Economical and Vandal Resistant Hot-Line Phones

The K-1900 Series of Hot-Line phones are programmable to dial a 1-32 digit telephone number each time the phone’s handset is lifted. The products may be programmed to Touch Tone or pulse dial and will not dial on incoming calls.

The K-1900 Series phones are available in a desk or wall chassis configuration. A network insert dialer is also available, to convert standard phones into hot-line phones.

Applications

- Catalog sales
- Information kiosks in malls
- Courtesy and customer service phones
- Automated tellers
- Hot-line reservation phones
- Replace leased Ringdown circuits
- Security and emergency phones

Specifications

Power: Telephone line powered (20V DC/18mA minimum)

Environmental: 0°C to 32°C (32°F to 90°F) with 5% to 95% non-condensing humidity

Dimensions: (see page 2)

Dialing Speed: Normal - 120ms tones/10 pps, Fast - 50ms tones/20 pps

www.vikingelectronics.com
Information: (715) 386-8861
Specifications and Installation

Viking offers two variations of hot-line phones and one network dialer. Below are model numbers and descriptions of the Hot Line phones Viking offers. Each model is designed for specific applications, including varying mounting capabilities and levels of vandal protection. The following sections describe the product model numbers, their applications, installation and specifications.

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Important: Use a minimum wire gauge of 26 when connecting the K-1900 phone to the public switched network.

K-1900D-2 Hot Line Desk Phone

To install the K-1900D-2 insert the RJ11 plug into a standard RJ11 jack as shown to the right.

Dimensions: 230mm x 210mm x 120mm (9.0” x 8.25” x 4.75”)
Shipping Weight: 1.36 Kg (3 lbs)
Connections: RJ11
Colors: Red or Ash

K-1900W-2 Hot Line Wall Phone

To install the K-1900W-2 line up the pins of the RJ11W jack with the slots on the back of the phone, insert and press down as shown to the right.

Dimensions: 102mm x 121mm x 229mm (4.0” x 4.75” x 9.0”)
Shipping Weight: 1.36 Kg (3 lbs)
Connections: RJ11W
Colors: Red or Ash

The K-1900W-2 can be used with any carbon microphone handset and a SPDT (Single Pole Double Throw) hook switch or typical 500, 554, 2500 and 2554 phones. Attach wires as shown to the right. An electronic ringer may be used if inbound call capability is required.

Required Handset Type: Carbon or Carbon Compatible Electric microphone
Required Hookswitch: Single pole double throw
Dimensions: 88.9mm x 68.6mm x 33mm (3.5” x 2.7” x 1.3”)
Shipping Weight: 0.45 Kg (1.0 lb)
Connections: Miniature spade receptacles
Compatible Phones: 500, 554, 2500 and 2554

K-1900-6 Hot Line Desk Phone

The K-1900-6 Hot-Line Dialer Network can be used with any carbon microphone handset and a SPDT (Single Pole Double Throw) hook switch or typical 500, 554, 2500 and 2554 phones. Attach wires as shown to the right. An electronic ringer may be used if inbound call capability is required.

Required Handset Type: Carbon or Carbon Compatible Electric microphone
Required Hookswitch: Single pole double throw
Dimensions: 88.9mm x 68.6mm x 33mm (3.5” x 2.7” x 1.3”)
Shipping Weight: 0.45 Kg (1.0 lb)
Connections: Miniature spade receptacles
Compatible Phones: 500, 554, 2500 and 2554

Programing

While in the programming mode, two beeps indicate a valid programming entry. An invalid entry will be indicated with three beeps. To exit programming, simply hang-up the K-1900 Series phone.

A. Accessing the Programming Mode

1. Using the Security Code

   Step 1. Connect the K-1900 Series device to an analog C.O. line, or an analog PABX/KSU station.
   Step 2. From a touch tone phone, call into the K-1900 Series Phone.
   Step 3. Listen for at least one ringback in the calling phone and then take the K-1900 phone off-hook (answer the phone).
   Step 4. From the Touch Tone phone, enter your six digit security code (factory set to 845464 - see section E).
   Step 5. A double beep indicates the K-1900 Series phone is in the programming mode (see sections B-G). If six digits are entered and no beeps are heard, an incorrect security code has been entered. Repeat steps 2-5 or follow directions in 2. Without a Security Code below.
2. Without a Security Code (If You Have Forgotten or Lost the Security Code)

Step 1. Remove JP1 (as shown to the right). For the K-1900W-2 and K-1900D-2, the plastic cover must be removed to expose the circuit board.

Step 2. Connect the K-1900 Series device to a C.O. line, analog PABX/KSU station or to a DLE-200B Line Simulator.

Step 3. From a Touch Tone phone, call into the K-1900 Series phone.

Step 4. Listen for at least one ringback in the calling phone and then take the K-1900 Series phone off-hook (answer the phone).

Step 5. A double beep indicates the K-1900 Series phone is in the programming mode (see sections B-G).

Step 6. When programming is finished, replace JP1 and replace cover on phone.

B. Quick Programming Features

<table>
<thead>
<tr>
<th>Enter Digits + Location</th>
<th>Security Code, factory set to 845464 (see section E)</th>
<th>Phone Number + #0</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6</strong> digits + #9</td>
<td>To add a * anywhere in the dialing string</td>
<td></td>
</tr>
<tr>
<td><strong>##</strong></td>
<td>To add a # anywhere in the dialing string</td>
<td></td>
</tr>
<tr>
<td><strong>1</strong></td>
<td>To set dialing speed to normal - 120ms tones/10pps (factory setting)</td>
<td></td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>To set dialing speed to fast - 50ms tones/20pps</td>
<td></td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>To restrict Touch Tone user dialing (factory setting)</td>
<td></td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>To enable Touch Tone user dialing</td>
<td></td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>Toggles between pulse and Touch Tone dialing</td>
<td></td>
</tr>
<tr>
<td><strong>7</strong></td>
<td>To add a 4 second pause anywhere in the dialing string</td>
<td></td>
</tr>
<tr>
<td><strong>8</strong></td>
<td>To add a 1 second pause anywhere in the dialing</td>
<td></td>
</tr>
<tr>
<td><strong>###</strong></td>
<td>To clear all programming and change back to factory settings</td>
<td></td>
</tr>
</tbody>
</table>

C. Programming Examples

**To Program the K-1900 Series Phone to.....**

<table>
<thead>
<tr>
<th>Step 1 - See Section A</th>
<th>Step 2 - Enter Digits</th>
</tr>
</thead>
<tbody>
<tr>
<td>...to Touch Tone dial 555-1234</td>
<td>Enter Programming</td>
</tr>
<tr>
<td>...to pulse dial 555-1234 followed by a Touch Tone 9</td>
<td>Enter Programming</td>
</tr>
<tr>
<td>...to dial a 9, a 4 second pause and then 555-1234</td>
<td>Enter Programming</td>
</tr>
<tr>
<td>...to set the dialing speed to fast</td>
<td>Enter Programming</td>
</tr>
<tr>
<td>...to enable unlimited user dialing after the phone has speed dialed</td>
<td>Enter Programming</td>
</tr>
<tr>
<td>...to clear the speed dial number or disable speed dialing</td>
<td>Enter Programming</td>
</tr>
</tbody>
</table>

D. Touch Tone and Pulse Dial Speeds

The K-1900 Series phone can be programmed to dial at normal or fast dialing speeds. While in the programming mode, enter **1** for normal dialing speed - 120ms on/off Touch Tones or 10 pps pulse dialing. Enter **2** for fast dialing speed - 50ms on/off Touch Tones or 20 pps pulse dialing.

E. Security Code

A six digit security code is required to access the programming mode. The factory set security code is 845464 (V-I-K-I-N-G). It is recommended that you change the security code to a personal 6 digit (0-9) number in memory position **9** while in the programming mode. **Note:** The security code must be six digits in length and cannot contain a * or #.

F. Touch Tone or Pulse Dialing

The K-1900 Series phones are factory set to automatically dial using Touch Tones. A **6** entered in the speed dial number will toggle the dialing mode between Touch Tone and pulse (see section C). **Note:** You can NOT program a * or # to be pulse dialed.

G. Touch Tone User Dialing Restriction (factory enabled)

The K-1900 Series phones are factory set to restrict fraudulent calls from hand held pocket dialers. After speed dialing, the K-1900 Series phones will restrict (hang up) when they detect any Touch Tone that they did not generate. To restrict user dialing, enter **3** while in the programming mode. To enable user dialing, enter **4** while in the programming mode.

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**Adding an Internal Ringer**

An optional Q170600 internal ringer is available. For more information, see DOD# 834.
RETURNING PRODUCT FOR REPAIR
The following procedure is for equipment that needs repair:

1. The customer must contact Viking's Technical Support Department 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 Viking product 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.

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

1. The customer must contact Viking's Technical Support Department 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 Viking product 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.

Two Year 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 two years from the date of purchase from any authorized Viking distributor. 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. This warranty does not cover non-EWP products that have been exposed to wet or corrosive environments. This warranty does not cover stainless steel surfaces that have not been properly maintained.

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.

FCC Requirements
This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the side of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this must be provided to the telephone company.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of the REN’s should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total REN, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g. 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

The plug used to connect this equipment to the premises wiring and telephone network must comply with FCC Part 68 rules and requirements adopted by the ACTA. If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this SLP-4 does not disable your alarm equipment. If you have questions about what disable alarm equipment, consult your telephone company or a qualified installer.

If the SLP-4 causes harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connections to Party Line Service is subject to State Tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

When Programming Emergency Numbers and (Or) Making Test Calls to Emergency Numbers:

Remain on the line and briefly explain to the dispatcher the reason for the call. Perform such activities in the off-peak hours, such as early morning or late evenings.

It is recommended that the customer install an AC surge arrester in the AC outlet to which this device is connected. This is to avoid damaging the equipment caused by local lightning strikes and other electrical surges.

Part 15 Limitations
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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.