Responsive Services International Corporation (RSI) sells IT related products in the Allegion Line of Security Equipment and Infrastructure. Many of these products are very new and based on wireless and/or cloud management systems with great performance and value.

The next few pages contain information about some of our most widely used Allegion products with further information about them in the links below:

ISONAS Pure Access Control - Cloud based software for controlling electronic Door Access hardware:

https://us.allegion.com/en/home/products/brands/isonas.html

Schlage Electronic Locks and Electronic Locks with HID Credential Support

https://commercial.schlage.com/en/products/electronic-locks/schlage-electronic-locks-with-hid-credential-support.html

More information on the Allegion Brands for School and Hospital Safety and Security are here: https://www.allegion.com/corp/en/products/business.html

All are available at the 15% TIPS discount, but most will require design to the specifications and needs of the school or hospital before being quoted. Please contact sales@responsive-services.com for assistance when you need a quote.

Stephen Miller

806-778-4213

stephen@rsi-support.com

ISONAS™

PURE IP ACCESS CONTROL

We're revolutionizing access control



with one simple solution.

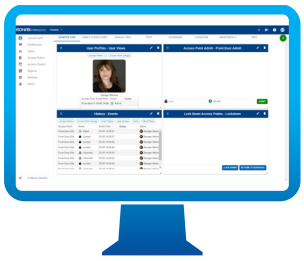
ALLEGION™

WE'RE CHANGING THE GAME IN ACCESS CONTROL

ISONAS delivers the one proven access control solution that offers network-based, Pure IP™ to-the door technology, now hosted in the cloud. Unlike traditional panel-based or IP-panel systems, we eliminate the need for cumbersome control panels at each and every access point, complex wiring and power supplies that are costly and regular maintenance across physical locations.

With our innovative Pure IP™ Reader-Controllers connected to our cloud hosted software, Pure Access, ISONAS provides a simpler and smarter alternative. Our innovative technology enables you to manage multiple locations in real-time through your existing network, lower your total cost of ownership, and experience the flexibility to go places your organization never imagined.

ISONAS PURE IP SOLUTION TOPOLOGY



HOST WITH PURE ACCESS

Easier *to Install & Operate*

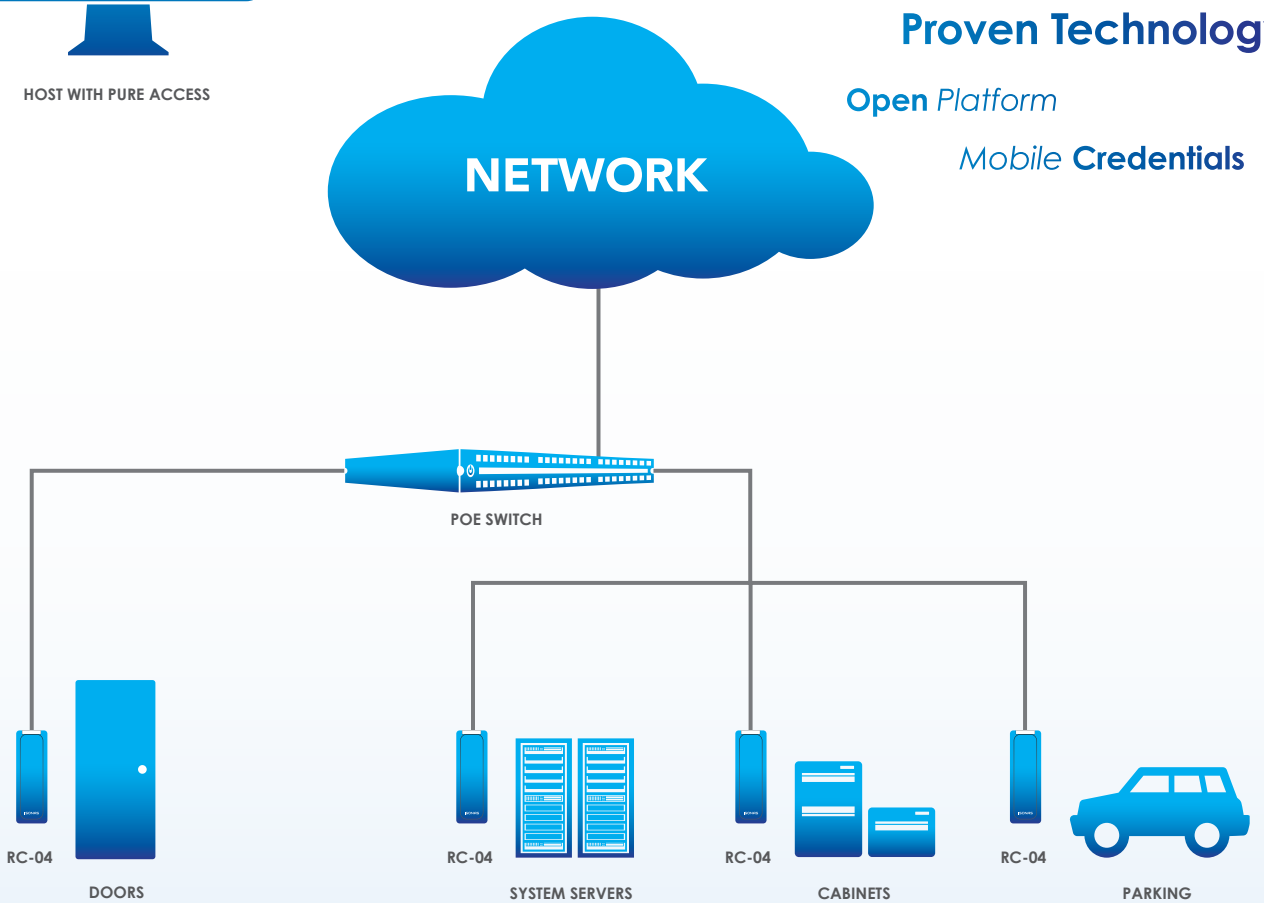
More **Flexible** *More* **Stable** *More* **Scalable**

Less Expensive

Proven Technology

Open *Platform*

Mobile **Credentials**



With cutting-edge technology that enables simple and secure access control through a single network connection, doors and physical locations are just the start of where you can go. ISONAS offers innovative solutions that have the flexibility to put access control at your fingertips—wherever you envision.

Imagine if a hospital could secure hundreds of medical cabinets, a school district could manage access to its entire fleet of buses, an underground mine could track the location of its workers miles below, or a mountaintop research center could control their servers miles above. These are just some of the diverse applications that ISONAS can tackle, revolutionizing what access control can do for you.

ACCESS CONTROL
BUILT FOR THE CLOUD

WHY ISONAS PURE IP?

EASIER TO INSTALL AND OPERATE
The only equipment you need at each access point is a network connection, CAT 5 Ethernet cable and your Pure IP™ Reader-Controller. This eliminates the need for complex wiring and reduces the amount of time and labor needed to install the system.

MIGRATION
The same way the encoder helped analog video cameras move to IP, our IP-Bridge 2.0 allows you to transition your customers from the Wiegand panel system to a Pure IP™-based solution. Providing them a cost effective solution for their system without having to rip and replace. Add our new R-1 Wiegand reader and convert your site to fully mobile credential compatible.

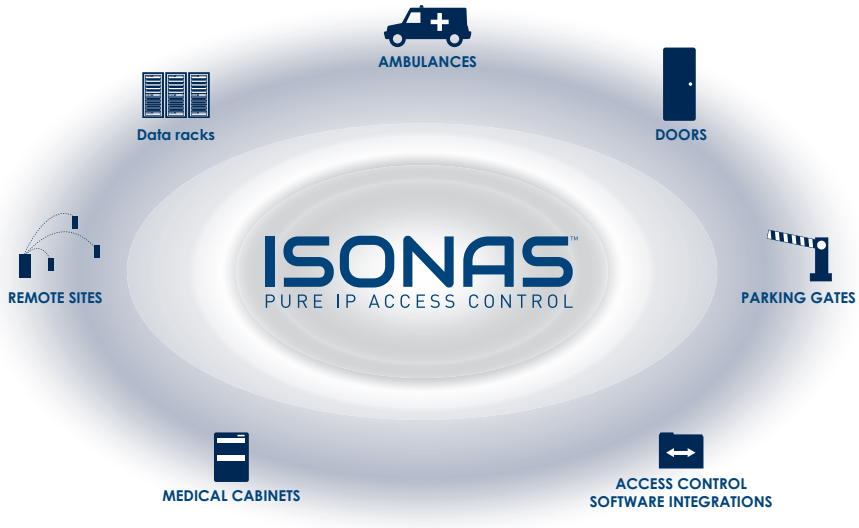
ANYWHERE, ANYTIME CLOUD ACCESS CONTROL
Pure Access Cloud is a fully hosted access control platform allowing for full installation, administration and management of our patented Pure IP™ access control hardware. Manage an unlimited number of access points across any geography from any device.

BUILT IN INTELLIGENCE
With over 64,000 permissions, 5,000 events and 32 time zones able to be stored on each Pure IP™ Reader-Controller the unit functions independently and prevents a single point of failure. So even if your network goes down your access control continues to function.

ADAPTABLE
The open platform of ISONAS provides power of choice. The web API allows custom experiences and drives enhanced productivity through Pure Access, by connecting disparate software solutions and streamlining operations across those systems. All while leveraging the access control expertise of Pure Access.

EASILY INTEGRATE ACROSS EXISTING SYSTEMS.

ISONAS provides an access control system that enables effortless integration with your existing systems—or new ones over time. Our open platform frees customers from proprietary, closed systems with limited features and functionality. Join the Pure IP™ revolution and let ISONAS's open platform allow you to create an IP ecosystem for the future.



BRINGING GREATER INTELLIGENCE TO EVERY ASPECT OF ACCESS CONTROL.



NOW WITH
MOBILE CREDENTIALS

Pure IP™ Reader-Controller

Whether used as a standalone product or with the Pure Access software, the new ISONAS Pure IP™ RC-04 hardware platform, with Bluetooth® Low Energy (BLE) capability, delivers an entirely revamped aesthetic and forward functionality that increases flexibility for the customer in how and where their access control is installed. The ISONAS reader-controller will continue to be an all in one intelligent device and lead the industry in reader and controller technology. The RC-04 leverages our current patented technology and requires a single CAT5 cable to provide power and data; eliminating the need for a panel and providing a simpler and smarter alternative.



Pure Access

ISONAS Pure Access is a leading access control platform that is fully hosted. Pure Access provides a complete access control platform allowing for full installation, administration and management of our patented Pure IP™ access control hardware. The modern user interface establishes a new standard for ease of use in managing an unlimited number of access points across any geography through a mobile device, tablet or modern browser. Pure Access brings new features and functionality to access control that fully leverage the power of our Pure IP™ hardware solution.



PureIP™ IP-Bridge 2.0

Avoid rip and replace. The same way the encoder transitioned the analog video surveillance market to IP, the IP-Bridge 2.0 provides the simple path from Wiegand panel systems to a Pure IP™ based solution. With more processing power and additional functionality local to the device, the IP-Bridge 2.0 expands on the core benefits of its predecessor allowing users to avoid a rip and replace scenario. Paired with the ISONAS R-1 Wiegand readers, the IP-Bridge 2.0 provides access to Bluetooth® Low Energy capabilities giving legacy take overs access to mobile credentials along with a straightforward path to IP technology.

PROVEN INNOVATION

Our patented Pure IP™ Reader-Controller provides the first "pure IP" to the door solution that eliminates the need for a separate power supply, control panel and dedicated hard wiring.

GREATER VALUE

Compared to traditional systems that require more equipment, labor and maintenance, the total cost of ownership is far less.

TOTAL FLEXIBILITY

The ability to easily integrate with other systems and go where other access control solutions can't gives you the freedom to adapt to changing needs.

3899 HANCOCK EXPRESSWAY, COLORADO SPRINGS, CO 80911
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ALLEGION

SCHLAGE

RC multi-technology reader controller



Overview

The Schlage® RC is an IP reader controller that combines patented Pure IP™ access control technology together with Schlage's intelligent hardware, delivering a cost-effective all-in-one edge device that easily integrates into open PACS solutions. The Schlage RC connects to existing IT networks via a single PoE cable; reducing installation time and eliminating the need to run separate power to the door. The Schlage RC provides real-time connectivity with local mode feature, and can be managed in the same system as Schlage NDE and LE wireless locks.

Three models are available to allow for common mounting options; creating a simple install process at each door.

- **RC11:** Mullion mount, multi-technology IP reader controller
- **RC15:** Single gang mount, multi-technology IP reader controller
- **RCK15:** Single gang mount, multi-technology IP reader controller with keypad

Schlage RC reader controllers provide both a modern look and an advanced feature set. Designed with technology to support Bluetooth, NFC (Near Field Communication), smart credentials (13.56 MHz) and standard proximity credentials (125 kHz); end users can define their migration path to secure credentials.

Features and benefits

- Host and local modes supported
  - Host mode allows for real time connectivity where the host makes real time decisions for access, LED and buzzer sequencing, etc. Should the connection drop, the device will switch to local mode.
  - Local mode allows the Schlage RC to function without a connection to the network. This results in faster user response times, less network traffic, and reduced host system loading.
- Reader controllers support 125 kHz proximity, 13.56 MHz smart technology, 2.4 GHz Bluetooth and Near Field Communication (NFC)
- Tamper detection via accelerometer senses any type of altering and prevents a security breach with the reader.
- Communication is secured using industry standard TLS 1.2 encryption
- Supports network communication speeds of 10 or 100 mbps half or full duplex
- Commission via ENGAGE™ mobile app for easy configuration
- Three configurable inputs; Door Position (DPS), Request to Exit (REX), and Auxiliary (AUX)
- Mullion, wall mount and wall mount with keypad form factors
- Credential parity with Schlage readers and wireless locks; ISONAS credential parity is a factory orderable option
- Accommodates interior, exterior, metal and non-metal installation environments

CYBERSECURITY
Learn about Allegion's commitment

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Model	RC11	RC15	RCK15
Reader technology	Mobile (NFC and Bluetooth), smart, proximity	Mobile (NFC and Bluetooth), smart, proximity	RC15 + keypad
Mounting style	Mullion	Single gang	Single gang
Modes and capacity	**Host mode:** real time connectivity; unlimited credential, events, time schedules, and holidays capacity* **Local mode:** decisions made at device when connection is offline or configured to local; 64,000 credentials - 5,000 events - 32 time schedules - 32 holidays * Host capacity is based on your host programming; contact your support team		
Network communications	10/100 Ethernet - half or full duplex - Cat5e, Cat6, or better cable WebSockets - Network host or client modes - DHCP addressing TLS1.2		
Visual and audible communications	LED (red, amber, green) Audible indicator (on/off)		
System Interfaces	2 TTL Lines / Clock & Data (for use with Advanced Security Module (ASM))		
Inputs	Request to Exit (REX) / Auxiliary Input (AUX) / Door Position Switch (DPS)		
Tamper	Yes		
Power input	PoE or PoE+ (IEEE 802.3af, Class 0) DC power: 10-13 VDC Please note: 24 VDC is not approved for this device		
Power output	600 mA maximum output current @ 12 VDC		
PoE / PoE+ Pigtail	26 AWG, Cat5E, 8" length		
Physical dimensions	5.94" x 1.77" x 1.0" (15.1cm x 4.5cm x 2.5cm)	5.13" x 3.25" x 1.0" (13.0cm x 8.3cm x 2.5cm)	5.13" x 3.25" x 1.0" (13.0cm x 8.3cm x 2.5cm)
Weight	5.8 oz (164.4 g)	8.1 oz (229.6 g)	8.2 oz (232.5 g)
Software compatibility	Works with open PACS systems including ISONAS Pure Access™ Cloud. See us.allegion.com/alliances for details.		
FIPS 20 compliant	No		
Certifications	FCC, IC, UL294 V7 / cUL Listed RED Directive, CE Mark, IP65, REACH, Bluetooth SIG, RoHS3		
Frequency	2.4 GHz Bluetooth, 13.56 MHz Smart, 125 kHz Proximity		
Standards	ISO 14443A, ISO 15693		
Operating temperatures	-31º to 151ºF (-40º to 66ºC)		

Color option

Black
(standard)

1 DESFire® CSN,HID iCLASS® CSN, Inside Contactless PicoTag® CSN, ST Microelectronics® CSN, Texas Instruments Tag-It® CSN, Phillips I-Code® CSN

2 Schlage® Proximity, ISONAS Prox, HID® Proximity, GE/CASI® Proximity, AWID® Proximity, LenelProx®

3 Schlage smart cards using MIFARE Classic® EV1, Schlage smart cards using MIFARE Plus®, Schlage smart cards using MIFARE® DESFire® EV1, Schlage smart cards using MIFARE® DESFire® EV2 . ISONAS credential parity available; specify CE-5901-0402 with your RC order

4 Compatible with Bluetooth and NFC-enabled devices

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® 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.**

KRYPTONITE ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN

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013614, Rev. 02/22
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ALLEGION

SCHLAGE

LE

Mobile enabled wireless mortise lock



Overview

The Schlage® LE mobile enabled wireless mortise lock is designed to affordably extend electronic access control deeper into the building beyond traditional perimeter and high security openings. The LE is now mobile enabled, giving users the security and convenience of using a smart device to gain access[1].

LE wireless locks simplify installation by combining the lock, credential reader, door position sensor, and request-to-exit switch all in one unit. Installation requires only minor modifications to existing mechanical mortise prep with no wires to run to the lock or additional components necessary.

LE wireless locks can be set up and configured wirelessly with a connected smartphone or tablet - no proprietary device needed. With the ENGAGE™ cloud-based web and mobile apps, it's easy to configure lock settings, add users, and view audits and alerts from virtually anywhere. And using the built-in Wi-Fi® allows for automated daily updates to lock configuration and user access rights.

The open architecture design allows for advanced capabilities including networked real-time communication. Using the ENGAGE Gateway and an integrated solution from one of our physical access control software (PACS) providers,[2] Schlage offers organizations the freedom to use the solution of their choice.

The LE is ideal for office and suite entries, conference rooms, common area doors, resident units, and sensitive storage areas with mortise door prep. LE suites with most Schlage L Series decorative levers, keyways, and finishes, providing attractive options to meet the requirements of nearly any environment.

1 Use of mobile credential is dependent on availability of compatible mobile credential

2 Integration with LE mobile enabled wireless locks required for operation. For information on PACS providers and their capabilities visit us.allegion.com/alliances.

3 Door position switch requires additional prep for mortise deadbolt (MD) applications

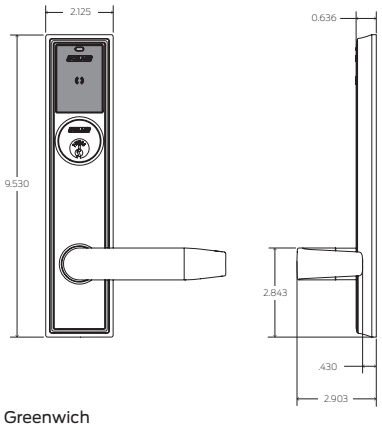
Features and benefits

- Available with indicator, interior push button, or deadbolt for storeroom, privacy, apartment, and office applications
- Standard multi-technology credential compatibility includes Schlage MIFARE®, Bluetooth and NFC mobile[1], and proximity
  - Optional support for HID® smart and NFC mobile credentials
- Wireless configuration from connected smartphones and tablets
- Built-in Wi-Fi® enables automated daily updates sent directly from host software
- Networked real-time communication available with the ENGAGE Gateway and PACS provider solutions
- Innovative integrated door position switch requires no additional door prep[3]
- Weather-resistant design
- Suites with Schlage mechanical L Series with 31 levers and two knobs
- Up to 2 years of battery life

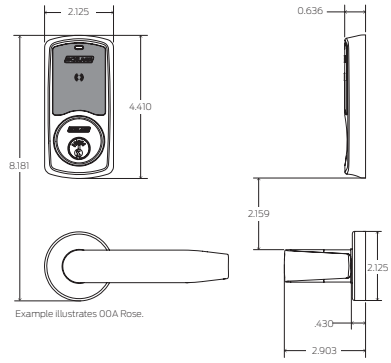
CYBERSECURITY
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Exterior of the lock

Addison

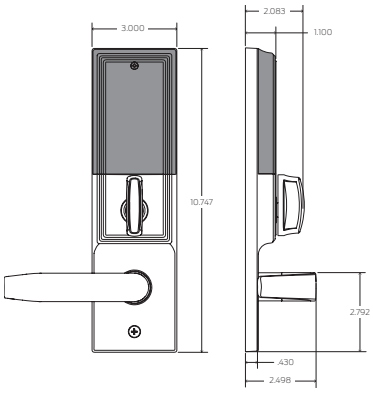


Greenwich

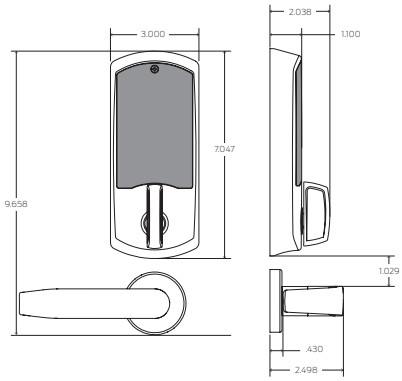


Interior of the lock

Addison



Greenwich



LE wireless lock specifications

Users	Up to 5,000 [1]
Audits	Up to 2,000 [2]
Credential verification time [3]	Smart and proximity: ≤ 1 second Mobile: mobile device dependent
Visual communications	Exterior LED (red, amber, green); Interior LED (red, green)
Audible communications	Audible indicator (field configurable)
Communication standards	▪ 2.4 GHz Wi-Fi® (IEEE 802.11b/g/n) ▪ WPA2, WPA, WEP, 802.1x ▪ Bluetooth® low energy (version 4.2) ▪ Transport Layer Security (TLS) version 1.2 ▪ Advanced Encryption Standard (AES), 256-bit
Gateway communication range	Up to 30' in typical building environments. A detailed site survey is recommended using the ENGAGE Test Kit (TKE). Reference ENGAGE™ Gateway Data Sheet for additional detail.
Wake-Up on Radio	Responds to command from host in less than 5 seconds when linked to ENGAGE Gateway (requires PACS provider system)
Data rate:	54 Mbps via Wi-Fi
Connectivity options	▪ Mobile device (send updates at the lock) ▪ Wi-Fi access point (automatic daily updates[7]) ▪ No-Tour[8] ▪ ENGAGE Gateway (real-time communication) - RS-485 to ACP or IP to host
Battery life [4]	Uses 4 AA batteries Up to 2 years
Operating temperature	Exterior: -31º to 151ºF (-35º to 66ºC) Exterior: -13º to 151ºF (-25º to 66ºC) (LEBSi) Interior: 32º to 120ºF (0º to 49ºC) (battery)
Operating humidity	0 - 100% non-condensing
Certifications	ANSI/BHMA A156.25-2013 (Indoor/Outdoor), ANSI/BHMA A156.13-2012, Series 1000, Grade 1, UL 294, ULC S319, UL10C (3-hour fire rated), FCC Part 15, IC RSS-210, ADA, ICC ANSI A117.1, FL3905,FL12400 and FL14482

Chassis/functions

- MS mortise with indicator:
  - Storeroom
- MB mortise with push button:
  - Privacy
  - Office
  - Apartment
- MD mortise deadbolt:
  - Privacy
  - Apartment

Available status signals

- Request-to-exit
- Door position
- Interior cover tamper [5]
- Battery status
- Lock/unlock status [6]
- Communication status [5]
- Deadbolt position status (MD only) [5]
- Interior pushbutton status (MB only) [5]

Flexible solutions

LE wireless locks offer connectivity options to fit any size budget or business.

1. Mobile
2. Wi-Fi
3. Real-time with ENGAGE Gateway
4. No-Tour[8]

ENGAGE™ cloud-based web and mobile applications

ENGAGE™ TECHNOLOGY

The ENGAGE cloud-based web and mobile applications deliver simple and convenient site set-up with basic access management for users and locks. Please refer to the ENGAGE data sheet for additional detail.

Download on the App Store

ANDROID APP ON Google play

1 Maximum database storage capacity of lock. Can vary by access control software database capacity.
2 Maximum audit storage capacity of lock. Can vary by access control software audit storage capacity.
3 Response time does not include latency time of host when linked with an ENGAGE Gateway or when using No-Tour.
4 Assuming indoor application, default settings, 80 actuations, interior LED disabled and one Wi-Fi update per day.
5 Consult your access control software provider for specific scope of support.
6 Software indicates lock/unlock status based on sequence of events.
7 Daily update will occur within 24 hours as scheduled by the host.
8 With MT20W and smart credential or mobile credential (consult your access control software provider for specific support)

Mechanical specifications

Chassis	MS mortise with LED indicator; MB mortise with push button and LED; MD mortise with deadbolt and LED
Handing	Handed to order, field reversible
ANSI standard (Meets or exceeds)	ANSI/BHMA A156.25-2013 (Indoor/Outdoor) ANSI/BHMA A156.13-2012, Series 1000, Grade 1 With interchangeable core cylinders: Grade 2 Security
Door thickness	Standard: 1 3/4" (44 mm) Optional: 1 3/4" (44 mm) to 2 1/4" (57 mm) optional (SFIC limited to 2" max)
Backset	Standard: 2 3/4" (70mm)
Latch bolt	Standard: 3/4" (19 mm) throw stainless steel latch bolt with anti-friction tongue
Deadbolt	Standard: 1" (25 mm) throw stainless steel deadbolt
Levers	Forged brass or bronze
Strike	Standard: ANSI 1 1/4" x 4 7/8" (32 mm x 124 mm) x 1 3/16" (30 mm) curved lip strike with dust box Optional: Additional strike lip lengths and ANSI strike box available
Cylinder and keys	Standard: Schlage 6-pin Everest 29 S123 keyway Conventional cylinder with two patented keys. Additional keying options available: Conventional and interchangeable cores, master keying, and grand master keying. Compatible with competitor cylinders and cams that support the L9000 Series.
Armored front	1 1/4" x 8" x 7/32" (32mm x 203 mm x 6 mm) only

Compatible cylinders

	Mortise cylinder	Full size interchangeable core - FSIC	Small format interchangeable core - SFIC
With cylinder	P, P6, Z	M, R	G7
Less cylinder	L	J*	B*
Construction core	—	T	H
Disposable core	—	—	BDC

*Sold with cylinder housing - less core.

Note: Available in formats to support residential customers - 5-pin cylinder with C keyways. Need to specify keyway and pinning needs. Standard if not specified - P, 6-pin Everest 29 with S123 keyway.

Standard multi-technology reader specifications

Credential technologies	Proximity (125 kHz), Smart (13.56 MHz), Bluetooth Low Energy (BLE) (2.4 GHz), and Near Field Communication (NFC)
Standards	ISO standard 15693 and ISO 14443
Maximum read range	Proximity: up to 1.25" Smart: up to .75" Bluetooth Low Energy: up to 15' NFC: mobile device dependent
Proximity credential compatibility	**Compatibility:** Schlage®, ISONAS™, HID®, GE/CASI ProxLite®, AWID® and LenelProx® **Schlage credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, PVC adhesive disk
Smart credential compatibility[1]	**Secure sector compatibility:** Schlage MIFARE Classic®, Schlage MIFARE Plus®, Schlage MIFARE® DESFire® **CSN only compatibility:** HID iCLASS®, HID iCLASS SE®, Inside Contactless Pico Tag®, MIFARE Classic/Plus/DESFire[5], ST Microelectronics®, Texas Instruments Tag-It®, Phillips I-Code® **Schlage credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, wearable wristband, PVC adhesive patch
Mobile credential compatibility	Schlage Mobile Bluetooth® Credential[2], Integrated PACS mobile credential with Bluetooth[3], NFC-enabled mobile devices[4]

Mobile enabled retrofit kits

Retrofit kits are available allowing the upgrade of legacy LE locks to the mobile enabled model, enabling them to read BLE mobile credentials.

- Kit includes: Complete interior escutcheon with PCBA*

* Kit requires reuse of exterior of lock, lock chassis, existing levers/spring cages, battery cover, mounting screws and interior mounting plate.

Si option with HID® support

Supports:

- Secure application area of HID iCLASS®, iCLASS SE®, Seos® smart credentials
- iCLASS Standard Key and Elite Keys
- HID NFC mobile credentials
- All Schlage MIFARE and mobile credentials

Does not support:

- Proximity
- HID Seos Bluetooth mobile

[1] No-Tour applications require a 1K Byte Schlage MIFARE smart credential
[2] Supported through ENGAGE web and mobile apps, ISONAS Pure Access Cloud
[3] Dependent on PACS provider capabilities. Visit us.allegion.com/alliances for more information
[4] See minimum supported guidelines
[5] Specify CE-5901-0402 for ISONAS credential parity

Ordering information

LEB - MS - GRW - P6 - 07 - 626 - 00A - 17 - 612 - 00A - LH - 10-136 - 134 - S123

Series	Chassis/ function	Style	Cylinder type	Outside			Inside (optional)			Handing	Strike lip	Door thickness	Key system	Additional options
				Lever style	Finish	Rose (GRW only)	Lever style	Finish	Rose (GRW only)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Selections correspond with the numbers above

Standards options are indicated in bold. See price book for specific configuration options.

1 Series / 2 Chassis/Function

LEBMS	Mobile enabled mortise with indicator only
LEBMB	Mobile enabled mortise with interior push button
LEBMD	Mobile enabled mortise with deadbolt
LEBSiMS	Mobile enabled mortise with indicator only that supports HID® credential types
LEBSiMB	Mobile enabled mortise with interior push button that supports HID® credential types
LEBSiMD	Mobile enabled mortise with deadbolt that supports HID® credential types

Prior to ordering, confirm support with preferred PACS provider, visit us.allegion.com/alliances.

3 Style

GRW	Greenwich (sectional)
ADD	Addison (escutcheon)

4 Cylinder type

P6	Schlage 6-pin Conventional cylinder

See price book for other mortise cylinder, SFIC, FSIC and Less Cylinder options.

5/8 Lever style

Available in 31 levers and two knob styles including most M Series decorative lever options. Examples:

03	Suites with Tubular
06	Suites with Rhodes
07	Suites with Athens
17	Suites with Sparta
LAT	Latitude

6/9 Finish

626	Satin chrome
605	Bright brass
606	Satin brass
612	Satin bronze
619	Satin nickel
622	Matte black
625	Bright chrome
643e	Aged bronze
626AM	Satin chrome antimicrobial

7/10 Rose (GRW style only)

00A	2 1/8" (54 mm) diameter
00B	2 9/16" (65 mm) diameter
00C	2 5/8" (66 mm) diameter with bevel (not available in 612 finish)

MER and AVA decorative rose options are also available, but only with MER and ACC lever styles. Inside rose will default to outside unless specified.

11 Handing

RH	**Right hand**
LH	Left hand
RHR	Right hand reverse
LHR	Left hand reverse

Defaulted to Right Hand, if not specified. The chassis can be changed in the field, with some exceptions. See pricebook for additional details.

12 Strike plate/lip length

10-136	**1 3/16" lip length (MS and MB)**
10-072	**1 3/16" lip length (MD)**

Additional lip length options 7/8" to 1 3/4". See price book for details.

13 Door thickness

134	**1 3/4" (44 mm)**

Optional: 1 3/4" (44 mm) to 2 1/4" (57 mm).
2" maximum door thickness on SFIC cylinders.
See price book for additional details.

14 Keying type

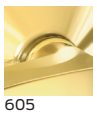
S123	**Everest 29**

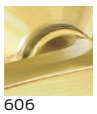
See price book for other available keyway options including restricted keyways in Primus XP high security cylinders and master keying.

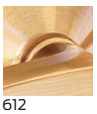
15 Additional options

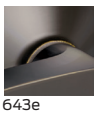
Finishes

Warm tone finishes

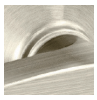

605
Bright Brass


606
Satin Brass


612
Satin Bronze

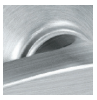

643e
Aged Bronze

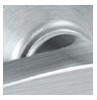
Cool tone finishes


619
Satin Nickel


622
Matte Black


625
Bright Chrome


626
Satin Chrome


626am
Satin Chrome
Antimicrobial

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had $2.7 billion in revenue in 2020, and its security products are sold around the world. For more, visit **www.allegion.com**

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ALLEGION

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ALLEGION

SCHLAGE

NDE

Mobile enabled wireless cylindrical lock



Overview

The Schlage® NDE mobile enabled wireless cylindrical lock is designed to affordably extend electronic access control deeper into the building beyond traditional perimeter and high security openings. The NDE is now mobile enabled, giving users the security and convenience of using a smart device to gain access[1].

NDE wireless locks simplify installation by combining the lock, credential reader, door position sensor and request-to-exit switch all in one unit. NDE wireless locks require only minor modifications to existing mechanical Schlage ND cylindrical door prep; and eliminate the need to install additional components or run wires to each opening.

The new NDE mobile enabled wireless lock also has an interior push button with indication that expands the way the lock operates to include storeroom, office, privacy and apartment functions.

NDE wireless locks can be set up and configured wirelessly with a connected smartphone or tablet - no proprietary device needed. With the ENGAGE™ cloud-based web and mobile apps, it's easy to configure lock settings, add users, and view audits and alerts from virtually anywhere. And using the built-in Wi-Fi®, automated daily updates to lock configuration and user access rights are possible.

The open architecture design allows for advanced capabilities including networked real-time communication. Using the ENGAGE Gateway and an integrated solution from one of our physical access control software (PACS) providers,[2] Schlage offers organizations the freedom to use the solution of their choice.

The NDE is ideal for office and suite entries, conference rooms, common area doors, resident units, and sensitive storage areas with cylindrical door prep. NDE suites with all Schlage ND levers and keyways, and most finishes, providing attractive options to meet the requirements of nearly any environment.

1 Use of mobile credential is dependent on availability of compatible mobile credential.

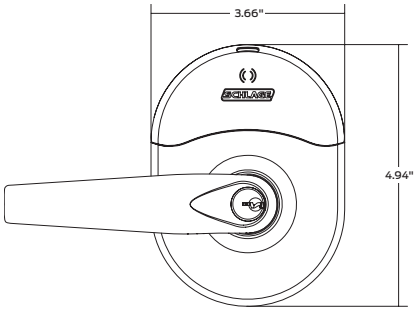
2 Integration with NDE mobile enabled wireless locks required for operation. For information on PACS providers and their capabilities visit us.allegion.com/alliances.

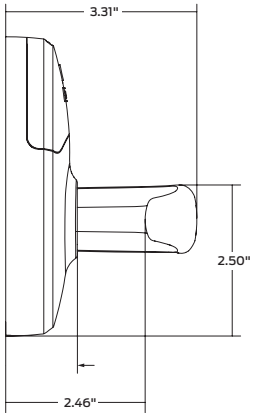
Features and benefits

- NDE includes interior push button with indication for storeroom, office, privacy, and apartment applications
- Standard multi-technology credential compatibility includes Schlage MIFARE®, Bluetooth and NFC mobile[1], and proximity
  - Optional support for HID® smart and NFC mobile credentials
- Wireless configuration from connected smartphones and tablets
- Built-in Wi-Fi® enables automated daily updates sent directly from host software
- Networked real-time communication available with the ENGAGE Gateway and PACS provider solutions
- Fits mechanical ND door prep with minor modifications
- Weather resistant design
- Lever handing is field reversible in seconds; no tools required
- Up to 2 years of battery life

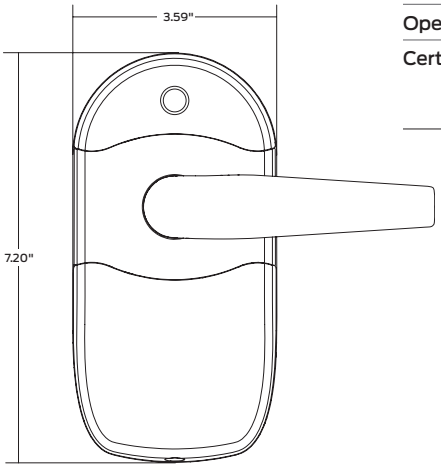
CYBERSECURITY
Learn about Allegion's commitment

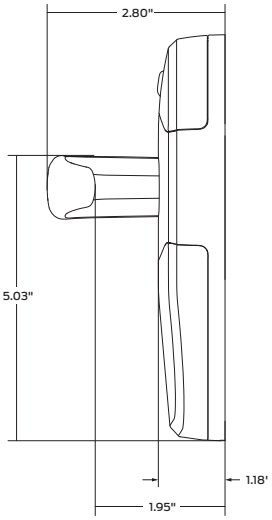
Exterior of the lock





Interior of the lock





NDE wireless lock specifications

Users	Up to 5,000[1]
Audits	Up to 2,000[2]
Credential verification time[3]	Smart and proximity: ≤ 1 second Mobile: mobile device dependent
Visual communications	LED (red, amber, green)
Audible communications	Audible indicator (field configurable)
Communication standards	▪ 2.4 GHz Wi-Fi® (IEEE 802.11b/g/n) ▪ WPA2, WPA, WEP, 802.1x ▪ Bluetooth® low energy (version 4.2) ▪ Transport Layer Security (TLS) version 1.2 ▪ Advanced Encryption Standard (AES), 256-bit
Gateway communication range	Up to 30' in typical building environments. A detailed site survey is recommended using the ENGAGE Test Kit (TKE). Reference ENGAGE™ Gateway Data Sheet for additional detail.
Wake-Up on Radio	Responds to command from host in less than 5 seconds when linked to ENGAGE Gateway (requires PACS provider system)
Data rate	54 Mbps
Connectivity options	▪ Mobile device (send updates at the lock) ▪ Wi-Fi access point (automatic daily updates[7]) ▪ No-Tour[8] ▪ ENGAGE Gateway (real-time communication) – RS-485 to ACP or IP to host
Battery life[4]	Uses 4 AA batteries Up to 2 years
Operating temperature	Exterior: -31º to 151ºF (-35º to 66ºC) Exterior: -13º to 151ºF (-25º to 66ºC) (NDEBSi) Interior: 32º to 120ºF (0º to 49ºC) (battery)
Operating humidity	0 - 100% non-condensing
Certifications	ANSI/BHMA A156.25-2013 (Indoor/Outdoor), ANSI/BHMA A156.2-2011, Series 4000, Grade 1, UL 294, UL 10C, CSA C22.2 No. 205-M1983, FCC Part 15, IC RSS-210, ADA, ICC ANSI A117.1

Functionality

- Storeroom
- Office
- Privacy
- Apartment

NDE comes with Vandlgard® standard

Available status signals

- Request-to-exit
- Door position
- Interior cover tamper[5]
- Magnetic tamper
- Battery status
- Lock/unlock status[6]
- Communication status[5]

Flexible solutions

NDE wireless locks offer connectivity options to fit any size budget or business.

1. Mobile
2. No-Tour[8]
3. Wi-Fi
4. Real-time with ENGAGE Gateway

ENGAGE™ cloud-based web and mobile applications

ENGAGE™ TECHNOLOGY

The ENGAGE cloud-based web and mobile applications deliver simple and convenient site set-up with basic access management for users and locks. Please refer to the ENGAGE data sheet for additional detail.

Download on the App Store

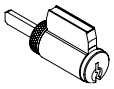
ANDROID APP ON Google play

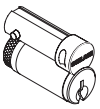
1 Maximum database storage capacity of lock. Can vary by access control software database capacity.
2 Maximum audit storage capacity of lock. Can vary by access control software audit storage capacity.
3 Response time does not include latency time of host when linked with an ENGAGE Gateway or when using No-Tour.
4 Assuming indoor application, default settings, 80 actuations, interior LED disabled and one Wi-Fi update per day.
5 Consult your access control software provider for specific scope of support.
6 Software indicates lock/unlock status based on sequence of events.
7 When using the ENGAGE cloud-based access management software.
8 With MT20W and smart credential or mobile credential (consult your access control software provider for specific support)

Mechanical specifications

Chassis	Cylindrical
Handing	Right-handed from factory. Field reversible in seconds (no tools required)
ANSI standard (Meets or exceeds)	ANSI/BHMA A156.25-2013 (Indoor/Outdoor) ANSI/BHMA A156.2-2011, Series 4000, Grade 1
Door thickness	Standard: 1 5/8" - 2" (41mm - 51mm) only
Backset	Standard: 2 3/4" (70mm) Optional: 2 3/8" (60mm)
Latch bolt	Standard: 1/2" (12mm) throw deadlatch (steel) Optional: 3/4" (19mm) throw anti-friction deadlatch available for pairs of fire doors
Levers	Pressure cast zinc, plated
Strike	Standard: 1 3/16" lip, ANSI, DPS, 1 1/4" x 4" Optional: Additional strikes, lip lengths and ANSI strike box available
Cylinder and keys	Standard: Schlage 6-pin Everest 29 S123 keyway Conventional cylinder with two patented keys. Additional keying options available, including interchangeable cores, competitor brands, master keying and grand master keying

Compatible cylinders







Schlage key systems	Conventional key-in-lever cylinder	Full size interchangeable core	Small format interchangeable core
With cylinder	P, P6, Z	M, R	G7
Construction core	----	T	H
Disposable core	----	----	BDC
Less cylinder	L	J	B
Compatible cylinders listed above are supported on all levers.			
SARGENT® - Less cylinder	L-SAR	J-SAR	----
Corbin Russwin® - Less cylinder	L-CO6	J-CO6, J-CO7	----
Yale® - Less cylinder	----	J-YA6, J-YA7	----
Medeco - Less cylinder	----	J-MED	----
Six-pin competitive cylinders listed above are supported on ATH, SPA, RHO, and TLR levers. Seven-pin competitive cylinders listed above are supported on RHO levers.			

Standard multi-technology reader specifications

Credential technologies	Proximity (125 kHz), Smart (13.56 MHz), Bluetooth Low Energy (BLE) (2.4 GHz), and Near Field Communication (NFC)
Standards	ISO standard 15693 and ISO 14443
Maximum read range	Proximity: up to 1.25" Smart: up to .75" Bluetooth Low Energy: up to 15' NFC: mobile device dependent
Proximity credential compatibility	**Compatibility:** Schlage®, ISONAS™, HID®, GE/CASI ProxLite®, AWID® and LenelProx® **Schlage credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, PVC adhesive disk
Smart credential compatibility[1]	**Secure sector compatibility:** Schlage MIFARE Classic®, Schlage MIFARE Plus®, Schlage MIFARE® DESFire® **CSN only compatibility:** HID iCLASS®, HID iCLASS SE®, Inside Contactless Pico Tag®, MIFARE Classic/Plus/DESFire[5], ST Microelectronics®, Texas Instruments Tag-It®, Phillips I-Code® **Schlage credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, wearable wristband, PVC adhesive patch
Mobile credential compatibility	Schlage Mobile Bluetooth® credential[2], Integrated PACS mobile credential with Bluetooth[3], NFC-enabled mobile devices[4]

Mobile enabled retrofit kits

Retrofit kits are available allowing the upgrade of legacy NDE locks to the mobile enabled model, adding the ability to read BLE mobile credentials and new functions supported by an interior push button with indication.

- Kit includes: Interior escutcheon with PCBA and DPS with lead (requires modified door prep)*

* Kit requires reuse of exterior of lock, lock chassis, existing levers/spring cages, battery cover, mounting screws and interior mounting plate.

Si option with HID® support

Supports:

- Secure application area of HID iCLASS®, iCLASS SE®, Seos® smart credentials
- iCLASS Standard Key and Elite Keys
- HID NFC mobile credentials
- All Schlage MIFARE and mobile credentials

Does not support:

- Proximity
- HID Seos Bluetooth mobile

[1] No-Tour applications require a 1K Byte Schlage MIFARE smart credential
[2] Supported through ENGAGE web and mobile apps, ISONAS Pure Access Cloud
[3] Dependent on PACS provider capabilities. Visit us.allegion.com/alliances for more information
[4] See minimum supported guidelines
[5] Specify CE-5901-0402 for ISONAS credential parity

Ordering information

NDEB - P6 -SPA-626

Series	Lever cylinder	Outside		Inside		Backset and latch	Strike	Dim	Additional details
		Lever style	Finish	Lever style	Finish				
1	2	3	4	5	6	7	8	9	10

Selections correspond with the numbers above

Standards options are indicated in bold. See price book for specific configuration options.

1	Series
NDEB	Mobile enabled cylindrical with configurable functions
NDEBSi	Mobile enabled cylindrical with configurable functions that supports HID® credential types

Prior to ordering, confirm support with preferred PACS provider, visit us.allegion.com/alliances.

2	Lever cylinder type
P6	Schlage 6-pin Conventional key-in-lever

See price book for other SFIC, FSIC and Less Cylinder options available. Supports Schlage, SARGENT®, Corbin, Russwin®, and Yale®.

3/5	Lever style
ATH	Athens*
BRK	Boardwalk*
BRW	Broadway*
LAT	Latitude
LON	Longitude
OME	Omega
RHO	Rhodes*
SPA	Sparta*
TLR	Tubular*

* Available with tactile surface

4/6	Finish
626	Satin chrome
605	Bright brass
606	Satin brass
612	Satin bronze
619	Satin nickel
622	Matte black
625	Bright chrome
643e	Aged bronze
626AM	Satin chrome antimicrobial

7	Backset and latch
13-247	**2 3/4" backset, deadlatch, square corner, 1 1/8" x 2 1/4"**

See price book for additional backset and latch options

8	Strike
47267101	**1 1/4" x 4 7/8" with 1 3/16" lip (NDEB)**

See price book for other available strikes

9	Dim (strike lip length)
138	**1 3/8" non-standard lip length**

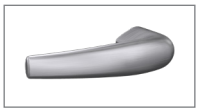
Enter only for non-standard strike lip lengths. See price book for other available non-standard lengths

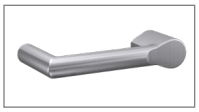
10	Additional details
S123	**Everest 29**

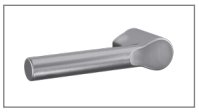
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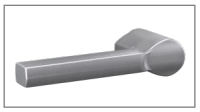
Lever styles

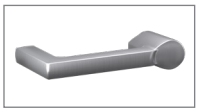
The NDE shares the same levers as the Schlage ND mechanical lock. All NDE locks feature mechanical key override; standard, SFIC or FSIC options available.


Athens

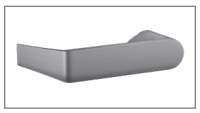

Boardwalk

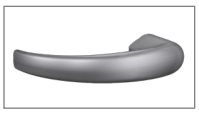

Broadway

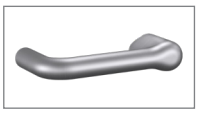

Latitude


Longitude


Omega


Rhodes


Sparta


Tubular

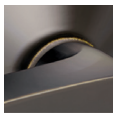
Finishes

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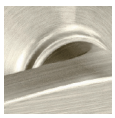

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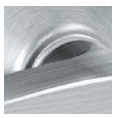

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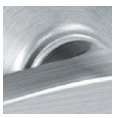
Cool tone finishes


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Matte Black


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Bright Chrome


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626AM
Satin Chrome
Antimicrobial

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Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had $2.7 billion in revenue in 2020, and its security products are sold around the world. For more, visit **www.allegion.com**

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