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SCHLAGE

Multi-technology readers



Overview

Schlage® multi-technology readers are designed to simplify your access control solutions and allow a transition from existing population proximity or magnetic stripe to more secure encrypted card technology at your own pace—without having to change readers as new technologies are available. Five available models to fit any need and works with multiple form factors including wristbands, cards, fobs and tags.

MT11: Mullion mount multi-technology reader
MT15: Single gang mount multi-technology reader
MTK15: Single gang mount multi-technology reader with keypad reader
MTMS15: Single gang mount multi-technology reader with magnetic stripe reader
MTMSK15: Single gang mount multi-technology reader with magnetic stripe reader and keypad

Features and benefits

Schlage multi-technology readers contain both 125 kHz proximity and 13.56 MHz contactless smart card capability in one-unit handling multiple formats simultaneously.
Wiegand and RS-485 output available for simple interface with most access control panels.

- Compatible with NFC-enabled mobile devices
- Limited lifetime warranty
- Accommodates interior, exterior, metal and non-metal installation environments
- Quick-connect cable allows for easy installation
- Easy-to-install mounting bracket
- Available finishes include: Black (standard), cool-tone gray, cream and warm-tone brown

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Model*	MT11	MT15	MTK15	MTMS15	MTMSK15
Reader type	Multi-technology mullion	Multi-technology single gang	Multi-technology with keypad single gang	Multi-technology with magnetic stripe	Multi-technology with magnetic stripe and keypad
Frequency	13.56 MHz and 125 kHz			13.56 MHz and 125 kHz and magnetic stripe	
FIPS 201-1 & 201-2 compliant	Yes, requires RS-485 interface–See Schlage FIPS 201 Compliant Readers Datasheet for details				
Standard default PIV output	75 bit PIV**				
Standards	SO 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)	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 & MTK15-485 Avg. 120 mA Peak 230 mA	MTMS15 & MTMS15-485 Avg. 120mA Peak 200mA	MTMSK15 & MTMSK15-485 Avg. 120mA Peak 230mA
Read range	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 / EV2: 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 / Clock & Data / RS-485*** (OSDP)					
Cabling distance	Wiegand output: 500 ft (152 m)					
Physical dimensions (H x W x D)	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	4.43" x 5.17" x 1.15" 11.25 cm x 13.13 cm x 2.92 cm	4.43" x 5.17" x 1.15" 11.25 cm x 13.13 cm x 2.92 cm
Operating temperatures	-40° to 158°F (-40° to 70°C)	-40° to 158°F (-40° to 70°C)	-40° to 158°F (-40° to 70°C)	-31° to 151°F (-35° to 67°C)	-31° to 151°F (-35° to 67°C)
Weight	5.7 oz	9.1 oz	9.3 oz	8.9 oz	9.5 oz
Material	PBT Polymer				
Technologies supported in default mode					
Schlage Proximity	■	■	■	■	■
HID® Proximity	■	■	■	■	■
GE/CASI ProxLite®	■	■	■	■	■
AWID® Proximity	■	■	■	■	■
LenelProx®	■	■	■	■	■
Schlage smart cards using MIFARE Classic	■	■	■	■	■
Schlage smart cards using MIFARE Plus	■	■	■	■	■
Schlage smart cards using MIFARE DESFire EV1 and EV2	■	■	■	■	■
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)
- Cool tone gray
- Cream
- 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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