Multi-technology readers

Overview

Schlage® multi-technology readers are designed to simplify your access control solutions. Transition your system from proximity to smart card technology at your own pace without having to change out readers as new technologies are available. Schlage readers handle all applicable ISO standards (14443A, 14443B, 15693), are FIPS 201 compliant and are versatile enough to read 125 kHz proximity and 13.56 MHz contactless smart cards in a single unit. Schlage multi-technology readers interface with Schlage smart credentials (MIFARE Classic®, MIFARE Plus® and MIFARE® DESFire® EV1) and can read the card serial numbers (CSN) of a variety of smart cards from other manufacturers, making your next upgrade in technology simple and seamless. Additionally, Schlage readers are already NFC compatible and able to communicate with NFC-enabled phones whenever you're ready to take that step.

Schlage multi-technology readers use an open architecture platform designed to work with industry standards and common access control system interfaces. Multiple Schlage reader form factors are designed to fit a variety of placement needs, with an attractive modern design which will complement any facility's architecture and décor. Schlage readers are very easy to install with the quick-connect design and a standard wiring color scheme that most technicians are already accustomed to. But if you do have questions, you'll never worry about lack of service or assistance. As always, our knowledgeable sales and support staff is ready to assist you with any design or technology questions you may have.

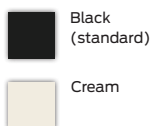Note: Magnetic stripe multi-technology readers also available.

Features and benefits

- Accommodates interior, exterior, metal, and non-metal installation environments
- Recognizes most proximity credentials, and Schlage smart credentials (MIFARE Classic, MIFARE Plus and MIFARE DESFire EV1)
- FIPS 201 compliant
- NFC compatible, reads Schlage and aptiQ® mobile credentials
- Quick-connect design for easy installation
- Simple wiring – color scheme is identical to most readers in the market
- Easy-to-install mounting bracket
- Tri-state LED (red, green, amber) visual indicator and audio feedback representing status and activity information, easily discernible for the audibly or visually impaired
- Wiegand output for simple interface with most access control panels
- Multiple reader cover color options
- Limited lifetime warranty
- Multi-technology readers may also be ordered with RS-485 capability

Model*	PR10	SM10	MT11	MT15	MTK15
Reader type	Proximity – mini-mullion*	Smart – mini-mullion*	Multi-technology – mullion	Multi-technology – single gang	Multi-technology with keypad –single gang
Frequency	125 kHz	13.56 MHz	13.56 MHz and 125 kHz		
FIPS 201 compliant	No	Yes			
Standard default PIV output	N/A	75 bit PIV**			
Standards	N/A	ISO 14443A, 14443B, 15693			
Certifications	FCC Certification · IC Certification · UL 294 Listed · RED Directive (15 EU Countries) · CE Mark · IP65				
Voltage range	5-16 VDC				
Power supply	Linear DC				
Current requirement (at 12 VDC and 25 C; mAmps)	Avg. 65 mA Peak 110 mA	Avg. 95 mA Peak 195 mA	MT11 Avg. 100 mA Peak 170 mA MT11-485 Avg. 115 mA Peak 145 mA	MT15 & MT15-485 Avg. 120 mA Peak 200 mA	MTK15 and MTK15-485 Avg. 120 mA Peak 230 mA
Read range	Proximity: Up to 3" (7.5 cm)	MIFARE Classic: Up to 4" (10 cm) MIFARE Plus: Up to 1.5" (3.8 cm) DESFire EV1: Up to 2" (5.1 cm)	Proximity: Up to 5" (12.7 cm) MIFARE Classic: Up to 4" (10 cm) MIFARE Plus: Up to 1" (2.5 cm) MIFARE DESFire EV1: Up to 2" (5.1 cm) PIV credential: Up to 2.5" (6.5 cm)		
Cable specification	18 AWG, 5 conductor stranded/shielded				
System interfaces	Wiegand	Wiegand / Clock & Data	Wiegand / Clock & Data / RS-485*** (OSDP)		
Cabling distance	Wiegand output: 500 ft. (152 m)				
Physical dimensions (H x W x D)	4.26" x 1.72" x 0.81" 10.8 cm x 4.4 cm x 2.1 cm	4.26" x 1.72" x 0.81" 10.8 cm x 4.4 cm x 2.1 cm	5.91" x 1.72" x 0.81" 15 cm x 4.4 cm x 2.1 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm
Operating temperatures	-40° to 158°F (-40° to 70°C)				
Weight	4.1 oz	3.9 oz	5.7 oz	9.1 oz	9.3 oz
Material	PBT Polymer				
Technologies supported in default mode					
Schlage Proximity	■		■	■	■
XceedID® Proximity	■		■	■	■
HID® Proximity	■		■	■	■
GE/CASI ProxLite®	■		■	■	■
AWID® Proximity	■		■	■	■
LenelProx®	■		■	■	■
Schlage/aptiQ mobile		■	■	■	■
Schlage/aptiQ/XceedID smart cards using MIFARE Classic		■	■	■	■
Schlage smart cards using MIFARE Plus		■	■	■	■
Schlage/aptiQ smart cards using MIFARE DESFire EV1		■	■	■	■
DESFire® CSN		■	■	■	■
HID iCLASS® CSN		■	■	■	■
Inside Contactless PicoTag® CSN		■	■	■	■
ST Microelectronics® CSN		■	■	■	■
Texas Instruments Tag-It® CSN		■	■	■	■
Phillips I-Code® CSN		■	■	■	■

Color options†

- Black (standard)
- Cream
- Cool tone gray
- Warm tone brown

* Some features and benefits listed on the front may not be applicable to the smart-only and proximity-only readers.

** Other output options available through configuration.

*** RS-485 model numbers include "-485" after the original model number. For example, MT11-485 is the RS-485 version of the multi-technology mini-mullion reader. Multi-drop, Open Standard Device Protocol (OSDP).

† Lead time may apply for non-standard colors

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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