

# Keyscan K-SMART

*High security contactless smartcard reader*



*An affordable  
high security  
combination*

## K-SMART 13.56 MHz high security reader

With Keyscan's K-SMART's built in support for smartcard security and encryption along with Keyscan's additional AES multi-layer encryption, K-SMART users benefit from the convenience of a contactless credential with the enhanced security that only a smartcard credential and reader combination can offer.

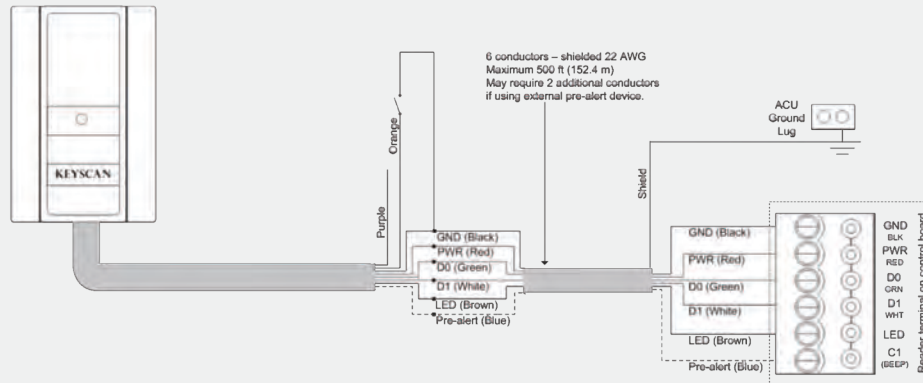
- Uses internationally acclaimed contactless smartcard technology
- K-SMART supports Keyscan's K-SECURE contactless smartcards
- The K-SECURE credential provides anti-counterfeiting protection using Keyscan's Max Secure encryption technology on 'over the air' transmission between the reader and card
- Supports ISO 14443 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
- 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



## Features and Benefits:

- 1 Uses industry proven nonproprietary smartcard technology
- 2 K-SECURE credentials provide anti-counterfeiting protection
- 3 Versatile reader design suitable for both mullion and single gang plate installation
- 4 Designed and engineered with KEYSCAN reliability and quality

## Applications:



## Specifications:

### Size

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

### Read Range

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

### Input Voltage

- 12 VDC at reader

### Typical Current Draw

- 210 mA (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

Electronic Access & Data (EAD)

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