RADIO KEY®

SecuraKey

Smart. Reliable. Secure.

Standalone Proximity Card Readers

RK600 / RK600e / RK65K / RK65KS

Radio Key® standalone proximity card readers manage from 600 to 65,000 individual users. They are fully programmable, standalone single door access control systems. They are compact, weather-resistant, surface mounted units. They have an internal reader, and can be used alone for most applications. Patented Dynascan® automatic tuning optimizes each reader to its environment, assuring superior read range.

RK600 and RK600e. The RK600e provides access control for up to 600 users, using random-numbered cards or key tags, and can be programmed easily with an RK-HHP hand held programmer or an RK-PD1 program card deck. Additionally, the RK600 features a 16-position keypad, used for PIN code entry or for programming the unit. The RK600 allows PIN Only or Card Only access for any user.

The optional RKAR Auxiliary Reader can be used as a second reader, allowing card-in/card-out operation. In high-risk installations, the RKAR can be mounted on the outside, while the RK600(e) is mounted on the secure side of the door or gate, preventing tampering with the REX input or strike relay connections

The RKAT Audit Trail Module allows the connection of a serial printer or PC to the RK600(e). With a serial printer, the user can print date and time stamped transactions as they occur, a key tag/PIN status report, or a list of the last 150 transactions. With a PC, the user can program the unit, produce reports with user names and information, backup/restore key tag/PIN programming or copy programming from one RK600 to another. The module plugs into the RK600, and fits inside the reader housing. A cable is included, along with RK-LINK™ software for Windows®.

RK65K and RK65KS. These readers can manage up to 65,000 individual users with sequentially-numbered cards or tags. Users are added and deleted easily with an RK-HHP handheld programmer or an RK-PD1 program card deck. The latch timer can be set from $\frac{1}{4}$ second up to 18 hours, or to toggle (on/off). RK65K and RK65KS 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.

A Wiegand output allows the reader to be connected to a multi-door access control or telephone entry system, if desired. When used as part of a larger system, the local card memory and relay may be used for degraded mode or other special functions.

Features:

- Low Priced Single Door Proximity Entry System

- Weather Resistant Units for Outdoor Locations: RK600e conformal coated, RK65K epoxy potted

- 125 kHz Proximity Technology

- Dynascan® Auto Tuning for Superior Read Range

- Up to 6" Read Distance

- No Control Panel Required

- Program with Handheld Programmer or Proximity Card Deck (RK600e/RK65K/RK65KS)

- Wiegand Output for Future Expansion (RK65K)

- Connect PC or Serial Printer with Optional Audit Trail Module (RK600, RK600e)

- Optional Auxiliary Reader for High-Security / Extreme Weather Conditions (RK600, RK600e)

- UL294, FCC and CE Regulatory Approvals

RADIO KEY® Standalone Proximity Readers
SPECIFICATIONS

	RK600 / RK600e (Wall switch)	RK65K (S-Mini-mullion)	RK65KS (Wall switch)
Dimensions (H, W, D)	Wall switch: 4.5" x 3.2" x 0.84" 11.43 x 8.12 x 2.13 cm	3.50" x 1.60" x 0.60" 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	US single-gang box, wall, post, pedestal	Mullion, wall, post	US single gang box, wall, post
Weight	RK600 – 4.0 oz (114.50 gm) RK600e – 5.0 oz (141.75 gm)	2.88 oz (81.65gm)	6.67 oz (189.15gm)
Material	Lexan	ABS	Lexan
Color	Beige	Black	Beige
Power Requirements	50 mA / 100 mA avg/peak @ 9-14VDC	40mA/90mA avg/peak @ 5-14VDC	
Latch Relay	DPDT 0.5A max @250VAC, 2A max @ 24VAC/DC	SPST solid state relay 1A max @ 60 VAC/DC or use SecuRelay®	
Shunt Relay	DPDT 0.5A max @250VAC, 2A max @ 24VAC/DC	N/A	
Inputs	Request to Exit (Requires SPST contact closure)	Program as Request to Exit (SPST) or Red and Green LED (ground to activate) Option to activate buzzer with Green LED	
Communications	RS-232 to PC or Printer with optional RKAT	Wiegand - any format up to 40 bits	
Cable required	Serial: 4-cond., shielded 18-24 AWG Aux Reader: 2 cond. non-tw. / non-shield, and 4 cond. shielded	Wiegand Mode: Up to 500 ft 5-6 cond. 20 AWG Shielded	
Environmental	Operating Temperature: -40° to +158° F(-40° to +70° C) Relative Humidity: 0-100% Non-Condensing		
Operating Frequency	125 kHz		
Read Range	Molded Card up to 6" (15.24 cm), ISO Card/key tag up to 5" (12.70 cm)		
User Capacity	600 PINs or random numbered cards	65,000 sequentially numbered cards	
Memory	Non-Volatile (Programming retained, even if power is lost)		
Operating Modes	600: Card-only or 5-7 digit PIN only, 600e: Card Only	Card Only	
Latch Timer	Programmable: 0.25 – 30 seconds	Programmable: 0.25 sec.- 18 hrs or Toggle Mode	
Programming	RK-LINK™ software with optional RKAT module. RK600: 16-position integrated keypad RK600e: HHP hand held programmer keypad or RK-PD1 programming deck.	HHP Hand-held programmer keypad or RK-PD1 programming deck	
Reports	Card/Keytag/PIN Status, Last 150 Events	NA	
Compatible Cards	RKCM-01 (Molded Clamshell); RKCI-01 (ISO); RKKT-01 (Key tag) Random Numbered Cards – no FC	RKCM-02 (Molded Clamshell); RKCI-02 (ISO); RKKT-02 (Key tag) Sequentially numbered with up to 10 FC's	
Regulatory Approvals	UL/cUL294, Part 15 Class B FCC, CE Mark		
Warranty	These Secura Key products are 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
RK600 — Wallswitch, beige, 16-position keypad, 600 users
RK600e — Wallswitch, beige, 600 users
RK65K — Mini-Mullion, black, 65,000 users
RK65KS — Wall switch, beige, 65,000 users

ACCESSORIES
RKAR — Auxiliary Reader used with RK600(e)
RKAT — Audit Trail Module and RK-LINK™ Software
RK600-BB — Back box / spacer, beige, Lexan®
RK-GM — Glass Mount Kit
SK-SR — SecuRelay® Smart Relay Module DPDT
RK-PD1 — Proximity Programming Deck
RK-HHP — Handheld Programmer
RK-PS — 12VDC 500mA plug-in power supply, 120VAC In for Access Unit Only

CARDS
RKCM-02 — Molded Cards, Seq. Numbering w/Facility Code (-01, Random Numbering)
RKCI-02 — ISO Cards, Field Printable, Seq. Numbering w/Facility Code (-01, Random Numbering)
RKCI-02-MS — ISO Cards, Field Printable, Seq. Numbering w/Facility Code with unencoded mag stripe (-01, Random Numbering)
RKKT-02 — Key Tags, Black Plastic, Seq. Numbering w/Facility Code (-01, Random Numbering)
RKCM-02-25 — Pack of 25 molded cards, 26 bit
RKKT-02-25 — Pack of 25 key tags, 26-bit
RKCM-IDL — 20 mil PVC Field Printable Adhesive label
Custom Graphics are available for cards

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