

Dual Technology Proximity Card Readers

Read both Secura Key and most HID® Prox Cards*

RKDT-WM/ RKDT-WS



The Radio Key® RKDT dual technology card readers feature compact, weather-resistant, surface mounted housings. They are available in either mullion mount (RKDT-WM) or wallswitch (RKDT-WS) form factors.

The RKDT-WM/WS adds HID® prox card compatibility with many formats to the popular Radio Key® proximity readers. 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-WM/WS works with Secura Key 26 or 32-bit cards, as well as HID® passive cards with non-proprietary 26 – 37 bit “pass-through” formats. Contact the factory for additional details.

The RKDT-WM/WS has an SIA Standard Wiegand output and transmits data in virtually any Wiegand format up to 40 bits, so it is compatible with most

telephone entry systems and access control panels, including the Secura Key SK-ACP. Industry standard wire colors and functions, and 5VDC operation allows easy upgrade of existing Wiegand interface readers including Wiegand swipe, TOUCH CARD™ (barium ferrite) or magstripe technologies, as well as replacement of existing HID® readers.

The RKDT-WS has a switchplate configuration which fits a standard J-box. It includes a convenient wiring harness, which allows the reader to be plugged in when the installation is completed.

The RKDT-WM has a mullion-mount housing which fits a standard door frame, features a permanently attached wire pigtail, and has a label insert that snaps over the reader housing to conceal the mounting screws.

The readers have individual control lines for red and green LEDs and the internal buzzer, as well as a Hold line which suppresses Wiegand output when asserted, and transmits the last card read when released.

Features:

- Reads Secura Key and most HID® 125 KHz passive proximity cards and tags (non-proprietary formats)
- Epoxy potted for extreme weather conditions
- Transition feature allows Secura Key or HID® card reading capability to be enabled or disabled
- Mullion or J-Box Mounting
- External LED and Buzzer Controls
- Low Voltage for Easy Upgrades
- SIA Standard Wiegand Output -- works with any Standard Access Control Panel
- Industry Standard Wire Colors and Functions for Easy Upgrade or Replacement
- UL294, FCC and CE Regulatory Approvals

	RKDT-WM (Mullion)	RKDT-WS (Switchplate)
Dimensions (H, W, D)	3.5" x 1.6" x 0.6" 8.89 x 4.06 x 1.52 cm	4.5" x 3.2" x 0.84" 11.43 x 8.12 x 2.13 cm
Mounting	Mullion, wall, post	US single-gang box, wall, post
Weight	2.88 oz (81.65 gm)	7.84 oz (222.26 gm)
Material	ABS	Lexan
Color	Black	Beige
Power Requirements	150mA Max. @ 5-14VDC	
Bi-Color LED	Red and Green - Ground control line to Activate, or ground both for Amber	
Buzzer Control	Ground to Activate	
Hold Line	Ground to Activate	
Communications	Wiegand - formats up to 40 bits	
Cable required	Up to 500 ft. 5-10 cond. 18-22 AWG Shielded, non-twisted	
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)
Operating Mode	Read-only, card data: Radio Key® +HID® Prox (default); Radio Key® Only; HID® Only (field configurable)	
Compatible Cards - Secura Key	RKCM-02 (Molded Clamshell Card); RKCI-02 (ISO Card); RKKT-02 (Key Tag)	
Compatible Cards - HID® Formatted	ProxCard® II, ISOProx® II, DuoProx® II, ProxKey® II, MicroProx® Tag – encoded with "pass-through" Wiegand formats 26-37 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-WM Mullion, black
RKDT-WS Switchplate, black

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)
Custom Graphics are available for cards

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