



# TECHNICAL Practice

**TELECOM SOLUTIONS FOR THE 21ST CENTURY**

**PROXCARD  
PROXCARD-ISO  
PROXFOB**  
26 Bit Wiegand  
Proximity Cards & Fob  
November 16, 2011

## **HID Compatible 125KHz Proximity Cards and Key Ring Fobs for Use with Viking PROX-1, 2, 3 or HID Card Readers**



**PROXCARD**

The **PROXCARD** and **PROXCARD-ISO** are non-contact security cards that can be placed in front of a **PROX-1, 2, 3, HID-2** or any 125KHz HID compatible proximity card reader to allow entrance into a secured area. The **PROXCARD** is a clam shell card made made from 0.070" thick plastic to resist bending and folding. A slot is provided at one end to allow a lanyard to be added for creating a "dog tag" style neck strap. The **PROXCARD-ISO** is a thin 0.032" thick flexible "ISO" style proximity card. Much like a credit card, the **PROXCARD-ISO** is perfect for storing in your wallet.

The **PROX-FOB** is a proximity key ring fob with brass eyelet designed to attach to a key chain or necklace. The **PROX-FOB's** compact size is only 1.5" x 1.2" x 0.15" making it one of the smallest available.



**PROXFOB**

The cards and fobs are pre-programmed with a standard 26 bit Wiegand format consisting of a three digit facility code and a five-digit card number. The range of facility codes is from 2 to 254, and the card numbers range from 1 to 65,534. The actual card number can be printed on a label and placed on the back of each card for easy reference, or the card number can be offset by a fixed value for security purposes.

When ordering, the quantity, facility code, and starting card number along with the card number printing must be specified. Please use the attached order form on page 2.

## **Features**

- Industry standard 125KHz RFID technology
- 26 bit Wiegand format
- Non-contact reading for long life
- Use with the Viking **PROX-1, 2, 3, HID-2** or any HID compatible proximity card reader
- **PROXCARD** is a durable 0.070" thick plastic card with a slot for neck strap
- **PROXCARD-ISO** is a thin 0.032" thick flexible "ISO" style card
- **PROXFOB** is a durable key ring fob with a IP67 rating allowing it to even withstand the washing machine
- Up to 253 facility codes and 65,534 card numbers available
- Cannot be erased by a magnet

## **Applications**

- Use with Viking **PROX-1, PROX-2, PROX-3, HID-2** or any HID compatible 125KHz 26 bit Wiegand proximity card reader
- Applications include: apartment entry, building security and secured offices

## **Specifications**

**PROXCARD Dimensions:** 54.2mm x 86.1mm x 1.78mm (2.135" x 3.39" x 0.070")

**PROXCARD Shipping weight:** 10 g (0.35 oz)

**PROXCARD-ISO Dimensions:** 53.9mm x 85.5mm x 0.81mm (2.124" x 3.368" x 0.032")

**PROXCARD-ISO Shipping weight:** 6 g (0.21 oz)

**PROXFOB Dimensions:** 38.1mm x 30.5mm x 3.8mm (1.5" x 1.2" x 0.15")

**PROXFOB Shipping weight:** 3 g (0.11 oz)

**Read Range:** Variable - see proximity card reader specifications

**Facility Code Range:** 2 - 255

**Card Number Range:** 1 - 65,535

**Format:** 26 bit standard Wiegand

**Operating Frequency:** 125kHz

**Phone...715.386.8861**

**<http://www.vikingelectronics.com>**

# PROXCARD / PROXCARD-ISO / PROXFOB Order Form

Please fill out the following form and return it to your Viking distributor or fax it to Viking at 715-386-4344.  
**IMPORTANT: PROGRAMMED CARDS/FOBS ARE NON-CANCELABLE AND NON-RETURNABLE.**

CUSTOMER INFORMATION    Date: \_\_\_\_\_    Distributor PO#: \_\_\_\_\_

Contact: \_\_\_\_\_    Company: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_    Fax: \_\_\_\_\_

## PROXCARD/FOB SPECIFICATIONS:

Credential Type:     PROXCARD     PROXCARD-ISO     PROXFOB

Quantity: \_\_\_\_\_

Facility Code (2 - 254): \_\_\_\_\_

First Internal (programmed) Card Number (00001 - 65534): \_\_\_\_\_

First External Card Number: \_\_\_\_\_

or No External Card Number, check box:

Signature: \_\_\_\_\_

## Quick Definitions:

**Facility Code:** A 3-digit number that each PROXCARD/PROXFOB contains in order to provide greater security. Usually the cards used at a given building all have the same facility code.

**Internal Card Number:** A 5-digit number that each PROXCARD/PROXFOB contains. This number must be programmed in the card by Viking.

**External Card Number:** The number that is printed on a label and placed on the back side of each PROXCARD or PROXFOB.

Fill out the entire form  
above and fax to:  
**715-386-4344**

## (Internal Use Only)

File Name: \_\_\_\_\_

Notes: \_\_\_\_\_

**IF YOU HAVE A PROBLEM WITH A VIKING PRODUCT, PLEASE CONTACT: VIKING TECHNICAL SUPPORT AT (715) 386-8666**

Our Technical Support Department is available for assistance Monday 8am - 4pm and Tuesday through Friday 8am - 5pm central time. So that we can give you better service, before you call please:

1. Know the model number, the serial number and what software version you have (see serial label).
2. Have your Technical Practice in front of you.
3. It is best if you are on site.

## RETURNING PRODUCT FOR REPAIR

The following procedure is for equipment that needs repair:

1. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (RA) number. The customer MUST have a complete description of the problem, with all pertinent information regarding the defect, such as options set, conditions, symptoms, methods to duplicate problem, frequency of failure, etc.
2. Packing: Return equipment in original box or in proper packing so that damage will not occur while in transit. Static sensitive equipment such as a circuit board should be in an anti-static bag, sandwiched between foam and individually boxed. All equipment should be wrapped to avoid packing material lodging in or sticking to the equipment. Include ALL parts of the equipment. C.O.D. or freight collect shipments cannot be accepted. Ship cartons prepaid to: **Viking Electronics, 1531 Industrial Street, Hudson, WI 54016**
3. Return shipping address: Be sure to include your return shipping address inside the box. We cannot ship to a PO Box.
4. RA number on carton: In large printing, write the R.A. number on the outside of each carton being returned.

## RETURNING PRODUCT FOR EXCHANGE

The following procedure is for equipment that has failed out-of-box (within 10 days of purchase):

1. Customer must contact Viking's Technical Support at 715-386-8666 to determine possible causes for the problem. The customer MUST be able to step through recommended tests for diagnosis.
2. If the Technical Support Product Specialist determines that the equipment is defective based on the customer's input and troubleshooting, a Return Authorization (R.A.) number will be issued. This number is valid for fourteen (14) calendar days from the date of issue.
3. After obtaining the R.A. number, return the approved equipment to your distributor, referencing the R.A. number. Your distributor will then replace the product over the counter at no charge. The distributor will then return the product to Viking using the same R.A. number.
4. **The distributor will NOT exchange this product without first obtaining the R.A. number from you. If you haven't followed the steps listed in 1, 2 and 3, be aware that you will have to pay a restocking charge.**

## LIMITED WARRANTY

Viking warrants its products to be free from defects in the workmanship or materials, under normal use and service, for a period of one year from the date of purchase from any authorized Viking distributor or 18 months from the date manufactured, whichever ever is greater. If at any time during the warranty period, the product is deemed defective or malfunctions, return the product to Viking Electronics, Inc., 1531 Industrial Street, Hudson, WI, 54016. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (R.A.) number.

This warranty does not cover any damage to the product due to lightning, over voltage, under voltage, accident, misuse, abuse, negligence or any damage caused by use of the product by the purchaser or others.

**NO OTHER WARRANTIES.** VIKING MAKES NO WARRANTIES RELATING TO ITS PRODUCTS OTHER THAN AS DESCRIBED ABOVE AND DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

**EXCLUSION OF CONSEQUENTIAL DAMAGES.** VIKING SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE TO PURCHASER, OR ANY OTHER PARTY, FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR EXEMPLARY DAMAGES ARISING OUT OF OR RELATED TO THE SALE OR USE OF THE PRODUCT SOLD HEREUNDER.

**EXCLUSIVE REMEDY AND LIMITATION OF LIABILITY.** WHETHER IN AN ACTION BASED ON CONTRACT, TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY) OR ANY OTHER LEGAL THEORY, ANY LIABILITY OF VIKING SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT, OR AT VIKING'S OPTION, REFUND OF THE PURCHASE PRICE AS THE EXCLUSIVE REMEDY AND ANY LIABILITY OF VIKING SHALL BE SO LIMITED.

IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT EACH AND EVERY PROVISION OF THIS AGREEMENT WHICH PROVIDES FOR DISCLAIMER OF WARRANTIES, EXCLUSION OF CONSEQUENTIAL DAMAGES, AND EXCLUSIVE REMEDY AND LIMITATION OF LIABILITY, ARE SEVERABLE FROM ANY OTHER PROVISION AND EACH PROVISION IS A SEPARABLE AND INDEPENDENT ELEMENT OF RISK ALLOCATION AND IS INTENDED TO BE ENFORCED AS SUCH.

Due to the dynamic nature of the product design, the information contained in this document is subject to change without notice. Viking Electronics, and its affiliates and/or subsidiaries assume no responsibility for errors and omissions contained in this information. Revisions of this document or new editions of it may be issued to incorporate such changes.