

# TECHNICAL Practice

TELECOM SOLUTIONS FOR THE 21ST CENTURY

**LM-1A**

**Message Waiting LED Lamp Retrofit Kit**

October 14, 2008

## Provide Visual Lamp Indication of Message Waiting and Ringing



The message waiting lamp retrofit kit is compatible with any telephone system with standard DC message waiting voltages ranging from 90VDC to 120 VDC.

The **LM-1A** is fully modular for quick plug-in installation by non-telephone personnel. The unit's LED will blink at a steady rate when the message waiting voltage is detected.

The **LM-1A** will also flash when the phone rings, helping to reduce noise in quiet areas by providing a convenient visual indication for ringing or message waiting. **Notes: 1. The LM-1A is not designed to recognize stutter dial tone from any analog telephone company phone line or PABX. 2. The LM-1A is not compatible with any AT&T phone system.**

### Features

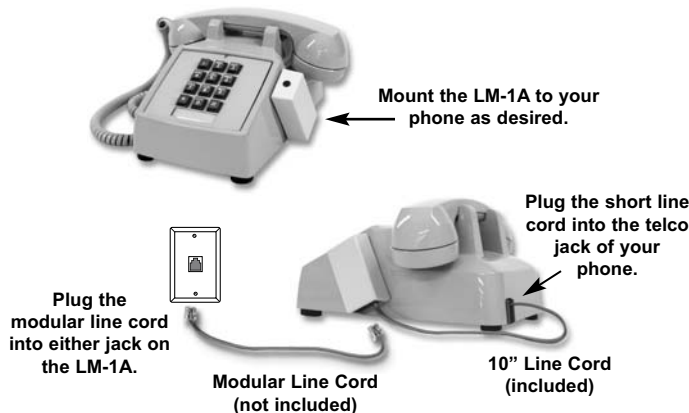
- Attractive styling
- Easy retrofit mounting
- Works with nearly all message waiting voltages
- High output LED for viewing distances of at least 75 ft

### Applications

- Message waiting indication on analog lines supplying standard message waiting voltages
- Ring indicator in offices

### Installation

<b>Step 1.</b>	Disconnect the modular line cord between the back of the phone and the wall jack.
<b>Step 2.</b>	Use the double-back tape to mount the <b>LM-1A</b> to your phone (see the diagrams below).
<b>Step 3.</b>	Plug a modular line cord (not included) from the wall jack into either jack on the <b>LM-1A</b> .
<b>Step 4.</b>	Plug the included 10" line cord into the telco jack on your phone and the other end into a telco jack on the <b>LM-1A</b> .



### Specifications

**Input:** 80V DC to 150V DC message waiting voltage, minimum 40V AC ring voltage

**Viewing Distance:** 75 ft typical

**Viewing Angle:** 110° typical

**Dimensions:** 65mm x 35mm x 20mm (2.56" x 1.38" x .79")

**Shipping Weight:** 0.45 kg (1 lbs)

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

**Cover Color:** Beige

**LED Color:** Red

**Connections:** (2) RJ11 jacks

Phone... 715.386.8861

<http://www.vikingelectronics.com>

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# Warranty

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## 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 to Friday 8am - 5pm central standard 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 P.O. 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.**

## 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 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.

Viking's sole responsibility shall be to repair or replace (at Viking's option) the material within the terms stated above. VIKING SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND INCLUDING INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING DIRECTLY OR INDIRECTLY FROM ANY BREACH OF ANY WARRANTY EXPRESSED OR IMPLIED, OR FOR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

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