RADIO KEY® RK-65K/RK-65KS Stand Alone Proximity Access Control with DYNASCAN®* TECHNOLOGY



Radio Key[®] RK-65K and RK-65KS are fully programmable, stand alone proximity access control unit that can manage up to 65,000 individual users. Patented Dynascan[®]* technology assures maximum performance in almost any environment. In the random transponder mode (RK100M mode) the unit manages up to 100 randomly encoded transponders. (NOTE: the RK-65K replaces the RK-100M. See the RK-65K manual for details).

Users are issued proximity cards or key tags which need only be held within 6" of the unit to be detected. Presenting a valid card or tag activates the solidstate relay and results in a long green LED and audible beep. A Remote Open input is provided to allow activation remotely via pushbutton.

Cards and tags are added and deleted easily with an inexpensive proximity program card deck (RK-PD1) or a handheld programmer (RK-HHP). These can also be used to set the latch timer from ¹/₄ second up to 18 hours, or to toggle (on/off). PC's and external programmers are unnecessary.

RK-65K and RK-65KS can be used with the SecuRelay[™] smart relay module. SecuRelay[™] separates the lock/gate control relay from the access control unit for added protection.

A Wiegand output is provided allowing the reader unit 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.



The RK-65K is small enough to be mounted on most door frames and mullions. RK-65KS is the size of a light switch plate. Both are fully potted for extreme weather-resistance. Installation is extremely easy, requiring only two screws. There are no external controllers or panels to install.

* U.S. PATENT # 6317027



- Low Priced, Single-Door Proximity Entry System
- Up to 65,000 Proximity Tags or Cards
- Programmed with an Inexpensive Proximity Card Deck or handheld programmer
- Up to 6" Read Distance
- Wiegand Output for Future Expansion
- Timed Antipassback to Discourage Tailgating
- Patented Dynascan^{®*} Technology
- No Control Panel or PCs Needed



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RADIO KEY[®] RK-65K/RK-65KS - SPECIFICATIONS All dimensions in drawings are indicated in inches.

→0.60 **←**1.60 → 0.065 0.033 I 3.20 → I → I.84 I ← I ← 2.125 → I → I ← **←** 2.125 → **→** ← 1.26 → → ► ← 20 Mounting Plate ୕୕ С l abe LED Tabs 3.087 2.30 3.50 Inser 3.375 4.50 3.375 2.00 Here ۷ → - 30 ۷ Access Control Unit Label Access Control Unit Molded Card **ISO Image-able Card** Key Tag Model RK-65K Model RKCI-01/02 Insert Model RK-65KS Model RKKT-01/02 Model RKCM-01/02 **RK-65KS** Molded Card ISO Image-able Card PHYSICAL **RK-65K** Key Tag 0.84" (2.13 cm) 0.033" (0.08 cm) Depth 0.60" (1.52 cm) 0.20" (0.50 cm) 0.065" (0.17 cm) Width 1.60" (4.06 cm) 3.20" (8.12 cm) 1.26" (3.20 cm) 2.125" (5.40 cm) 2.125" (5.40 cm) 3.50" (8.89 cm) 4.50" (11.43 cm) 2.00" (5.00 cm) 3.375" 3.375" (8.57 cm) Height (8.57 cm) 2.88 oz. (81.65 gm) 6.67 oz. (189.15 gm) 0.25 oz. (7.20 gm) 0.39 oz. (11.16 gm) 0.20 oz. (5.67 gm) Weight ABS Lexan® PVC Material ABS Beige White White Color Gray POWER REQUIREMENTS 5-14 VDC, 90 mA Maximum; 60 Idle **OUTPUTS** SPST Solid State Relay, 1A max. @60 VAC or DC Normally open or normally closed (field programmable) May also be used with SecuRelay[™] smart relay module (sold separately) **INPUTS** Remote Open (requires contact closure): Bicolor (Red or Green) LED Control or Buzzer/LED control WIEGAND OUTPUT Any Wiegand Format up to 40 bits Maximum Cable Distance from panel is 500 Ft.- 5 or 6 conductor 20 gauge shielded cable **ENVIRONMENT** Access Control Unit and Card/Key Tag Ambient Temperature -40° to +70°C (-40° to +158°F) Humidity 0 to 100% **OPERATIONAL Reading Distance** Molded Card: Up to 6" (15.24 cm); Key Tag & ISO Card: Up to 5" (12.70 cm) 65,000 RK _- 02 Key Tags or Cards (26 or 32 bit), 10 Facility Codes, **User Capacity** 100 RK -- 01 Key Tags in 100M mode) Card/Key Tag Operation Passive Transmit Frequency 125 kHz Memory Non-Volatile Latch Timer Programmable from 0.25 seconds to 18 hours, or Toggle Mode Timed Antipassback Programmable from 1 to 99 minutes **ACCESSORIES** RK-PD1 Proximity Programming Deck Handheld Programmer **RK-HHP RK600-PS** 9VDC, 200 mA, plug-in Power Supply, 120 VAC Input. For Access Unit Only. SecuRelay[™] - Smart relay module, DPDT. SK-SR CE This product complies with UL 294 Standards, CE (European Standards) and with Part 15 of Class B FCC Rules.

WARRANTY (U.S. and Canadian)

"This product is warranted against defects in materials and workmanship for a period of 2 years from the date of purchase. Secura Key shall, at its option, either replace or repair this product, if returned to us freight prepaid within the warranty period. This warranty does not include freight, taxes, duties, or installation expenses. THE WARRANTY SET FORTH ABOVE IS EXCLUSIVE AND NO OTHER WARRANTY, WHETHER WRITTEN OR ORAL, IS EXPRESSED OR IMPLIED. SECURA KEY SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. The remedies provided herein are the buyers' sole and exclusive remedies. In no event shall Secura Key be liable for direct, indirect, special, incidental or consequential damages (including loss of profits), whether based on contract, tort or any other legal theory." Contact Secura Key for Card/Tag and Export Warranty Policies.

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