



Integrated Access Control Solution

with AD-400 Wireless Locks
and System Galaxy Software

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.

The AD-400 wireless locks provide real time access control with System Galaxy Software without having to run wires direct to each opening. In retrofit applications the Schlage AD-Series wireless locks and devices can help you extend the reach of your access control system.

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.



System Capabilities – Summary

- 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-Series available Reader options with System Galaxy Software:
 - Keypad
 - Magnetic Stripe
 - Multi-Technology (125 kHz proximity & 13.56 MHz smart)
- Available chassis options: Cylindrical Lockset, Mortise Lockset , Exit Trim
- 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, UL10 C

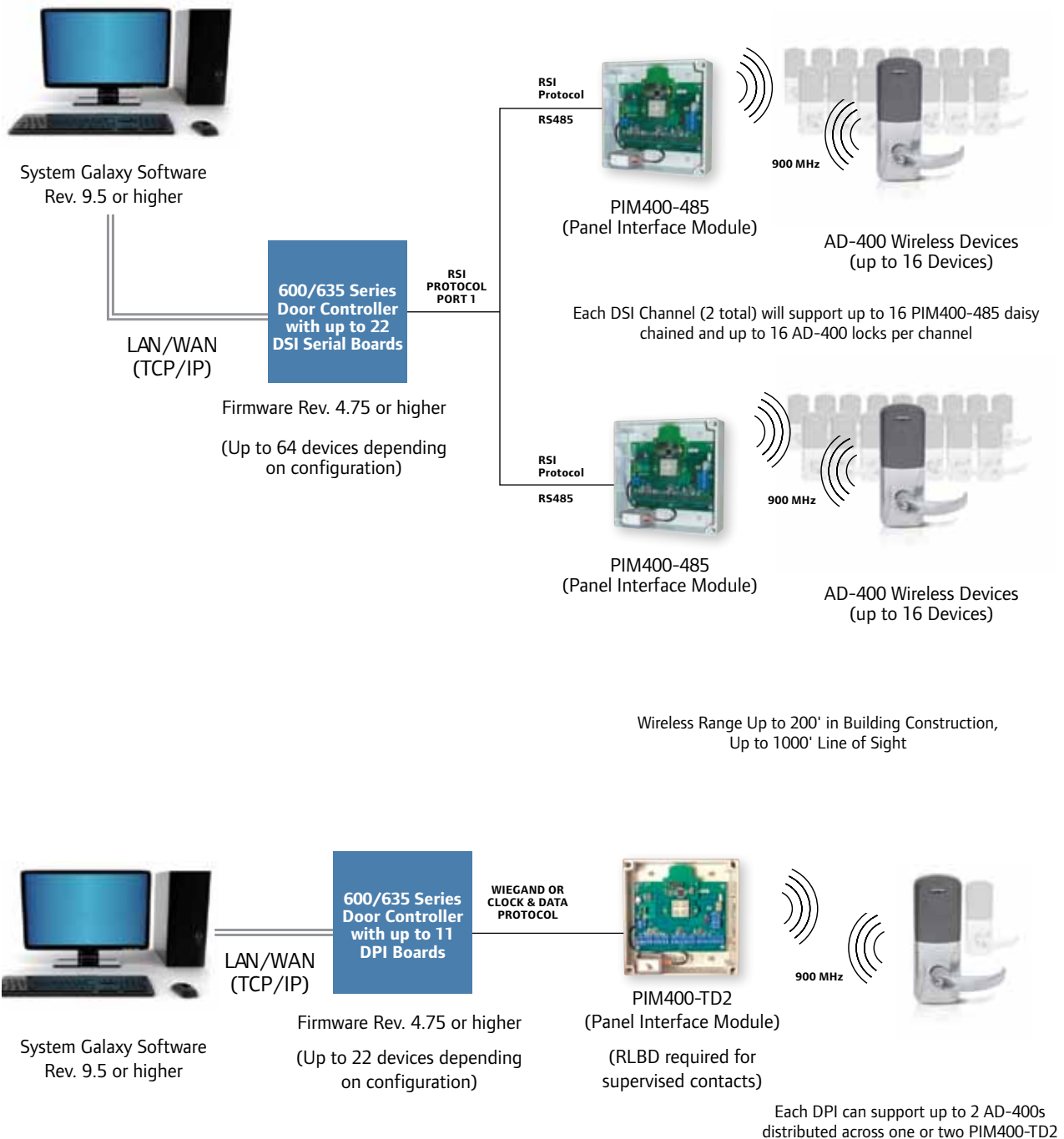
600/635 Series Controllers will support a maximum of 64 devices

AD-400 via PIM400-485

- 600/635 supports a maximum of 22 DSI depending on Galaxy enclosure selected.
- 600/635 supports a maximum of 64 devices depending on the Galaxy enclosure selected

AD-400 via PIM400-TD2

- 600/635 supports a maximum of 11 DPI depending on Galaxy enclosure selected.
- 600/635 supports a maximum of 22 devices depending on the Galaxy enclosure selected



NOTE: Please refer to AD-400, PIM400-485, and PIM400-TD2 data sheets for complete AD-Series specifications.

System Capabilities		
	AD-400	
	PIM400-485	PIM400-TD2
Features		
Maximum Number of devices supported by 600 / 635 Series controller	Up to 64	Up to 22
Maximum Number of devices supported per DSI board/DPI board	Up to 32 (per DSI board)	Up to 2 (per DPI board)
Maximum Number of devices per PIM400	Up to 16	Up to 2
Maximum Number of PIM400-485s per RS-485 Port	Up to 16	N/A
Communication to and from controller	RS485	Wiegand or Clock & Data
Access control decision made by Host software or by lock database	Host	
Configuration and Linking done via HOST or HHD (Handheld Device)	HHD	
Other System Requirements		
RLBD Dry Contact Relay Board	N/A	Optional**
Reader Interface / Gateway	DSI	DPI
Readers (see supported credential formats to the right)		
Keypad Only	Yes	
Magnetic Stripe Card	Yes	
Multi-Tech - 125 kHz Prox & 13.56 MHz Smart Card	Yes	
PIV & PIV-I Card Compatible*	Yes †	
Card + PIN	No	
Status Monitors		
Request to Exit	Yes	Yes
Door Position Switch	Yes	Yes
Interior Cover Tamper Guard	No	Yes
PIM400 Tamper Guard	No	No
Lock/Unlock Status Clutch Position	No	
Mechanical Key Override (ATK)	No	
Request to Enter	No	
Low Battery Status	Yes	
Battery Voltage Level	No	
Communication Status	Yes	
Remote Lockdown (from host)	Yes (<10 sec)***	
Remote Unlock (from host)	Yes (<10 sec)***	
Deadbolt Position	No	
Interior Push Button	No	
Lock Functions		
Classroom/Storeroom	Yes	

NOTE: Any feature currently shown as "No" consult Galaxy for availability.

Supported Proximity Cards (125 kHz):

- AWID®
- GE/CASI®
- HID®
- Schlage
- XceedID®

Supported Smart Cards (13.56 MHz):

- MIFARE®
- MIFARE DESFire™ EV1
- PIV & PIV-I Compatible*

Supported Smart Cards (13.56MHz)- Reads Card Serial Number Only:

- HID iClass®
- MIFARE DESFire®

Notes:

* FIPS201 Compliant Option Available: The AD-Series can be used in applications which require approval by the U.S. Federal Government under HSPD-12 for FIPS 201 Compliance. Specific components are required, please see the AD-401 data sheet or AD-301 data sheet for complete details.

† 75 bit format output default. Configurable to other output formats.

** Requires RLBD dry contact board for supervised inputs.

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

AD-Series Credential Reader Compatibility:



- **Multi-Technology**
 - Proximity
 - Smart Card
- **Magnetic Stripe**
- **Magnetic Stripe (Swipe)**
- **Keypad**



- **Handheld Device (HHD)**
Used to initialize, configure, and test AD-Series Devices

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.



Mortise Lock
(AD-400-MS)



Cylindrical Lock
(AD-400-CY)



Exit Device Trim (AD-400-993)

The AD-400 exit trims are exclusively compatible with exit devices made by Ingersoll Rand when using the low current request to exit switch (RX-LC part # 050281 for Von Duprin 98/99 & Von Duprin 22/22F Rim/SVR & part number 650359 for Falcon 25 Rim devices).

Configure Your Lock:

We have created a web-based product selector tool that can help you configure your AD-Series lock to meet your needs. To check out the tool, please visit www.schlage.com.



Cylinder Compatibility	Full Size (key-in-lever 6 pin)	Full Size (key-in-lever 7 pin)	FSIC (6 & 7 pin)	SFIC (6 & 7 pin)
Schlage	●		●	●
Falcon®	▲	◆		▲
Sargent® (10L + 11L Full Size)	▲		▲	▲
Corbin Russwin®			▲	▲
Yale® (also includes Medeco 31 *0100 FSIC)			▲	▲
Best®				▲

● = with cylinder or less cylinder options ▲ = less cylinder only
 ◆ = less cylinder only, only with Sparta and Rhodes levers Note: See pricebook for specific configurations.

Lever styles

Standard cylinders shown, SFIC and FSIC also available.



Sparta



Rhodes



Athens



Tubular

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

For additional information contact System Galaxy Software:
1-800-445-5560 Toll Free or www.galaxsys.com

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