ALLEGION

SCHLAGE

RC Pure IP™ 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

The Schlage RC contains 125 kHz proximity, 13.56 MHz smart and 2.4 GHz Bluetooth circuitry enabling the ability to process multiple formats simultaneously.

- Real time connectivity; local mode feature allows readers to function without a connection to the network. This results in faster user response times, less network traffic and reduced host system loading.
- 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
- 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
- Reader controllers support 125 kHZ proximity, 13.56 MHz smart technology, 2.4 GHz Bluetooth and Near Field Communication (NFC)
- Credential parity standard with Schlage MTB mobile enabled multi-technology readers and Schlage mobile enabled wireless locks; ISONAS credential parity is a factory orderable option
- Accommodates interior, exterior, metal and non-metal installation environments

CYBERSECURITY
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Model	RC11	RC15	RCK15
Reader type	IP reader controller	IP reader controller	IP reader controller with keypad
Mounting style	Mullion	Single gang	Single gang
Standards	ISO 14443A, ISO 15693		
Certifications	FCC Certification - IC Certification - UL294 V7 / cUL Listed - RED Directive - CE Mark - IP65 - REACH - Bluetooth SIG - RoHS 3		
Frequency	2.4 GHz, 13.56 MHz and 125 kHz		
Intelligence capacity	64,000 credentials - 5,000 events - 32 time schedules - 32 holidays		
Network communications	10/100Mb, half or full duplex Ethernet, WebSockets, standard Cat5E or better cable Network host or client modes - DHCP addressing		
Visual communications	LED (red, amber, green)		
Audible communications	Audible indicator (on / off)		
Software compatibility	Works with open PACS systems including ISONAS Pure Access™ Cloud. **See us.allegion.com/alliances for details**		
FIPS 201 compliant	No		
Technology supported	CSN[1], Proximity[2], Smart[3], Mobile[4] (NFC and Bluetooth)		
Read range - ISO card form factor			
Prox FSK	Up to 1.75" (4.4 cm)	Up to 4.0" (10.1 cm)	Up to 4.0" (10.1 cm)
Prox ASK	Up to 1.5" (3.8 cm)	Up to 3.25" (8.2 cm)	Up to 3.25" (8.2 cm)
MIFARE Classic® EV1	Up to 1.75" (4.4 cm)	Up to 2.0" (5.1 cm)	Up to 2.0" (5.1 cm)
MIFARE Plus®	Up to 0.25" (0.6 cm)	Up to 1.25" (3.2 cm)	Up to 1.25" (3.2 cm)
MIFARE® DESFire® EV1	Up to 0.5" (1.3 cm)	Up to 1.5" (3.8 cm)	Up to 1.5" (3.8 cm)
MIFARE® DESFire® EV2	Up to 1.5" (3.8 cm)	Up to 2.0" (5.1 cm)	Up to 2.0" (5.1 cm)
Read range - Schlage Mobile Access Credential			
(short range-standard)	Up to 5' (1.5 m)	Up to 5' (1.5 m)	Up to 5' (1.5 m)
(long range-optional)	Up to 30' (9.1 m)	Up to 30' (9.1 m)	Up to 30' (9.1 m)
System interface	2 TTL Lines / Clock & Data (for use with the Advanced Security Module (ASM))		
Communication security	Transport Layer Security (TLS) version 1.2		
Inputs	Request to Exit (REX) / Auxiliary Input (AUX) / Door Position Switch (DPS)		
Voltage range	10 - 13 VDC / PoE or PoE+(IEEE802.3af, Class 0)		
Current requirements	120mA Average (210mA Peak) @12V	120mA Average (220mA Peak) @12V	120mA Average (225mA Peak) @12V
Poe / PoE+ Pigtail	26 AWG, CAT 5E, 8" length		
Tamper	Yes		
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
Operating temperatures	-31ºF to 151º F (-40ºC to 66ºC)		
Weight	5.8 oz	8.1 oz	8.2 oz

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

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.**

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