

# RADIO KEY<sup>®</sup> RK-WM

## Wiegand Output Proximity Reader

with DYNASCAN<sup>®</sup>\* TECHNOLOGY



**RADIO KEY<sup>®</sup> RK-WM - ACTUAL SIZE**

**Radio Key<sup>®</sup> RK-WM Proximity Reader** is designed to integrate into any system requiring a Wiegand output. The reader will read Secura Key proximity cards or key tags and transmit the data in virtually any Wiegand Format up to 40 bits.

Secura Key's patented DYNASCAN<sup>®</sup>\* technology assures maximum performance in any environment.

This completely potted unit is rated for extreme weather use and is vandal resistant. Includes LED and buzzer control.

Installation of the **Radio Key<sup>®</sup> RK-WM** is easy. Two screws mount the unit to a mullion, masonry wall, post, or almost any surface.

\*U.S. PATENT #6317027

**Secura Key**  
A Division of SOUNDCRAFT Inc.

- UP TO 6" READ DISTANCE
- WIEGAND FORMATS - UP TO 40 BITS
- PATENTED DYNASCAN<sup>®</sup>\* TECHNOLOGY
- EXTREME WEATHER RESISTANCE
- VANDAL RESISTANT
- INEXPENSIVE
- EASY TO INSTALL
- LED AND BUZZER



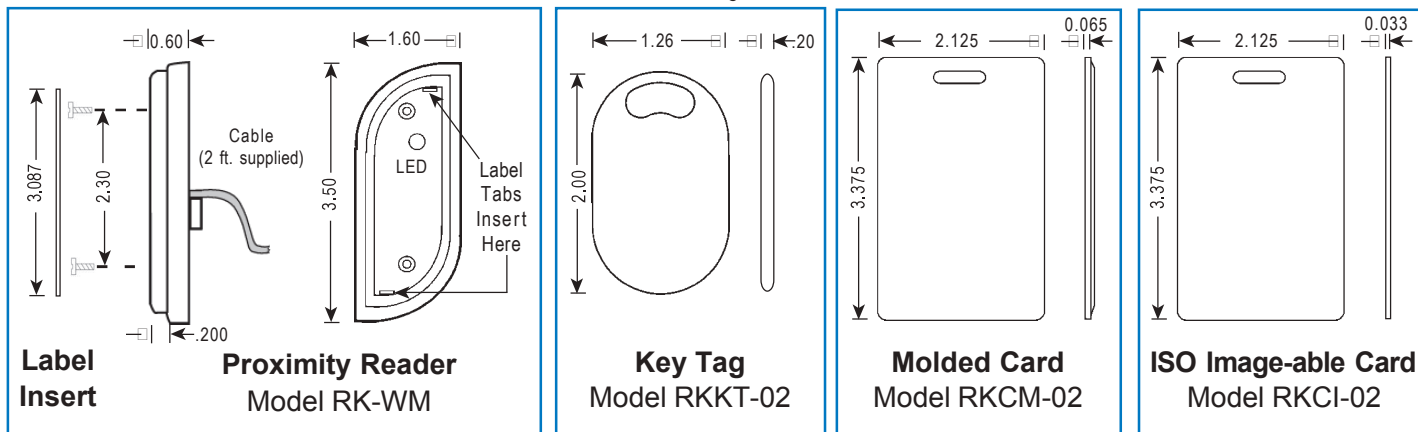
Specifications subject to change without notice

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# RADIO KEY □ RK-WM - SPECIFICATIONS

All dimensions in drawings are indicated in inches.



## PHYSICAL

	Proximity Reader	Key Tag	Molded Card	ISO Image-able Card
Depth	0.60" (1.52 cm)	0.20" (0.50 cm)	0.065" (0.17 cm)	0.033" (0.08 cm)
Width	1.60" (4.06 cm)	1.26" (3.20 cm)	2.125" (5.40 cm)	2.125" (5.40 cm)
Height	3.50" (8.89 cm)	2.00" (5.00 cm)	3.375" (8.57 cm)	3.375" (8.57 cm)
Weight	2.88 oz. (81.65 gm)	0.25 oz. (7.20 gm)	0.39 oz. (11.16 gm)	0.20oz. (5.67 gm)
Material	ABS	ABS	ABS	PVC
Color	Black	Black	White	White

## POWER REQUIREMENTS

5-14 VDC, 90 mA maximum

## OUTPUTS & INPUTS

Wiegand Output  
LED/Buzzer Control

Data 1 and Data 0  
LED  
Buzzer

Output Sink Current: 100mA; Output Source Current: 5mA  
Bicolor (Red or Green)  
Short chirp upon presentation of any compatible Secura Key transponder, also controlled by input.

Cable Required

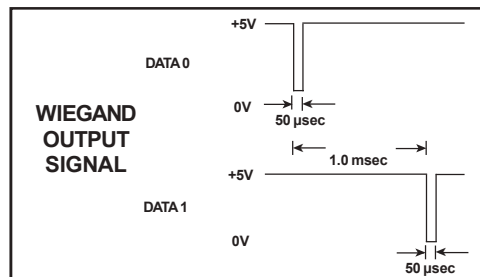
Maximum Distance

500 ft.- 5 to 7 conductor 20 gauge shielded cable (depends on LED and Buzzer control used)

## READER CONNECTION

WIRE#	WIRE COLOR	DESCRIPTION
1	RED	5-14VDC
2	BLACK	GROUND
3	GREEN	DATA-0
4	WHITE	DATA-1
5	BROWN	RED LED INPUT*
6	ORANGE	GREEN LED INPUT*
7	BLUE	BUZZER INPUT*

\*Connect to GROUND to activate.



## 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 and ISO Card: Up to 5" (12.70 cm)  
Card/Key Tag Operation: Passive  
Transmit Frequency: 125 kHz

This product complies with UL 294 Standards, with Part 15, Class B FCC Rules and meets R&TTE Requirements (European Standards).

## 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.

## DISTRIBUTED BY:



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