

# Dual Technology Standalone Proximity Card Readers

## Read both Secura Key and HID Prox Cards

RKDT-SA-M/ RKDT-SA-S



The Radio Key® RKDT dual technology standalone proximity card readers are fully programmable single-door access control systems in a compact, weather-resistant, surface mounted housing.

The RKDT-SA-M/S adds HID Prox compatibility to the popular Radio Key® proximity standalone access control units. It can be used where HID and Secura Key cards are combined at the same facility, or where customers are transitioning from HID to Secura Key. The reader can be set to read either technology or both, and following a transition period, reading capability for either technology can be “turned off.”

The RKDT-SA-M/S works with Secura Key 26 or 32-bit cards, as well as HID 26 bit cards.

The RKDT-SA-M/S can manage up to 65,000 individual cards or tags. Users are added and deleted easily with an RK-HHP handheld programmer. The block add/delete feature allows quick setup. The latch timer can be set from ¼ second up to 18 hours, or to toggle (on/off). The solid-state latch relay defaults to Normally Open operation, but can be configured to Normally Closed operation

for use with maglocks or fail-safe strikes. The unit includes a remote open (REX) input.

RKDT-SA-M/S can be used with the optional SecuRelay™ smart relay module, which separates the lock/gate control relay from the access control unit for added tamper protection. The RKDT-SA-M/S includes timed anti-passback to prevent card sharing, and can be set to operate in four different modes: Active, Inactive, Unlocked, and Toggle.

The RKDT-SA-M has a mullion-mount housing which fits a standard door frame. The RKDT-SA-S has a switchplate configuration which fits a standard J-box.

A Wiegand output allows the reader to be connected to a multi-door access control or telephone entry system, if desired, allowing a standalone installation to be upgraded to a networked system. This feature will work with Secura Key or HID Cards. The Wiegand data outputs are always functional, even during standalone operation. When used as part of a larger system, the local card memory and relay may be used for degraded mode or other special functions, such as lighting or HVAC control.

## Features:

- Low Priced Single Door Proximity Entry System
- No Control Panel Required
- Reads Secura Key and HID 125 KHz passive proximity cards and tags
- Transition feature allows Secura Key or HID cards to be enabled or disabled
- Epoxy potted for extreme weather conditions
- Timed Anti-Passback up to 99 minutes
- Remote Open (REX) Input
- Recognizes up to 10 facility codes
- Latch relay programmable for NO or NC operation
- Four Operating Modes: Active, Inactive, Unlocked and Toggle
- Block Add/Delete Card feature allows quick setup
- Program with Handheld Programmer
- Wiegand Output for Future Expansion
- UL294, FCC and CE Regulatory Approvals

	RKDT-SA-M (Mullion)	RKDT-SA-S (Switchplate)
Dimensions (H, W, D)	4.38" x 1.74" x 0.9" (11.12 x 4.19 x 2.28 cm)	4.5" x 3.2" x 0.84" 11.43 x 8.12 x 2.13 cm
Mounting	Mullion, post	US single-gang box, wall, post
Weight	3.42 oz (97.09 gm)	7.84 oz (222.26 gm)
Material	ABS	Lexan
Color	Black	Black
Power Requirements	150 mA @ 5-14VDC	
Latch Relay	SPST solid state relay Defaults to NO, configurable for NC for magnetic locks/failsafe devices 1A max @ 60 VAC/DC or use SecuRelay™	
Inputs	Multifunction: Program as Request to Exit (SPST) or Red and Green LED control (ground to activate). Hold and Buzzer Inputs (ground to activate)	
Communications	Wiegand - formats up to 40 bits	
Cable required	Wiegand LED/Buzzer Control/Power: Up to 500 ft 5-8 cond. 20 AWG Shielded, non-twisted. Remote Open: 2 cond. 20 AWG Shielded; Latch: 2-cond 18 AWG Unshielded	
Environmental	Operating Temperature: -40° to +158° F (-40° to +70° C) Relative Humidity: 0-100% Non-Condensing	
Operating Frequency	125 kHz	
Read Range	RKCM-02 Molded Card up to 4.5" (11.4 cm) RKCI-02 ISO Card up to 2.5" (6.3 cm) RKKT-02 Key Tag up to 3.5" (8.8 cm)	RKCM-02 Molded Card up to 6.5" (16.5 cm) RKCI-02 ISO Card up to 3.5" (8.8 cm) RKKT-02 Key Tag up to 5.0" (12.7 cm)
User Capacity	65,000 sequentially numbered cards	
Memory	Non-Volatile (Programming retained, even if power is lost)	
Operating Mode	Normal (Active); Inactive (REX functional); Unlocked (open indefinitely); Toggle (valid card will lock/unlock)	
Latch Timer	Programmable: 0.25 sec.- 18 hrs or Toggle Mode	
Programming	RK-HHP Hand-held programmer keypad	
Compatible Cards - Secura Key	RKCM-02 (Molded Clamshell); RKCI-02 (ISO); RKKT-02 (Key tag) 26 or 32-bit format	
Compatible Cards -HID	ProxCard® II, ISOProx® II, DuoProx® II, ProxKey® II, MicroProx® Tag. Standalone Mode: 26-bit Format. Wiegand Mode: Most pass-through (non-proprietary) Wiegand formats up to 37-bits. Call factory for additional information.	
Regulatory Approvals	UL/cUL294, Part 15 Class B FCC, Canada Radio, CE Mark, RoHS compliant	
Warranty	This Secura Key product is warranted against defects in materials and workmanship for life. Secura Key will replace any Secura Key manufactured product that fails to perform as intended. This warranty does not include freight, taxes, duties, or installation expenses. See price list for complete terms and conditions.	

## ORDERING

### READERS

RKDT-SA-M Mullion, black, 65,000 users  
RKDT-SA-S Switchplate, black, 65,000 users

### ACCESSORIES

SK-SR SecuRelay® Smart Relay Module DPDT  
RK-HHP Handheld Programmer  
RK-PS 12VDC 500mA plug-in power supply,  
120VAC In for Access Unit Only

### CARDS/TAGS

RKCM-02 Molded Cards, Seq. Numbering w/Facility Code  
RKCM-02-25 Pack of 25 molded cards, 26 bit  
RKCI-02 ISO Cards, Field Printable, Seq. Numbering w/Facility Code  
RKCI-02-MS ISO Cards, Field Printable, Seq. Numbering w/Facility Code  
with unencoded mag stripe  
RKKT-02 Key Tags, Black Plastic, Seq. Numbering w/Facility Code  
RKKT-02-25 Pack of 25 key tags, 26-bit  
SK-IDL-100 20 mil PVC Field Printable Adhesive label (Pack of 100)

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