

K-SMART

Contactless Smartcard Reader for Access Control

- Uses internationally acclaimed Mifare contactless smartcard technology
- K-SMART supports Keyscan's K-SECURE contactless Mifare smartcards
- The K-SECURE Mifare credential provides anti-counterfeiting protection using Keyscan's Max Secure encryption technology on 'over the air' transmission between the reader and card
- Supports ISO 14443 Mifare contactless nonproprietary contactless smartcards, card serial number (CSN) only
- Provides an innovative 'Heartbeat' technology -If this heartbeat is interrupted due to wiring fault or reader damage an alarm condition is triggered by the Keyscan control panel
- Offers 'Anti-Tamper' capability with a dealer installed and supplied anti-tamper switch for further enhanced security
- K-SMART-125 version offers a migration path from HID 125kHz prox cards to high security Mifare technology credentials
- K-SMART-GOV version is a US Government FIPS 201 & TWIC credential compatible reader
- Simple 2 in 1 unit to support both mullion or single gang electrical box applications.
- Electronics are secured in tamper-resistant epoxy potting for added protection.
- Durable design provides weather-resistant construction for reliable operation and long usage even in harsh environments.
- Delivered with Keyscan's Limited Lifetime warranty against defects in materials and workmanship.



K-SMART

Features and Benefits

- Uses industry proven nonproprietary MIFARE smartcard technology.
- K-SECURE Provides credential anti-counterfeiting protection.
- Versatile reader design suitable for both mullion and single gang plate installation.
- Designed and Engineered with KEYSCAN reliability and quality.
- Migration option available for swapping HID 125kHz credentials to secure Mifare credential conversions.*
- US Government option available for FIPS 201 and TWIC compatible transparent reader. *

* See ordering options



Specifications

Size

- Mullion - 4.5" (11.43 cm) x 1.5" (3.8 cm) x 0.62" (1.6 cm)
- Switch Plate - 4.5" (11.43 cm) x 3" (7.62 cm) x 0.62" (1.6 cm)

Read Range

- Off metal - up to 2" (5.1 cm)

Input Voltage

- 12VDC at reader

Typical Current Draw

- 140mA average

Operating Temperature

- - 40° C to 65° C (- 40° F to 149° F)

Cable Distance

- 12" wire pigtail standard
- Wiegand interface 500 feet (152 meters)
- 6 conductor shielded 22 AWG

Indoor/Outdoor Design

- Secured in a rugged, tamper-resistant epoxy potting designed to withstand harsh weather conditions
- Easily installed in any location

Ordering Options

K-SMART	13.56MHz Contactless Mifare Reader, reads secure sector on Keyscan Mifare credentials, CSN on others.
K-SMART-125	HID 125kHz to Mifare credential migration reader. Same as K-SMART with added HID compatible 125kHz PROX credential read capability.
K-SMART-GOV	US Government approved FIPS 201 & TWIC transparent reader. Supports PIV types A/B, TWIC Types A/B
Credentials	
K-SECURE	13.56MHz Contactless ISO Printable Mifare smartcard with built-in Max Secure encryption technology for advanced credential security. Package of fifty (50) cards.

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