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 solid-state 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 ¼ 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.
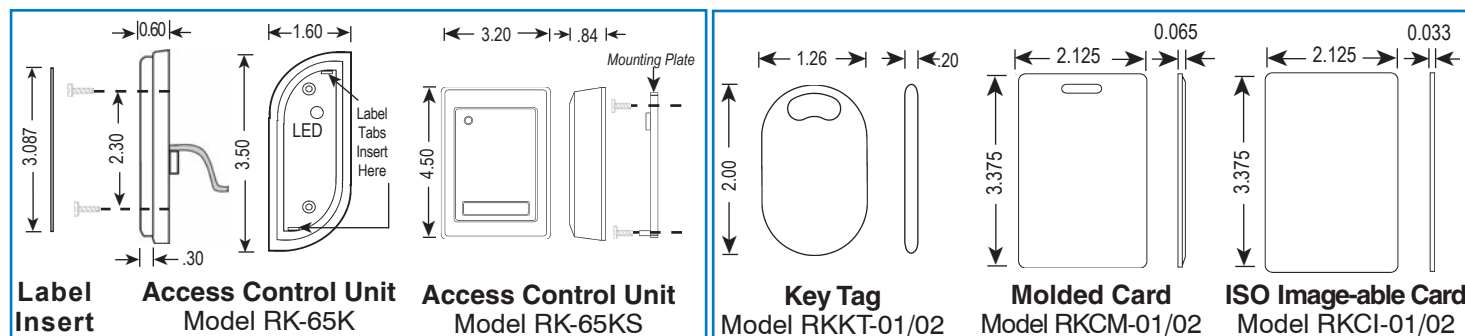
* U.S. PATENT # 6317027

- **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**

Secura Key
A Division of SOUNDCRAFT Inc.

RADIO KEY® RK-65K/RK-65KS - SPECIFICATIONS

All dimensions in drawings are indicated in inches.

Label Insert	Access Control Unit Model RK-65K	Access Control Unit Model RK-65KS	Key Tag Model RKKT-01/02	Molded Card Model RKCM-01/02	ISO Image-able Card Model RKCI-01/02

PHYSICAL

	RK-65K	RK-65KS	Key Tag	Molded Card	ISO Image-able Card
Depth	0.60" (1.52 cm)	0.84" (2.13 cm)	0.20" (0.50 cm)	0.065" (0.17 cm)	0.033" (0.08 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)
Height	3.50" (8.89 cm)	4.50" (11.43 cm)	2.00" (5.00 cm)	3.375" (8.57 cm)	3.375" (8.57 cm)
Weight	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)
Material	ABS	Lexan®	ABS	PVC	
Color	Gray	Beige	White	White	

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)
User Capacity	65,000 RK _- 02 Key Tags or Cards (26 or 32 bit), 10 Facility Codes, 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
RK-HHP	Handheld Programmer
RK600-PS	9VDC, 200 mA, plug-in Power Supply, 120 VAC Input. For Access Unit Only.
SK-SR	SecuRelay™ - Smart relay module, DPDT.

This product complies with UL 294 Standards, CE (European Standards) and with Part 15 of Class B FCC Rules.   CE

WARRANTY (U.S. and Canadian)

DISTRIBUTED BY:

Specifications subject to change without notice

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