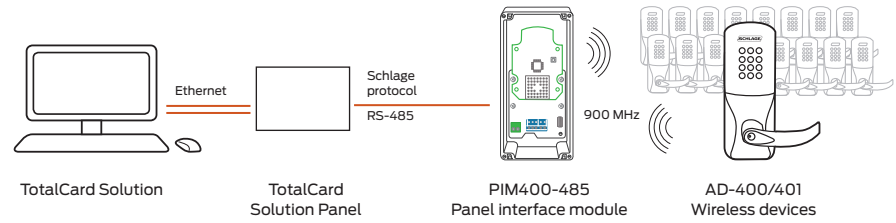
The AD Series is available in wireless configurations to suit the specific requirements of each campus. AD Series wireless locks provide many of the key benefits of a hardwired system including real-time monitoring, audit trails and centralized lockdown. The TotalCard system, in conjunction with AD Series wireless locks and devices, eliminates the need to run wire to each opening, helping you to reduce costs and 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 (10 seconds or less) preserves up to 2 year 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.
  - 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 RS-485

- TotalCard Solution supports up to 256 AD-400 devices per system.
- Each PIM400-485 supports up to 16 AD-400 devices
- Wireless range up to 200' in typical building construction, up to 1000' line of sight



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**Note:**

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

## System capabilities:

AD-400 PIM400-485

### Features

Maximum number of readers supported by controller/PIM	256
Maximum number of readers per PIM400	16
Maximum number of PIM400s per RS-485 port	Up to 16
Access control decision made by host or by lock database	Host
Remote Linking capability via Host	Yes

### Readers - see supported card formats below

Keypad only	Yes
Magnetic stripe card	Yes
Multi-technology - 125 kHz proximity and 13.56 MHz smart card	Yes
PIV & PIV-I card compatible <sup>1</sup>	Yes
Card + PIN	Yes

### Status monitors

Request to exit	Yes
Door position	Yes
Mechanical key override	Yes
Request to enter	No
Low battery status	Yes
Communication status: RF/RS-485	Yes /Yes
Remote lockdown/unlock <sup>2</sup>	Yes (<10 sec) <sup>2</sup>
Deadbolt position	No
Interior push button	No

### Lock functions

Classroom/storeroom	Yes
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Please contact TotalCard 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 compatible<sup>1</sup>

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

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

<sup>1</sup> 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 TotalCard to confirm they are able to support your FIPS 201-1 credential format.

<sup>2</sup> For greater than 1 device will be <20 sec.

## 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

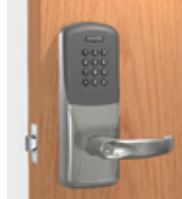
## Compatibility

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



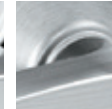
643e  
Aged bronze



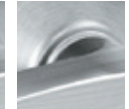
619  
Satin nickel



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](http://www.allegion.com).

aptiQ ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN



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