



TECHNICAL Practice

TELECOM SOLUTIONS FOR THE 21ST CENTURY

HID-2

**Keypad with
Wiegand Output**

May 11, 2011



Keypad for Entry Systems

The **HID-2** Keypad with Wiegand output allows keyless entry for select Viking apartment or office entry systems. The **HID-2** Keypad features standard 26-bit Wiegand interfacing, a metal enclosure with potted electronics and a pigtail connection for indoor or outdoor applications.

The Keypad interfaces with the **AES-2000** Accessible Entry System. Up to 32 entry points with **HID-2** Keypads may be added to the **AES-2000**.

Alternatively, the **HID-2** can be used with the **ES-1** Stand Alone Door Entry Controller, and the **C-4000** Four Door Entry Controller.

The **HID-2** is equipped with Enhanced Weather Protection (**EWP**) for outdoor installations where the unit is exposed to precipitation or condensation. The **HID-2** features a foam rubber gasket, sealed connections, as well as an epoxy potted circuit board. For more information, see **DOD# 859**.

Features

- Standard 26-bit Wiegand interface
- Designed for outdoor use, the **HID-2** comes standard with Enhanced Weather Protection (EWP)
- **HID-2** is designed to meet IP66 Ingress Protection Rating (see **DOD# 859**)
- Pigtail connection for easy installation
- Red LED shows activity
- Screw protection caps
- Beep tones acknowledge key strokes
- Programmable Facility Code stored in non-volatile memory (no batteries required)

Applications

- Compatible with Viking's **AES-2000** Accessible Entry System (see **DOD# 202**)
- Compatible with Viking's **C-4000** Apartment/Office Entry Controller (see **DOD# 164**)
- Compatible with Viking's **ES-1** Stand Alone Door Entry Controller (see **DOD# 193**)
- Compatible with Viking's **ES-3** Entry System Door Controller (see **DOD# 195**)

Specifications

Power: 12-28V DC, 30mA - average

Dimensions: 181mm x 43mm x 20mm (7.1" x 1.7" x 0.8")

Shipping weight: 0.45 kg (1 lb)

Environmental: -40° C to 70° C (-40° F to 158° F) with up to 100% humidity

Connections: 8" long pigtail leads, 22 gauge

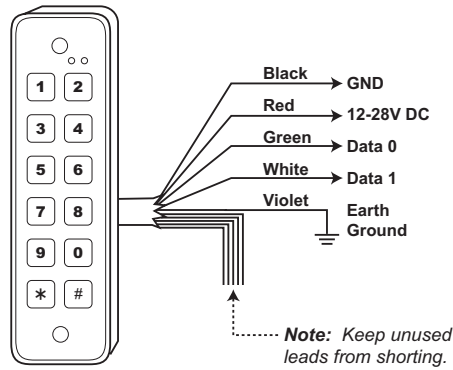
Phone...715.386.8861

<http://www.vikingelectronics.com>

Installation



IMPORTANT: Electronic devices are susceptible to lightning and power station electrical surges from both the AC outlet and the telephone line. It is recommended that a surge protector be installed to protect against such surges.



To Viking product



AES-2000



ES-1



C-4000



ES-3

Programming

The **HID-2** is factory programmed with the facility code cleared (000). To program a facility code, press “*” during the first 3 seconds from when the unit powers up. Then (within 10 seconds) enter any number 000 to 255 as its facility code, followed by “#”.

Operation

The red LED on the front of the **HID-2** will light steady to show the keypad is powered up, and blink with each key stroke. A beep tone will also acknowledge each time a key is pressed. To gain access, enter the keyless entry code, followed by the “#” key.

Important: 26-bit Wiegand data limits the entry code range from 00001 to 65534.

Warning: Do not program the Viking **ES-1**, **C-4000**, **AES-2000** or any other entry system to accept code number 65535. The **HID-2** keypad outputs 65535 as an error code. An error code is given if one of these three sequences happen:

1. Pressing the “#” key with no preceding digits.
2. Pressing any number of only zeros prior to pressing the “#” key.
3. Pressing 65535 or any number above 65535.

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 weekdays between 8 a.m. and 5 p.m. 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.

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Product Support Line...715.386.8666

Fax Back Line...715.386.4345

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