VIKING

Analog and VoIP Solutions

Security and Communication Solutions
2016

Call: 715-386-8861
Email: info@vikingelectronics.com
Visit: www.vikingelectronics.com

All Viking Products are DESIGNED, MANUFACTURED, and SUPPORTED in the USA!

Product Index - Alphabetical by Viking Model Number

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We know you buy Viking products because they do the job and because we support you with the best-in-industry U.S. based technical support. We also give you another reason to choose Viking products – a Two Year Limited Warranty. We don't skimp on coverage, it's just like our standard one year warranty, only twice as long at no cost to you.

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For a copy of the Viking Two Year Limited Warranty, go to www.vikingelectronics.com and enter 101 in the Document On Demand (DOD) box at the top of the page.

What is "Document On Demand"?

Viking's online "Document On Demand" (DOD) makes it quick and easy for you to get the information you need. Simply enter a DOD number in the box at the top of Viking's homepage for a direct link to a PDF. All Viking catalogs and literature have DOD numbers for each product. We also assign DOD numbers for important information such as Application Notes, Warranty, etc.

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Product Categories

How to Contact Us:

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ASK VIKING FIRST!
If we don't make what you need we'll refer you to someone who does.

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Document **O**n **D**emand (**DOD**): Enter this number at vikingelectronics.com for more product info.

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ADA Compliant Analog and VoIP Emergency and Elevator Phones

• **Superior Automatic Noise Cancelling Design for Loud Environments**
• **Complies with ASME A17.1 Elevator Code when used with LV-1K (page 10)**
• **Phone Numbers and I.D. Announcement Stored in Non-Volatile Memory - No Battery Back-Up Required**
• **Automatically Dials 4 Additional Numbers (1 to 20 Digits) on Busy or No Answer**

ADA Compliant with
Braille Label and
"Call Connected" LED

E-1600-22-**IP**

E-1600A-TP-EWP
E-1600-TP-**IP**-EWP
E-1600A-TP2-EWP
E-1600-TP2-**IP**-EWP

E-1600-02A
E-1600-02-**IP**

E-1600-03B
E-1600-03-**IP**

E-1600-32-**IP**

E-1600A
E-1600-**IP**

E-1600-45A
E-1600-45-**IP**

E-1600-65A
E-1600-65-**IP**

E-1600-53-**IP**

E-1600-60A
E-1600-60-**IP**

E-1600-30A
E-1600-30-**IP**

E-1600-55A
E-1600-55-**IP**

E-1600-20A
E-1600-20-**IP**
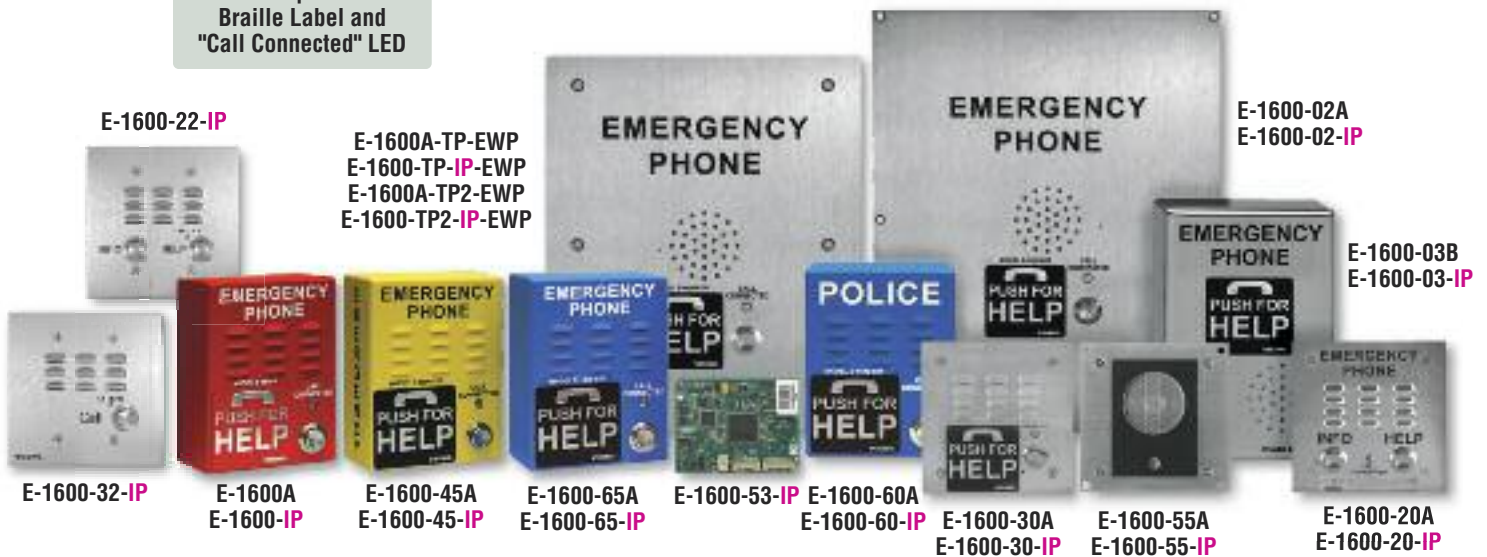
Analog: 1600A Series

• **Analog PABX, CO Line or FXS Port powered**
• **2 Wire Installation**
• **Compatible with Central Station Monitoring (CSM)**
• **16 second I.D. Announcement**
• **Temperature range -15˚ to 130˚F**

The **1600A Series** Emergency Phones are designed to provide quick and reliable access to emergency personnel via two-way, handsfree voice communication over a telephone network. The **1600A Series** have braille labels and meet ADA requirements for elevator telephones. Compatible with analog PABX, CO line, FXS port and ringdown circuits.

The **1600A Series** can be programmed on-site or remotely from a touch tone phone. All parameters, phone numbers, location numbers, and voice announcement are stored in non-volatile E^2 memory, batteries are not required for memory retention.

When the "Push for Help" button is pressed, the **1600A Series** phone goes off-hook, and the built-in touch tone dialer calls the pre-programmed 1 to 20 digit number. The "Call Connected" LED flashes during dialing. In the event that the line is busy or there is no answer, the unit can automatically dial up to 4 more numbers. When the call is answered, the **1600A Series** phone lights the "Call Connected" LED steady and sends a field-programmed 1 to 20 digit touch tone number or 16 second voice announcement indicating the location of the emergency phone.

Use the **PB-100** (see page 39) to remotely program and poll emergency phones as to their working status.

VoIP: 1600-IP Series

• **Built-In 2 Amp Relay for Controlling Lights, Strobes, Door Strikes, Gate Openers, Door Chimes, etc.**
• **Power over Ethernet (PoE) Class 1, <4 Watts**
• **VoIP SIP based Protocol**
• **28 Second I.D. Announcement**
• **Temperature range -30˚ to 130˚F**

The **1600-IP Series** Emergency Phones are ADA compliant and have all the features required in an emergency or door access phone. Plus, they're among the most affordable installer-friendly products on the market. The **1600-IP Series** phones work with most SIP based **VoIP** phone systems, see our compatibility list – **DOD# 944**.

Run CAT 5e Ethernet cable to one location and connect to the phone. Power the **1600-IP Series** phone using the **VoIP** phone system's Power over Ethernet (PoE), or add an inexpensive PoE injector. Then program all the units with **Viking's** PC-based software.

To convert your existing **Viking** analog phones to **VoIP**, use **Viking's E-1600-53-IP** conversion kit (see page 8).

Programming is just as easy. The software immediately identifies each connected phone. Just assign a unique name and propagate the settings out to each phone with a push of a button – no need to continually re-enter the common parameters for every phone in the system. That's a huge time-saver over programming methods used by other **IP** phone manufacturers. And, since **Viking's** software maintains a complete phone database, you can reprogram a replacement device the same way. Just click on the phone's name and press send. You never have to manually re-enter the information.

Installation requires the assistance of a network administrator/I.T. technician

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Analog: E-1600A　　　See Page 6
VoIP: E-1600-IP
HxWxD: 5.25" x 4.0" x 2.0"
Mounting: Surface mount
Description: 16 gauge steel with textured red powder paint

Analog: E-1600-45A　　　See Page 6
VoIP: E-1600-45-IP
HxWxD: 5.25" x 4.0" x 2.0"
Mounting: Surface mount
Description: 16 gauge steel with textured yellow powder paint

Analog: E-1600-60A　　　See Page 6
VoIP: E-1600-60-IP
HxWxD: 5.25" x 4.0" x 2.0"
Mounting: Surface mount
Description: 16 gauge steel with textured blue powder paint and "POLICE" verbiage

Analog: E-1600-65A　　　See Page 6
VoIP: E-1600-65-IP
HxWxD: 5.25" x 4.0" x 2.0"
Mounting: Surface mount
Description: 16 gauge steel with textured blue powder paint

Analog: E-1600-55A　　　See Page 7
VoIP: E-1600-55-IP
HxWxD: 5.0" x 5.0" x 2.0"
Description: Universal emergency phone kit to install behind elevator panels or when a custom panel is used

VoIP: E-1600-53-IP　　　See Page 8
Description: 1600-IP board
PCB only kit. Can be used to convert any analog **Viking 1600A Series** phone to a **VoIP** version

Analog: E-1600-20A　　　See Page 7
VoIP: E-1600-20-IP
HxWxD: 5.0" x 5.0" x 2.25"
Mounting: Flush mount with included rough-in box (will not fit in a double gang box), or surface mount with a **VE-5x5**
Description: Two button, 14 gauge marine grade 316 stainless steel with #4 brushed finish, T-10 Torx Security Screws

VoIP: E-1600-22-IP　　　See Page 8
HxWxD: 5.0" x 5.0" x 2.25"
Mounting: Flush mount in a standard double gang electrical box or surface mount with a **VE-5x5**
Description: Two button, 14 gauge marine grade 316 stainless steel with #4 brushed finish, T-10 Torx Security Screws

Analog: E-1600-30A　　　See Page 9
VoIP: E-1600-30-IP
HxWxD: 5.0" x 5.0" x 2.25"
Mounting: Flush mount with included rough-in box (will not fit in a double gang box). or surface mount with a **VE-5x5**
Description: 14 gauge marine grade 316 stainless steel with #4 brushed finish, T-10 Torx Security Screws

VoIP: E-1600-32-IP　　　See Page 8
HxWxD: 5.0" x 5.0" x 2.25"
Mounting: Flush mount in a standard double gang electrical box or surface mount with a **VE-5x5**
Description: 14 gauge marine grade 316 stainless steel with #4 brushed finish, T-10 Torx Security Screws

Analog: E-1600-50A　　　See Page 8
VoIP: E-1600-50-IP
Description: Single button parts kit without chassis

Analog: E-1600-52A　　　See Page 8
VoIP: E-1600-52-IP
Description: Two button parts kit without chassis

Analog: K-1600-EHFA　　　See Page 8
HxWxD: 9.875" x 6.86" x 2.1"
Mounting: Recess mount in a standard elevator phone box measuring: 10.0" x 7.0" x 3.0"
Description: 14 gauge aluminum with red powder paint.

Analog: E-1600-02A
VoIP: E-1600-02-IP
HxWxD: 13.0" x 10.5" x 2.0"
Mounting: Flush mount
Description: 12 gauge marine grade 316 stainless steel with #4 brushed finish
See Page 7

Analog: E-1600A-TP-EWP
VoIP: E-1600-TP-IPEWP
HxWxD: 11.75" x 9.5" x 2.0"
Mounting: Flush mount
Description: Direct physical replacement for Talk-A-Phone model ETP-400V
See Page 7

Analog: E-1600A-TP2-EWP
VoIP: E-1600-TP2IPEWP
HxWxD: 11.75" x 9.5" x 2.0"
Mounting: Flush mount
Description: Direct physical replacement for Talk-A-Phone model ETP-400DV
See Page 7

Analog: E-1600A-GT-EWP
VoIP: E-1600-GT-IPEWP
HxWxD: 12.0" x 10.0" x 2.0"
Mounting: Flush mount
Description: Direct physical replacement for GAI-TRONICS Red Alerts 397-700 or 397-701
See Page 7

Analog: E-1600-03B
VoIP: E-1600-03-IP
HxWxD: 7.22" x 5.36" x 1.55"
Mounting: Surface mount
Description: 14 gauge marine grade 316 stainless steel with #4 brushed finish
See Page 6

Emergency Phones

ADA Compliant with Braille Label and "Call Connected" LED

- **For Features and Operation refer to 1600A or 1600-IP Series on page 4**
- Material: 0.062" 16 gauge steel, powder painted
- Mounting: Surface mount to walls, posts, single gang boxes or recess mount in elevator phone boxes
- Dimensions: 5.25" x 4.0" x 2.0"

E-1600A
E-1600-**IP**

E-1600-45A
E-1600-45-**IP**

E-1600-60A
E-1600-60-**IP**

E-1600-65A
E-1600-65-**IP**

Analog Model	DOD #	EWP
E-1600A	215	
E-1600-45A	215	Available
E-1600-60A	215	
E-1600-65A	215	

VoIP Model	DOD #	EWP
E-1600-IP	255	
E-1600-45-IP	255	Available
E-1600-60-IP	255	
E-1600-65-IP	255	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

42" Tower Phone with LED Strobe and Steady-on Beacon

**ADA Compliant with Braille Label and "Call Connected" LED
High Intensity Flashing LED Strobe with Steady-on-Beacon**

- **For Features and Operation refer to 1600A or 1600-IP Series on page 4**
- 4 programmable flash patterns
- 6 programmable brightness settings
- Maximum strobe power run on Cat-5 using 3 pair = 325 ft.
- Surface mount to rigid wall or post
- Connections: Color-coded wires with gel-filled butt connectors
- **Enhanced Weather Protection (EWP) comes standard – see page 31**

- Enclosure: 0.125" thick aluminum, 3.0" x 6.0" (76.2 mm x 152.4 mm) tube, powder painted high-visible yellow
- Phone: 0.074" thick 14 gauge 316 marine grade stainless steel faceplate with stainless steel button
- Strobe: Vandal resistant polycarbonate plastic
- Power supply included for strobe
- Two-button versions available with "Info" and "Help" buttons – Models: **E-1600A-BLT2EWP, E-1600A-AST2EWP, E-1600BLT2IPEWP** and **E-1600AST2IPEWP**

Analog Model	DOD #	EWP
E-1600A-BLT-EWP	217	
E-1600A-BLT2EWP	217	Standard
E-1600A-AST-EWP	217	
E-1600A-AST2EWP	217	

VoIP Model	DOD #	EWP
E-1600-BLTIPEWP	249	
E-1600BLT2IPEWP	249	Standard
E-1600-ASTIPEWP	249	
E-1600AST2IPEWP	249	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Vandal Resistant Handsfree Emergency Phone

ADA Compliant with Braille Label and "Call Connected" LED

- **For Features and Operation refer to 1600A or 1600-IP Series on page 4**
- Material: 0.074" 14 gauge brushed 316 marine grade stainless steel
- Surface mount to walls, posts, single gang boxes or recess mount in elevator phone boxes
- Dimensions: 7.22" x 5.36" x 1.55"

Analog Model	DOD #	EWP
E-1600-03B	215	Available

VoIP Model	DOD #	EWP
E-1600-03-IP	255	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

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Vandal Resistant Handsfree Emergency Phone

ADA Compliant with Braille Label and "Call Connected" LED
- **For Features and Operation refer to 1600A or 1600-IP Series on page 4**
- Material: .105" 12 gauge brushed 316 marine grade stainless steel
- Dimensions: 13.0" x 10.5" x 2"
- Mounting: Flush mount in elevator cabs, stairwells, hallways, etc.

Analog Model	DOD #	EWP	VoIP Model	DOD #	EWP
E-1600-02A	215	Available	E-1600-02-IP	255	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Two Button 5" x 5" ADA Stainless Steel Emergency Phone

- **For Features and Operation refer to 1600A or 1600-IP Series on page 4**
- Material: 14 gauge brushed marine grade 316 stainless steel
- Mounting: Flush mount with included plastic rough-in-box, surface mount with optional **VE-5x5** enclosure (Page 33)
- Two wire installation – analog PABX, CO line or FXS port powered (analog only)
- Dimensions: 5.0" x 5.0" x 2.25"
- Second button dials up to 3 (analog) or 5 (IP) additional numbers for general info or directions

Analog Model	DOD #	EWP	VoIP Model	DOD #	EWP
E-1600-20A	215	Available	E-1600-20-IP	255	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Replacement Phone for Code Blue, GAI-Tronics and Talk-A-Phone Applications

ADA Compliant with Braille Label and "Call Connected" LED
- **For Features and Operation refer to 1600A or 1600-IP Series on page 4**
- Direct replacement for select GAI-Tronics and Talk-A-Phone panel phones
- Replacing Code Blue tower phones requires redrilling and tapping
- Material: 12 gauge brushed marine grade 316 stainless steel
- Mounting: Flush mount to Code Blue, GAI-Tronics and Talk-A-Phone towers, wall mounts, boxes and pedestals
- Analog PABX, CO line or FXS port powered emergency phone (**BLK-4** control module requires power)
- **Enhanced Weather Protection (EWP)** standard **– See page 31**
- Two button version dials up to 3 (analog) or 5 (IP) additional numbers for general info or directions

Analog Model	DOD #	EWP	VoIP Model	DOD #	EWP
E-1600A-TP-EWP	218		E-1600-TP-IPEWP	255	
E-1600A-TP2-EWP	218	Standard	E-1600-TP2IPEWP	255	Standard
E-1600A-GT-EWP	218		E-1600-GT-IPEWP	255	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Universal Emergency Phone Kit

ADA Compliant, Ideal for Custom Elevator Panels
- **For Features and Operation refer to 1600A or 1600-IP Series on page 4**
- Material: 0.062" 16 gauge zinc plated steel
- Analog PABX, CO line or FXS port powered (analog only)
- Dimensions: 5.0" x 5.0" x 2.25"
- Mounting: Install behind elevator panels for applications requiring a custom panel

Analog Model	DOD #	EWP	VoIP Model	DOD #	EWP
E-1600-55A	215	Available	E-1600-55-IP	255	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Double Gang **VoIP** Emergency Phones

- **For Features and Operation refer to 1600-IP Series on page 4**
- Mounting: Flush mount in a standard double gang electrical box
- Surface mount with optional **VE-5x5** enclosure surface mount box (page 33)
- Material: 14 gauge brushed marine grade 316 stainless steel
- Ideal for Area of Refuge applications when mounted in a fire rated double gang electrical box
- Dimensions: 5.0" x 5.0" x 2.25"
- Model **E-1600-22-IP** is a two button version that dials up to 5 additional numbers for general info or directions

VoIP Model	DOD #	EWP
E-1600-22-**IP**	255	Available
E-1600-32-**IP**	255	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

E-1600-22-IP   **E-1600-32-IP**

Non-Chassis Emergency Phones

ADA Compliant, Comes with Braille Label and LED

- **For Features and Operation refer to 1600A or 1600-IP Series on page 4**
- These are parts kits without a chassis
- Models **E-1600-52A** and **E-1600-52-IP** have 2 push buttons, one "Info" and one "Help"
- Ideal for applications that don't require traditional housing

- Kit includes: printed circuit board, speaker, microphone, switch(es)
- Analog products are PABX, CO line or FXS port powered
- **VoIP** models are PoE powered
- Connections: gel-filled butt connectors

E-1600-50A-EWP version shown

Analog Model	DOD #	EWP
E-1600-50A	215	Available
E-1600-52A	215	

VoIP Model	DOD #	EWP
E-1600-50-**IP**	255	Available
E-1600-52-**IP**	255	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Analog to **VoIP** Conversion Kit

For Features and Operation refer to 1600-IP Series on page 4
To convert your **Viking** analog phones to **VoIP**, use an **E-1600-53-IP** conversion kit. Run Ethernet cable to the site, open the phone and remove the old analog board. Mount the new **VoIP** circuit board in the same location (it's an exact fit) and reassemble. The kit saves by re-using the housing, faceplate, mic, speaker, switch, and LED. The conversion takes less than 15 minutes (slightly longer for **EWP** models) and requires no field modifications. Save the analog board to service other analog phones or drop it into your electronics recycling bin.

VoIP Model	DOD #	EWP
E-1600-53-**IP**	255	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Handsfree Emergency Phone for Elevator Phone Box

ADA Compliant with Braille Label and "Call Connected" LED

- **For Features and Operation refer to 1600A Series on page 4**
- Material: 14 gauge red powder painted aluminum
- Two-wire installation - analog PABX, CO line or FXS port powered

- Dimensions: 9.875" x 6.86" x 2.1"
- Mounting: Recess mounting in standard elevator phone box (10" x 7" x 3")

Model	DOD #
K-1600-EHFA	215

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Vandal Resistant Speaker Phone with Dialer

- **Superior automatic noise cancelling design for loud environments**
- **Analog PABX, CO line or FXS port powered (analog only)**
- **VoIP models use Power over Ethernet (PoE) - for VoIP features and operation refer to page 42**
- **Marine Grade 316 stainless steel faceplate with metal call button**

When the call button is pressed, the **E-30** automatically dials a pre-programmed 1-20 digit number. The phone will dial up to 4 additional numbers if a busy signal or no-answer is detected. The phone numbers are programmed from any touch tone phone and stored in non-volatile memory. The **E-30** can be set to auto-answer and disconnects on silence, busy, dial tone, CPC or time out. The unit is designed for non-ADA emergency, door and gate entry applications. Temperature range: -15° F to 130° F. Dimensions: 5" x 5" x 2.25".

Shown in optional **VE-5x5** surface mount box (Page 33)

Analog Model	DOD #	EWP
E-30	212	Available

VoIP Model	DOD #	EWP
E-30-IP	248	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

"Push to Talk" Speaker Phone

The **E-30-PT** has the same temperature and dialer specifications as the **E-30** (above). The unit is designed to be used in place of the **E-10A** and **E-20B** handsfree phones in noisy applications. Marine grade 316 stainless steel panel.

Model	DOD #	EWP
E-30-PT	214	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Video Speaker Phone with Dialer

The **E-35** has the same audio, temperature and dialer specifications as the **E-30** (above). The **E-35** also includes a high resolution color CCTV camera – refer to page 30 for camera specifications. The camera operates up to 150 feet on Cat-5e cable. Marine grade 316 stainless steel panel. Camera power supply included.

Analog Model	DOD #	EWP
E-35	178	Available

VoIP Model	DOD #	EWP
E-35-IP	251	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

ADA Compliant Stainless Steel Emergency Phone

- **For Features and Operation refer to 1600A or 1600-IP Series on page 4**
- Material: 14 gauge brushed marine grade 316 stainless steel
- Mounting: Flush mount with included plastic rough-in-box or surface mount with optional **VE-5x5** enclosure (Page 33)
- Two wire installation – analog PABX, CO line or FXS port powered (analog only)
- Dimensions: 5.0" x 5.0" x 2.25"

Analog Model	DOD #	EWP
E-1600-30A	215	Available

VoIP Model	DOD #	EWP
E-1600-30-IP	255	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Line Concentrator

Up to 6 Emergency Phones Can Share One Line

• **Meets the ASME A17.1 Requirements**   • **Communicate with local and/or remote authorized personnel**

The **LC-6** eliminates the monthly charges for a dedicated line to each elevator. Up to six emergency phones can communicate with authorized personnel on 3 other phones within a building, or add a telephone line to allow communication outside the building. A call initiated by an emergency phone can dial internally, externally, or both. Any other phones that are activated will be conferenced into the conversation, thus fulfilling ASME A17.1 requirements. Fire officials can call each cab, place an "all call" to all cabs, or break into in-progress "911" calls. Use with model **LV-1K** to verify the operability of the telephone line on a daily basis. Power supply included.

Model	DOD #
LC-6	245

Analog Line Sharing for IP PBX's / VoIP Phone Systems

The **LS-911** offers a cost-effective, reliable method of handling 911 emergency calls for IP PBX's and networked phone systems. Connected to an FXO port, it lets you enjoy the advantages of conventional analog 911 service, including traceability and 911 callback, without having to dedicate an analog line exclusively for this purpose.
911 calls routed to the **LS-911** receive priority, taking the analog line from the fax, card reader etc. if it is in use. A special recall feature maintains the availability of the line in the event the emergency call is disconnected, so 911 personnel can call back to reestablish the connection. Power supply included.

Model	DOD #
LS-911	238

Smart Line Sharing Device With Inbound Switching Capability

• Routes both incoming and outgoing calls
• Allows an Emergency device to share a phone line with other devices (fax machines, phones, modems)
• Gives priority to the Emergency devices

• Incoming calls routed to one of two ports by Caller ID, Distinctive Ring or Call Back
• Status LED displays mode of operation
• Can store up to 12 Caller ID numbers
• Provides a busy signal to the phone port when an Emergency device is in use
• Power supply included.

Model	DOD #
LSD-2	262

Line Seizure Relay

Emergency Device Can Share a Line with a Phone System

Viking's Emergency Line Seizure Relay allows the Elevator/Emergency phone or alarm dialer to share an existing C.O. line. When the emergency phone or alarm dialer initiates a call, the line is taken away from its normal use and receives new dial tone for the emergency call. Any call in process is disconnected. The **LSR-1** always connects to the emergency device during power failure. Power supply included.

Model	DOD #
LSR-1	230

Line Verification Panel with Key Switch

• **Meets the ASME A17.1 Requirements**   • **Immediate Alarm on loss of line**   • **Compatible with all Analog Elevator Phones**

Use with any existing single line **Viking 1600A** Series emergency phone. With the **LV-1K** installed, the **1600A** Series phone will check the telephone line on a daily basis. The **LV-1K** will sound an audible signal every 30 seconds and flash a red light when a telephone line fault is detected. Authorized personnel can silence the audible signal with the included key switch. The LED light will remain flashing until the fault is corrected. Use in conjunction with the **Viking** model **LC-6** to show line verification for up to six **1600A** Series emergency phones. Mounts in a standard double gang electrical box.

Model	DOD #
LV-1K	246

Silent Panic Button Kit for use with Viking Emergency Phones

The **PB-1** Panic Button is designed to be used in conjunction with a **Viking 1600A** or **1600-IP** Series emergency phone (not included). The unit can be discreetly mounted under a desk, counter, etc. When the button is pressed, the phone calls up to 5 numbers and gives a pre-recorded message while the LED lights red to indicate activation. The speaker is disabled but the called party hears everything that is happening at the installation site, making the **PB-1** a very effective security measure.

Model	DOD #
PB-1	233

Press   LED
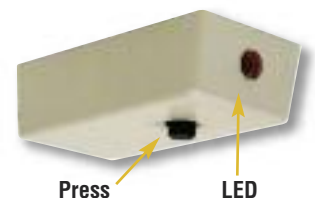
Requirements for INSIDE the Area of Refuge

Two-Way Communications
Model 1600A Series

Instructional Signage
PUSH FOR HELP
Model ARS-IB100
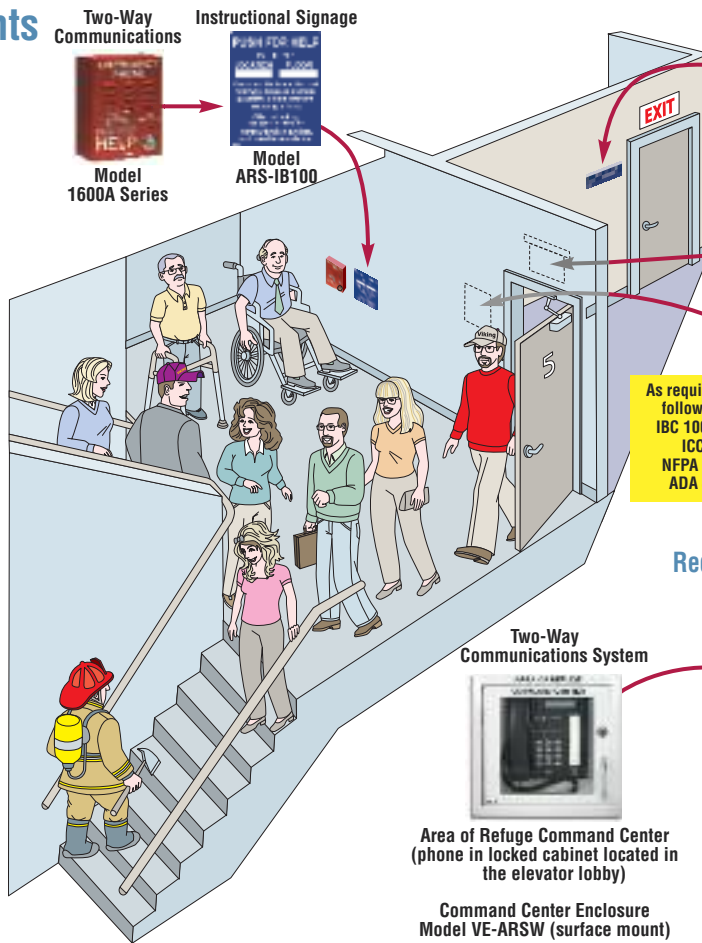
Requirements for OUTSIDE the Area of Refuge

Directional Signage
AREA OF REFUGE
Model ARS-DLB100 (Left arrow)
Model ARS-DRB100 (Right arrow)

EXIT

Illuminated Signage
AREA OF REFUGE
Model ARS-LR100

Tactile Signage
AREA OF REFUGE
Model ARS-TB100

As required by the following codes:
IBC 1007, 1011
ICC 703
NFPA 22, 101
ADA 4.3.11

Requirements for the Area of Refuge Lobby Command Center

Two-Way Communications System

Area of Refuge Command Center (phone in locked cabinet located in the elevator lobby)

Command Center Enclosure
Model VE-ARSW (surface mount)
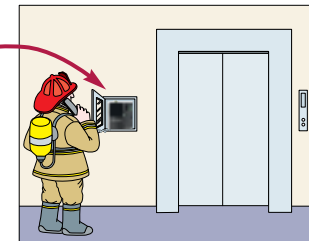
*For buildings under 60 ft. For taller buildings, the Refuge Command Center phone should be located in the Fire Command Center

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Recommendations for 6 or Less Area of Refuge Emergency Phones

High Efficency UPS
(Tripp-Life model Internet SSU or equivalent)

120V AC

6 Port Line Concentrator Model LC-6
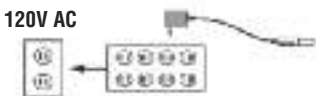
Connect up to 6 Area of Refuge emergency phones **(1600A Series)** to one command center phone and one C.O. line. UPS must have a minimum of 90 minute backup.

Recommendations for 7 - 144 Area of Refuge Emergency Phones

Use Panasonic KX-TA824 with expansion cards and in combination with multiple **Viking** Model **LC-6**. See **DOD# 235**

Model	Description	DOD#
ARS-IB100	Area of Refuge sign-Instructional Blue	235
ARS-TB100	Area of Refuge sign-Tactile Blue	235
ARS-LR100	Area of Refuge sign-Lighted Red	235
ARS-DLB100	Area of Refuge sign-Left Arrow Blue	235
ARS-DRB100	Area of Refuge sign-Right Arrow Blue	235
VE-ARSW	Viking Enclosure-ARS Surface Mount White	237

Emergency Poolside Phones

Model E-1600-30A-EWP
Marine Grade 316 Stainless Steel
ADA Compliant Phone (see page 9)

PUSH FOR HELP

For Features and Operation refer to 1600A or 1600-**IP** Series on page 4

Shown in optional **VE-5x5** surface mount box (Page 33)

Pool Phone Laws

The map shows the states in red that are required by code to have pool emergency phones. If your state is not shown in red, it does not mean you are exempt. Please check your local codes for guidance.

State by State Regulations
DOD # 870

Hot-Line Single Number Dialer Phones

Auto Dialing Emergency/Courtesy Phones
Dials a Pre-Programmed Number When the Handset is Lifted

- 1-32 digit programmable speed dial number
- Telephone line powered and touch tone programmable
- Hearing aid compatible amplified handsets with rotary handset volume control
- Touch tone and 10/20 pps pulse dialing
- Non-volatile memory (no batteries required)
- Restricts fraudulent calls from hand held dialers
- Available in red, ash or custom colors (see below)
- Operates on a C.O. line or analog PABX/KSU extensions
- Optional **Q170600 Ringer** can be added

Applications:	Courtesy and Emergency Phones	Cash Machines
	Customer Service	Taxi Service
	Airline/Hotel/Rental Car Reservations	Security
	Help Lines	POS Displays

Replace leased ringdown circuits using standard loop start C.O. lines. The Hot-Line phone automatically dials the programmed number whenever the handset is picked up. Four-second pauses can be programmed for use on Centrex or behind PABX.

Model	Description	DOD #
K-1900D-2	Red Hot-Line Desk Phone	360
K-1900W-2	Red Hot-Line Wall Phone	360
K-1900D-2 ASH	Ash Hot-Line Desk Phone	360
K-1900W-2 ASH	Ash Hot-Line Wall Phone	360
Q170600 RINGER	Electronic Ringer	834

K-1900W-2 **K-1900D-2**

Free Programming (100 Unit Minimum)

Viking will pre-program hot line phones or dialers with any number up to 32 digits or pauses, at no charge (minimum quantity 100). To take advantage of this free service, contact us at 715-386-8861. The following models are covered by this program:

K-1900-5	K-1900W-2 (Red)
K-1900W-2 ASH	K-1900D-2 (Red)
K-1900D-2 ASH	K-1900-7

Hot-Line Phones in Custom Colors
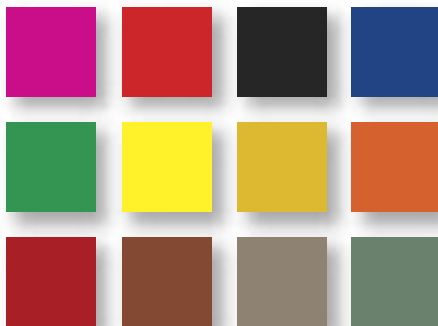
ANY Pantone color available!
MINIMUM QUANTITY NOW REDUCED TO ONLY 144 UNITS!
CALL SALES AT (715) 386-8861 FOR DETAILS.

Dialer Network

This electronic network, used in **Viking's** Hot-Line Phones, can be used to convert any standard carbon mic handset phone into a single number hot-line phone.

Model	Description	DOD #
K-1900-6	Hot Line Network Board	360

Manual (No Dial) Phones with Ringers

Ringdown, Courtesy or Emergency Phone Applications

These manual phones are compatible with ringdown circuits such as model **DLE-200B** (page 26), dialers such as **Viking's K-1900-5** and **K-1900-30** (page 14) as well as an analog PABX, CO line or FXS port configured as a ringdown circuit.

Model	Description	DOD #
K-1500P-W	Red Manual Wall Phone	355
K-1500P-D	Red Manual Desk Phone	355
K-1500P-W ASH	Ash Manual Wall Phone	355
K-1500P-D ASH	Ash Manual Desk Phone	355

K-1500P-W **K-1500P-D**

Analog (No Dial) Panel Phones

- **K-1500-6A**: 0.074" thick 304 stainless steel panel
- **K-1500-7**: 0.105" thick 316 marine grade stainless steel panel
- Connect to a ringdown circuit or a **Viking K-1900-5** dialer
- Armored cable and heavy-duty hookswitch
- Mounts on a standard double-gang electrical box
- Hearing aid compatible handset with volume control
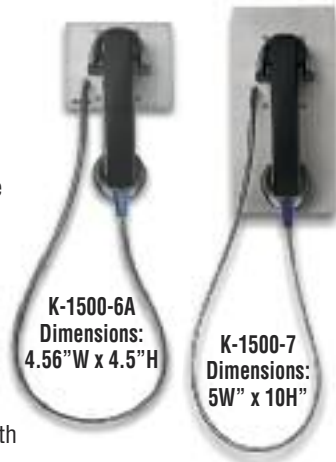
K-1500-6A Dimensions: 4.56"W x 4.5"H

K-1500-7 Dimensions: 5W" x 10H"

Analog Model	DOD #
K-1500-6A	352
K-1500-7	352

- Optional **VE-5x10** (page 33) surface mount box available for model **K-1500-7**

Analog Panel Phone

- Touch tone or pulse auto-dialing (up to 32 digits) programmable speed dial number
- Vandal resistant 0.105" thick 316 marine grade stainless panel, armored cable and metal cradle
- Temperature range: -30° to 140°F
- Standard model armored cable length: 36"
- **EWP** model armored cable length: 54"
- Hearing aid compatible amplified handset with sealed push button volume control
- Optional surface mount box available, model **VE-5x10** (see page 33)
- Dimensions: 5"W x 10"H x 4"D

Analog Model	DOD #	EWP
K-1900-7	364	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Analog Panel Phone with Keypad

- Auto-dials (up to 32 digits) programmable speed dial number
- Touch tone or pulse dialing with a programmable pre-dial pause
- Sealed metal touch tone keypad
- Multi-number dialer mode adds 5 speed dial numbers
- Temperature range: -30° to 140°F
- Standard model armored cable length: 36"
- **EWP** model armored cable length: 54"
- Vandal resistant 0.105" thick 316 marine grade stainless steel panel, armored cable and metal cradle
- Hearing aid compatible amplified handset with sealed push button volume control
- Optional **VE-5x10** (page 33) surface mount box available
- Dimensions: 5"W x 10"H x 4"D

Analog Model	DOD #	EWP
K-1900-8	362	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

VoIP Panel Phone

- Provide vandal resistant communication for SIP **VoIP** phone systems
- Auto-dials programmed phone number
- Dials up to 4 additional numbers on busy or no answer
- SIP compliant
- PoE Powered (class 1<4 Watts)
- Built-in loud ringer
- Mounts on a standard double-gang electrical box
- Standard model armored cable length: 36"
- **EWP** model armored cable length: 54"
- Dimensions: 4.56"W x 4.5"H

VoIP Model	DOD #	EWP
K-1900-6-IP	363	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

VoIP Panel Phone

- Provide vandal resistant communication for SIP **VoIP** phone systems
- Auto-dials programmed phone number
- Dials 4 additional numbers on busy or no answer
- SIP compliant
- PoE Powered (class 1<4 Watts)
- Built-in loud ringer
- Standard model armored cable length: 36"
- **EWP** model armored cable length: 54 "
- Mounts on a standard double-gang electrical box
- Optional **VE-5x10** (page 33) surface mount box available
- Dimensions: 5"W x 10"H x 4"D

VoIP Model	DOD #	EWP
K-1900-7-IP	363	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

VoIP Panel Phone with Keypad and Entry System Features

- Provide vandal resistant communication for SIP **VoIP** phone systems
- Speed dials up to 250 numbers, each with rollover
- Store up to 1000 keyless entry codes
- PoE powered (class 2<6.5 Watts)
- SIP compliant
- Event logging with time and date stamp
- 2 sets of relay contacts for door/gate/camera control
- 26 bit Wiegand input for optional proximity card readers
- Built-in loud ringer
- Standard model armored cable length: 36"
- **EWP** model armored cable length: 54"
- Hearing aid compatible amplified handset with sealed push button volume control
- Dimensions: 5"W x 10"H x 4"D

- Optional **VE-5x10** (page 33) surface mount box available

VoIP Model	DOD #	EWP
K-1900-8-IP	361	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Touch Tone and Pulse Hot-Line Dialers

Applications:
• Help Lines
• POS Displays • Information Kiosks
• Hotel/Car Reservations
• Courtesy Phones • Money Transfer
• Non-Volatile Memory
• No Batteries to Replace
• Convert any Analog Phone to a Hot-Line Dialer

These analog PABX, CO line or FXS port powered dialers automatically dial the programmed number each time the connected phone goes off-hook. They can help eliminate mileage charges on leased lines, toll fraud on courtesy or emergency phones and toll fraud from hand-held dialers. They are compatible with analog PABX, CO line or FXS ports and will not dial on incoming calls. Program from any analog touch tone phone.

Model **K-1900-4** provides 10 or 20 pps pulse dialing and with external switches, can dial up to 5 different 1 to 16 digit phone numbers. "Pulse only" phone lines usually cost less per month and cannot be hacked by hand-held dialers. **K-1900-4** can store 4-second pauses.

K-1900-4

K-1900-5

Model **K-1900-5** provides 1 to 32 digit Touch Tone dialing and 1 or 4 second pauses as needed to use behind a PABX, access a pager from an alarm contact, etc. The **K-1900-5** blocks hand-held dialers and "hookswitch" or pulse dialing. The dialer can provide fast (50 mS) or normal (120 mS) on/off Touch Tones.

Model	Description	DOD #
K-1900-4	Pulse Dialer	315
K-1900-5	Touch Tone Dialer	317

• The **K-1900-5** can be activated by a momentary contact closure, see **DOD# 818**
• Program a Multitude of Dialers or Hot-Line Phones, see **DOD# 901**

100 Number Speed Dialer

• Non-volatile memory
• Use on an analog PABX, CO line or FXS port
• Use with any analog touch tone phone

When used as a multi-number dialer the **K-1900-9** will allow the user to enter a 1 or 2 digit code that will speed dial a pre-programmed number. When the dialer calls the number, the user can be blocked from entering additional touch-tones. Alternatively, the **K-1900-9** can be programmed to allow touch-tones for use with interactive touch tone response systems.

The **K-1900-9** can also be programmed as a single number hot-line. Because the dialer is A.C. powered, it can be used on low current phone lines.

Model	DOD #
K-1900-9	321

The **K-1900-9** has a programmable call timer and can be programmed on-site or from a remote location using a touch-tone phone. Power supply included.

Smart Touch Tone Dialer with Redialing

The **K-1900-30** is an automatic dialer that dials a 1-20 digit phone number, and can be programmed to call up to 4 additional phone numbers if the line is busy, or is not answered. The **K-1900-30** can be used to add the smart dialing features of a **Viking** Model **E-30** to other non-dialing **E-Series** or **K-Series** phones, or any analog phone.

The **K-1900-30** connects to an analog PABX, CO line or FXS port. Programming can be done locally, or remotely by calling the unit. Power supply included.

Model	DOD #
K-1900-30	300

Two Input Alarm Dialer with Digital Announcer

The **K-202-DVA** Voice Alarm Dialer is a smaller version of the popular **K-2000-DVA** below. The **K-202-DVA** is a fully programmable, two input, multi-number auto dialer and digital announcer, designed for emergency and non-emergency message notification. Power supply included.

- **Non-volatile memory (no batteries required)**
- **Two normally open or closed contact inputs**
- **2 messages (1 minute record time per input)**
- **Stores up to seven 32-digit phone numbers per input**
- **In the event that the dialer receives a busy or no answer it will automatically dial up to six more numbers**
- **Local or remote programming and recording**

Model	DOD #
K-202-DVA	305

Eight Input Alarm Dialer with Digital Announcer

- **"Store Caster" mode available**
- **Non-volatile memory (no batteries required)**
- **Eight normally open or closed contact inputs**

The **K-2000-DVA** is a programmable, eight input, multi-number auto dialer and digital announcer, designed for emergency and non-emergency message notification. It can store up to eight 32-digit numbers per input, for a total of up to 64 different numbers. The unit is capable of local or remote recording of up to eight different messages (one message per input), with a total recording time of eight minutes. In the "Store Caster" mode, eight different messages ("customer assistance needed in hardware please" etc.) can be provided. Power supply included.

Model	DOD #
K-2000-DVA	303

Automated Voice Message Delivery System

Model **K-6000-DVA** can automatically notify up to 1000 people of an event cancellation, school, church or business closing or delayed opening *with one call*. You can also record and forward a caller's message to a group of phone numbers.

The **K-6000-DVA** is designed to connect to a standard analog PABX, CO line or FXS port. To activate the unit, an authorized administrator calls the **K-6000-DVA**, dials a 6 digit password, selects a pre-recorded message or records a live message up to 1 minute, then activates the unit via a touch tone command to automatically call all the phone numbers in a pre-programmed group. Up to 6 groups of phone numbers can be preprogrammed into the unit. On site, each group can be initiated by a contact closure. Activating an "All Call" calls all preprogrammed numbers to be dialed.

Power supply, USB Adapter and Application CD included.

Model	DOD #
K-6000-DVA	307

For faster calling, multiple units and phone lines can be used to form a "phone tree."

2 Watt Paging Amplifier/Multi-Line Loud Ringer

- **For PABX and electronic key system applications**
- **Drives up to (3) eight Ohm paging horns/speakers**

The **PA-2A** monitors up to 6 analog lines for ringing or can be activated by a phone system contact closure. A loud electronic warble (108 dB @ 1 meter), double gong, quadruple chime or a door chime can be selected to announce incoming calls. To page, connect to a paging port or unused trunk input or FXO port on a phone system. The unit provides 2 Watts of power - enough to drive 3 eight Ohm speakers. The **PA-2A** has an input for a loud ringing on/off switch, an output for controlling a 12 Volt relay and a 600 Ohm output for sourcing high powered paging amplifiers. The **PA-2A** includes one paging horn and power supply.

Model	DOD #
PA-2A	485

For additional ceiling speakers and paging horns use models **25AE, 30AE, 35AE, 40AE,** and **300AE** (see page 19 for specifications).

15 Watt General Purpose Telecom Paging Amplifier

- **Supports background music and loud ringing**
- **For Centrex, PABX, IP, and key system applications**
- **Drives up to (15) eight Ohm paging horns/speakers**
- **This unit replaces the CPA-7B**

The **PA-15** allows paging from a Key or PABX paging port, an unused trunk input or FXO port (provides 36 Volts of talk battery), or a ringing analog PABX station, Centrex, C.O. line or FXS port. The **PA-15** can disconnect on CPC, busy, silence or a 16 to 72 sec (defeatable) timer. The **PA-15** can provide an alert tone prior to paging. Background music (muted during page) can be added from an external source. 4 electronic tones are available for loud ringing. Power supply included.

Model	DOD #
PA-15	486

For ceiling speakers and paging horns use models **25AE, 30AE, 35AE, 40AE,** and **300AE** (see page 19 for specifications).

30 Watt Professional Telecom Paging Amplifier

- **For PABX and electronic key system applications**
- **Drives up to (30) eight Ohm paging horns/speakers or (50) 70V or 25V speakers**

The **PA-30** provides paging from the phone system paging port or connect to an unused trunk input or FXO port (provides 40 Volts of talk battery). The **PA-30** has separate inputs and volume controls for paging, auxiliary source, loud ringing and background music. A contact closure or ringing line can activate loud ringing. A warble, double gong, quadruple chime or door chime sound can be selected. The **PA-30** also has inputs for a night transfer (loud ringing) on/off switch. The **PA-30** has a 600 Ohm output to drive additional amplifiers. Electronic switching eliminates pops and clicks. Power supply included.

Model	DOD #
PA-30	489

For ceiling speakers and paging horns use models **25AE, 30AE, 35AE, 40AE,** and **300AE** (see page 19 for specifications).

60 Watt Compact 1 or 2 Zone Power Amplifier

- **Add 60 Watts of total paging power to two separate zones**
- **Drives up to (60) eight Ohm or (100) 70V or 25V speakers**

The **PA-60** boosts the power output of smaller paging systems by 60 to 100 speakers. Since each input has its own gain adjustment, one zone can be turned up louder for warehouse paging horn speakers, and the other zone can be turned down for office ceiling speakers. Two zones can also be helpful for installations in which one group of speakers is connected to a source that provides background music using the **Viking PI-1A** paging interface unit, and the other zone provides only paging.

The **PA-60** inputs are transformer coupled so they are floating and isolated. Connect to line level audio or direct to an existing paging amp output. Power supply included.

Model	DOD #
PA-60	493

For ceiling speakers and paging horns use models **25AE, 30AE, 35AE, 40AE,** and **300AE** (see page 19 for specifications).

Connects to 600 Ohm output of:		
CTG-1	**FXI-1**	**PA-30**
CTG-2A	**MTG-10**	**PI-1A**
DNA-510	**PA-2A**	**RAD-1A**
FBI-1A	**PA-15**	**ZPI-4**

Self-Amplified Paging System

Includes one SA-IR remote

The **SA-25** Self-Amplified Paging control unit interfaces with virtually any telecom or IP phone system with a paging port, a ringing analog FXS or an FXO port. The system can provide background music from an external source and generate loud or night ringing from a ringing analog station or phone system contact closure. The **SA-25** control unit is backwards compatible with the older Legacy Valcom and Bogen 4-wire self-amplified speakers.

The **SA-25** can directly drive a combination of up to 25 self amplified **Viking** 2-wire and/or older Legacy 4-wire self-amplified speakers. Power supply included.

Model	DOD #
SA-25	520

SA-25 Brochure **DOD #902**

Infrared Remote for Self-Amplified Paging System

Model **SA-IR** is a three button infrared remote control for use with model **SA-1S** and **SA-1H** self amplified paging speakers. Aim the infrared transmitter at the speaker. The up/down buttons allow users to set the appropriate volume level for each room, while the mute button eliminates just background music or all sounds.

Model	DOD #
SA-IR	527

Remote Controlled Self-Amplified Speaker

Model **SA-1S** is an 8 inch paging speaker that has a built in 1.5 Watt power amplifier, an infrared remote control detector, and an integrated digital volume control, all built into an attractive off-white grill for flush mounting in office ceilings. The **SA-1S** self-amplified paging speaker uses a proprietary two wire protocol in which both 40 Volts DC power and audio are combined on the same pair of wires. Connect only to **Viking** model **SA-25** controller or use the **SA-X12** expander to connect to any paging system.

Model	DOD #
SA-1S	525

Infrared Remote Controlled Paging Horn

The **Viking** model **SA-1H** is a 5 inch paging horn that includes a 1.5 Watt power amplifier, an infrared remote control detector, and an integrated digital volume control. The **SA-1H** self amplified paging horn uses a proprietary two wire protocol in which both 40 Volts DC power and audio are combined on the same pair of wires. It is designed for direct connection to the **Viking** model **SA-25** Controller or **SA-X12** Expander.

Model	DOD #
SA-1H	526

Expander/Adapter

Model **SA-X12** is a cost effective way to expand an existing paging system while adding remote control. Connect the **SA-X12** to any existing paging audio (600 Ohms, 25V, 70V, 4, 8, or 16 Ohms or an **SA-25** controller) and add up to (12) **SA-1S** or **SA-1H** speakers. Power supply included.

Model	DOD #
SA-X12	529

Anti-Feedback Paging Interface

- **Eliminate the feedback "squeal" when paging**
- **Contact or adjustable "Voice Operated Recording" activates the paging amplifier**
- **High quality (80K/40K) digital message storage**
- **High output: 2V RMS into 600 Ohms**

Now your paging amplifier can be turned up to any level and your phones can be located anywhere, even directly under a high-power paging horn. The **FBI-1A** maximizes efficiency by adjusting to the actual page length (up to 32 seconds). A contact is provided to activate the amplifier, if needed. Power supply included.

Paging Phone

Model	DOD #
FBI-1A	465

HOW IT WORKS: The "live" input from the paging port is digitally recorded. When complete, the paging amplifier is activated and the page is replayed once or twice.

Two-Way Handsfree Talkback Amplifier

Unused Trunk Input or FXO Port

Provides handsfree talkback paging for use in city desks, shipping, warehouses, service departments or any application where quick answers are needed. Connects to an unused trunk input or FXO port. Weatherproof bi-directional paging horn **(25AE)** and power supply included. One additional **25AE** paging horn can be used.

Model	DOD #
HF-3W	470

Night Bell Over Existing Paging System

Applications: Offices, Warehouses, Clinics – anywhere people may be working after the receptionist goes home

Connect to the night service line to provide electronic warble tone over an existing paging system whenever ring voltage is detected. The **K-600F** has both tone and level adjust and provides a relay contact for muting music or operation of external signalling devices, 120V bells, strobe lights, chimes, etc. The **K-600F** operates on any analog line that provides a minimum of 40V ringing. For generating audible tones from a contact closure use model **PA-2A** (Page 16) or **PI-1A** (below). No power supply required.

Model	DOD #
K-600F	476

Universal Telecom Paging Interface

- **Select: FXO (loop start), FXS (ring trip) or paging port (VOX relay) interface mode**
- **36 V Talk Battery for use with an FXO port or unused trunk input**
- **600 Ohm volume controlled floating output - mutes music during page**

In all modes the **FXI-1** provides normally open or normally closed relay contacts to activate the paging amplifier or connect to an external background music source. After paging, the **FXI-1** auto disconnects on CPC, busy signal, silence or default disconnect timer. An electronic night bell over paging feature can be activated from a momentary phone system contact closure. Power supply included.

Model	DOD #
FXI-1	494

Page Port/Trunk Input/FXO Paging Interface

- **Night Bell** • **Mutes Music** • **600 Ohm output** • **VOX switching**
- **Provides Talk Battery for connection to an unused trunk input or FXO port**

Provides paging using phones (instead of a microphone) over a PA audio system. VOX contact closure mutes background music for phone systems that don't provide a paging contact (Panasonic, S.W. Bell, Intertel, etc.). If a Paging Port is not available, use an unused trunk input or FXO port. Power supply included.

Model	DOD #
PI-1A	491

Loud Call Announce/Ringing Amplifier

For electronic key telephones in noisy areas

The **M2W** will amplify call announce messages and ringing tones when connected to the speaker leads of an electronic or digital telephone. It cannot be connected to a 2500 set (use model **PA-2A**). The **M2W** is also useful for expanding the number of speakers connected to a **Viking PA-2A** or **PA-15** (Page 16). Each **M2W** can provide 2 Watts of paging power to drive three paging speakers. One **25AE** paging horn and power supply included.

Model	DOD #
M2W	480

4 Zone Paging Controller

- Switches line level signal to amplifiers
- Switches amplified signal to speakers
- Expand to 8 zones using 2 units

- All-call and 5 group call patterns selected by touch tones
- Balanced audio circuitry for low noise
- Input provided for background music

The **ZPI-4** paging system is capable of switching a line level signal (600 Ohms) to amplifiers or an amplified signal to 70V or 8 Ohm speakers. The **ZPI-4** features separate level controls for paging and background music (can be disabled on a per-zone basis). Also provided is a night bell with adjustable volume activated by a dry contact closure or a ringing analog PABX/KSU/FXS station. The **ZPI-4** is compatible with ringing analog PABX/KSU/FXS station ports (disconnects on silence, CPC, busy signal, touch tone (#) or time-out) as well as unused trunk inputs, and will interface directly with standard paging ports.

Model	DOD #
ZPI-4	499

Compatible with models (Page 16):
PA-2A   PA-15   PA-30   PA-60

Single Line Smart Loud Ringer

- Operates from a ringing analog line or a contact closure
- 4 different tones available, Warble, Double Gong, Quadruple Chime, Electronic Bell
- Provides a door chime tone for either a doorbell, door open or "Push for Assistance" sensor

Model	DOD #
SR-1	477

- 90 dB @ 1 meter, 105 dB with external **25AE** paging horn
- Power supply included
- For a line powered loud ringer use **LPR-1** (see page 24)

SIP Loud Ringer with Visual Ring Indication

- Automatic Gain Control (AGC) increases ring volume to compensate for ambient noise

- PoE powered (class 2, < 6.5 Watts)
- SIP Compliant
- Relay output to trigger remote **Viking SL-2** Strobe Light or **LPL-1** Visual Ring Indicator
- LED Flashes for Visual Ring indication
- Remotely Control Loud Ring Volume from PC

Model	DOD #
SR-IP	577

Paging Speakers and Paging Horns

- **30AE:** 8 Ohm ceiling speaker with mounting hardware
- **35AE:** 8 Ohm ceiling speaker with volume control
- **40AE:** modern 8 Ohm ceiling speaker with excellent sound quality and integral mounting system

Model	DOD #
30AE	498
35AE	498
40AE	498
25AE	498
300AE	497

- **25AE:** 12 Watt 8 Ohm compact paging horn
- **300AE:** 30 Watt 8 Ohm/70 Volt paging horn for additional volume and voice intelligibility

Volume Control

30AE   35AE   40AE   25AE   300AE

Tile Bridge

Model	DOD #
SA-TBA	534

Use when mounting **Viking** models **SA-1S, 30AE**, **35AE** or **40AE** Ceiling speakers on 2' x 2' or 2' x 4' ceiling tiles

Speaker Volume Control

Adjust the volume of individual paging horns, ceiling or wall speakers. Compatible with **Viking** 1-way paging amps. or any 8 or 16 Ohm or 25 Volt paging system. Mounts in standard single gang electrical box. Not recommended for 2-way (talkback) applications.

Model	DOD #
SV-5W	488

Clock Controlled Tone Generator Over Paging

• **Timed single, double, or triple chime, or buzzer tones**   • **Easy to program, easy to change**
• **Alarm and standard NFPA/ANSI evacuation tones**   • **Programmable day of week on/off feature**

Provides your paging system with up to 128 timed alert tones per 24 hour period. Different alert tones may be used to indicate start or end of shift, break, lunch, etc. Dry contact closures can activate alarm, fire, evacuation etc., sounds over paging. A door chime is also available for night ring or doorbell. These sounds can be activated remotely via a telephone using **Viking RC-3** (Page 40). Use with the **DVA-2WA** (Page 25) for timed announcements.

Model	DOD #
CTG-1	460

Emergency Mass Notification/Evacuation Announcer

• **Includes 10 different tones and 5 different pre-recorded messages**
• **Securely activate, reset, or live page from a remote phone**
• **Connect to a phone line, FXS/FXO port, PABX station, or phone system**

The **DNA-510** is a digital mass notification announcer, capable of providing up to 2 minutes of digitally recorded voice emergency instructions and alert tones over your existing paging system. When activated, the **DNA-510** will interrupt any current paging or background music and inject alert tones, emergency instructions, or a live page over your paging system. Compatible with the **Viking PA-2A, PA-15, PA-30, PA-60** (page 16) or any paging system. Power supply included.

Model	DOD #
DNA-510	492

Alert Tone Applications:	• Fire • Tornado	• Evacuation • Lockdown	• Severe Weather • Terrorist Alert	• Flash Flood • All Clear

Single Line Paging Controller/2 Watt Amplifier

Add paging, phone-to-phone intercom, and door chime to your whole house audio system

The **SLP-1** allows the user to page family members or co-workers from any phone in your home or small business. Pages are heard over the same speakers installed for multi-zone music distribution. Music is muted during the page and optionally during phone calls. If the user is on an in- or out-bound call, the caller can be placed on hold with music during the page. The **SLP-1** can provide ringing and door chime over the system. An input for a lighted doorbell switch and an output for 12 Volt trigger or relay contact is provided. Power supply included.

Model	DOD #
SLP-1	478

Add Paging and Door Chimes to a Whole House Audio System

• **Select from 8 preloaded CD quality sounds**
• **Download your own custom WAV files via your USB port**
• **Page from multiple lines by connecting multiple units**

The **SLP-4** Single Line Paging controller will allow you to page family members or co-workers from any phone in your home or small business. The pages can be heard over the same speakers that are installed for multi-zone music distribution.

The **SLP-4** provides inputs for 4 lighted doorbell switches. The inputs select different sounds from a library of preloaded recordings or users may record their own sounds. When the doorbell switch is pressed, or the user pages, the music is muted while the appropriate sound or page is heard over the system speakers. The **SLP-4** connects in series with a single existing phone line and features a built-in 2 Watt amplifier, stereo pre-amp output, music on hold input, intercom features, and selectable loud ringing. Power supply included.

Model	DOD #
SLP-4	479

Preloaded CD Quality Sounds:

• Westminster chimes	• Door knocking
• Wind chimes	• Alert tones
• Barking dog	• Goblet chime
• Ding-dong	• Triangle

Master Clock/Networked Clock Controlled Tone Generator Over Paging System

- Accurate time base synchronizes periodically with your network or internet time
- Can also be used as a Master Clock to synchronize Viking CL series clocks
- Automatic daylight savings time and leap year correction

Features:
- Up to 14 schedules and up to 1000 events
- Pre-loaded with common school, business and factory alert tones or program with your own messages/tones over your network
- 6 minutes of CD quality WAV file record time

- 4 inputs for triggering emergency fire evacuation, severe weather, lock down and all clear alert tones or messages
- RS-485 output for communicating time sync data when used with Viking CL Series wireless analog and digital clocks (see below)

The **CTG-2A** is a networked clock controlled tone/message generator designed to provide accurately timed tones and/or messages over your existing paging system. This provides a cost effective way of signaling school period changes, factory shifts, breaks, lunch periods or providing messages at specific times for store sales, promotions, closing times, airport loading zones, etc. The **CTG-2A** can also be used as a master clock to automatically synchronize **Viking CL Series** clocks.

Model	DOD #
CTG-2A	464

The **CTG-2A** comes with programming software and an Ethernet port to allow PC programming of timed events, schedules, network or internet time synchronization, wave file download, message volume, daylight savings time, leap year, auxiliary relay control, etc. Power supply included.

Wireless Synchronized Clocks, RF Transmitter and Accessories

Add your own logo - call for details

All clocks have built in 1/4 Watt repeaters capable of retransmitting the clock sync signal up to 500 ft in open space

Viking's Wireless Clock System provides reliable, accurately synchronized clocks for your entire facility. Eliminating dedicated clock wiring can save you thousands of dollars on installation and also allows for easy retrofitting. The system is comprised of a **CTG-2A** master clock, a **CL-RFT** clock RF transmitter, and Analog or Digital wireless clocks. The clocks will always display the correct time via updates from the **CTG-2A**.

2.5" and 4" Digital Clocks
(shown with optional double mount bracket **CL-DMD2 or CL-DMD4**)

CL-D2 & CL-D4

Wireless bright digital clocks require 120 Volt AC outlet (Power supply included)**.** The clocks are updated every minute from the **CTG-2A**.

16" Analog Clock
(shown with optional double mount bracket **CL-DMA16**)

Wireless Analog clocks are battery operated and require no wiring. Battery life using (2) D size Duracell Procell batteries is more than 5 years. The clocks are updated every 4 hours from the **CTG-2A**. Clocks can be located up to 6,500 ft. from the **CL-RFT** transmitter/repeater or up to 500 ft. from another synchronized clock.

12" Analog Clock

CAUTION: CL Series clocks cannot be used as stand alone clocks. They must be used in conjuction with a **CTG-2** or **CTG-2A** master clock and one or more **CL-RFT** transmitters.

CL-A16

CL-A12

RF Transmitter/Repeater

The **CL-RFT** transmitter receives time sync data from the **CTG-2A** and transmits to the clocks via 915 to 928 MHz frequency hopping technology. Powerful 1 Watt (30dBm) output communicates up to 6,500 ft. in open space. Can also be configured as a repeater for larger spaces. Dimensions 11"H x 8" W x 1.7" D. No FCC license required.

CL-RFT

CL-WGA12 & 16
12" and 16" Analog Clock Wire Guard
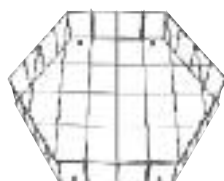
Model	Description	DOD #
CTG-2A	Master Clock	464
CL-A12	12" Analog Clock	466
CL-A16	16" Analog Clock	466
CL-D2	2.5" Digital Clock	466
CL-D4	4" Digital Clock	466
CL-DMA12	12" Double Mount (Analog)	466
CL-DMA16	16" Double Mount (Analog)	466
CL-DMD2	2.5" Double Mount (Digital)	466
CL-DMD4	4" Double Mount (Digital)	466
CL-RFT	RF Transmitter/Repeater	466
CL-SMD2	2.5" Surface Mount (Digital)	466
CL-SMD4	4" Surface Mount (Digital)	466
CL-WGA12	12" Wire Guard (Analog)	466
CL-WGA16	16" Wire Guard (Analog)	466
CL-WGD4	4" Wire Guard (Digital)	466

Phone Line Powered Remote Access Device

- **Programmable security code and access code**
- **Separate 600 Ohm audio and telephone line output**
- **Programmable call timer and silence time-out**
- **Relay contacts available for systems that need a dry contact closure**

The **RAD-1A** remote access device gives authorized users remote access to one way paging amplifiers, digital announcers, and other audio programs. A programmable access code prohibits access by unauthorized users. The **RAD-1A** answers on the first ring and disconnects on CPC, call time out, silence time out, busy, or by dialing #7. Separate 600 Ohm audio and telephone line outputs are provided, allowing connection to audio amplifiers, digital announcers, or phone systems.

Model	DOD #
RAD-1A	410

Remote Access to:	• Paging systems, such as **Viking's: PA-2A, PA-15, PA-30, PA-60** (page 16) • Advertisements, radio, or church programs	• Digital announcers • Audio monitoring for security purposes • For more applications see **DOD# 874**

Amplified Remote Access Device

The **RAD-AMP** extends the usefulness of your phone system to remote employees, as well as providing call forwarding to remote employees or locations.

Modes of Operation	• Telecommuting Extender • Line Extender • Call Diverter

As a Telecommuting Extender, the **RAD-AMP** gives remote workers access to most PABX/KSU features from their home or cell phone. The home based employee hears a special tone when answering and has the option of taking the work related call. Remote call center personnel can "Log-In" and Log-Out" or change their forwarding number as their location changes. Using touch tones, remote workers can use phone system features to transfer the call to another extension or voice mail, start a conference call, generate a page or any other feature available to an analog PABX/KSU extension.

Model	DOD #
RAD-AMP	415

As a Line Extender**,** the **RAD-AMP** provides authorized users remote access to PABX, Centrex or Electronic Key system features.

As a Call Diverter, the **RAD-AMP** provides call forwarding from one location to another. After detecting an inbound call, the **RAD-AMP** accesses a second phone line, dials a prepro- grammed touch tone number, and then bridges the two lines.

Programmable Touch Tone and Rotary Toll Restrictor

- **Eliminate long distance toll abuse**
- **Override bypass code**
- **Non-volatile memory – no batteries required**
- **1 to 50 minute call timer**
- **Analog PABX, CO line or FXS port powered**
- **Centrex and PABX compatible**

Program up to 40 prefixes, area codes or phone numbers to be blocked or allowed. The **TR-1** can block all Operator assisted calls, Directory Assistance, 976 and 900 calls, and "1+" long distance, while toll-free calls (selectable allow/block) and emergency "911/311" calls (always allowed) are ignored.

The **TR-1** features can be programmed on site or remotely using a Touch Tone phone. The programmer must know the unit's security code to change the programming. The 6 digit override bypass code allows parents or supervisors to make calls normally blocked by the **TR-1.**

Model **TR-1** shown open

Model	DOD #
TR-1	705

Applications:	• Bars and Restaurants	• Construction Site Phones	• Employee Lunch Rooms
• Courtesy Phones	• Roommates	• Prevents 976 & 900 Abuse	• Hotel/Motel
• Time Share Condos	• Calling Card Only	• Emergency Phones (with override)	• Inbound Only Phones

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Designed, Manufactured and Supported in the USA!   Questions? Call: 715-386-8861

ACA-1A

Automated Call Attendant

Model	DOD #
ACA-1A	005

DVA-LPA

Phone Line Powered Digital Announcer

Model	DOD #
DVA-LPA	128

DVA-TNT

Time and Temp Announcer

Model	DOD #
DVA-TNT	129

EV-1

Emergency Voice Module

Model	DOD #
EV-1	135

HD-1

Handset Interface DTMF Dialer

Model	DOD #
HD-1	405

K-1500-E

Elevator Phone (non ADA)

Model	DOD #
K-1500-E	220

K-1500-EHFA

Elevator Phone (non ADA)

Model	DOD #
K-1500-EHFA	220

LC-3

Line Concentrator

Model	DOD #
LC-3	223

LC-8

Line Concentrator

Model	DOD #
LC-8	225

LM-24S

Line Status Monitor System
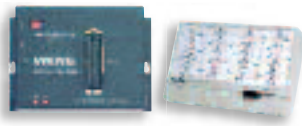
Model	DOD #
LM-24S	670

NS-1

Night Switch

Model	DOD #
NS-1	540

PC-7

Automatic Privacy Cord

Model	DOD #
PC-7	560

PJ-14

Two Line Privacy Device

Model	DOD #
PJ-14	560

SO-24A

Silent Observation Unit

Model	DOD #
SO-24A	690

SO-24 AK

Cord Set for Digital Systems

Model	DOD #
SO-24 AK	819

SQRG-12

Sequential Ring Generator

Model	DOD #
SQRG-12	060

TG-1

Privacy Device for Punch Down or Terminal Block

Model	DOD #
TG-1	560

TG-2

Modular Privacy Device

Model	DOD #
TG-2	560

TMS-12A

12 Line Call Sequencer

Model	DOD #
TMS-12A	070

VE-RMB

Retrofit Mounting Bracket

Model	DOD #
VE-RMB	431

Loop Detector Board

The **LDB-1** provides a contact closure when used in series with telecom devices on an analog phone line. Analog PABX, CO line or FXS port powered.

Model	DOD #
LDB-1	406

Panasonic Doorphone Station Adapter

The **PAN-1** allows a **Viking** speaker phone (**E-10A, E-20B, E-30, E-35, E-40, E-50, E-60, E-65, E-70, E-75,** etc.) to be connected in place of a Panasonic KX-T30865 or KX-T7775. Power supply included.

Model	DOD #
PAN-1	145

Loop and/or Ring Detector

The **LDB-2** Ring/Loop Detect monitors an analog phone line for ringing and/or in use condition. 2 sets of relay contacts are activated when these conditions are detected. When monitoring for ring, the relay can be adjusted to stay on steady or follow a ring cadence. A 12 Volt output is provided. Power supply included.

Model	DOD #
LDB-2	408

Line Powered Loud Ringer

This auxiliary electronic ringer operates on any analog line that provides a minimum of 40 Volts 20-30 Hz AC ring voltage. Nominal 3 KHz warble provides up to 92 dB SPL @ 1 meter. The **LPR-1** can be connected via screw terminals or modular RJ-11 jack. A volume control and a 7 foot modular cord are provided. No power supply is required.

Model	DOD #
LPR-1	550

Advanced Loop and/or Ring Detector

The **LDB-3** monitors an analog phone line, PABX or FXS line and provides a normally open or normally closed contact during ringing, off hook or both. The unit can also provide a 12V DC 350 mA output for strobes. The **LDB-3** can follow the ring cadence or stay on steady during ring. It can be set up not to activate from "Info" button on two-button phones. Power supply included.

Model	DOD #
LDB-3	409

Multi-Tone Generator

The **MTG-10** can be connected to a paging source, phone system's paging port or background music. When a contact closure is provided to one of the inputs, the paging or background music is faded out and the appropriate tone is generated over the paging system. The siren and the evacuation whoop have priority and override any other tone.

The **MTG-10** can also be configured to provide a tone every 15 seconds to notify callers that

Model	DOD #
MTG-10	482

their call is being recorded. Power supply included.

Time Delay Relay

The **TDR-1** can be programmed to produce one of 8 closure times from .5 to 20 seconds. Can also be set up as a delay on operate relay. Accepts positive or negative-going logic level voltage or a contact closure. Power supply included.
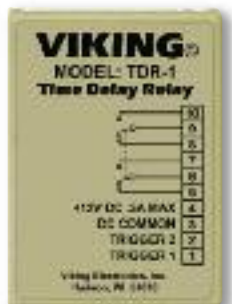
Model	DOD #
TDR-1	421

Generate a CPC Disconnect

The **CPC-1** and **CPC-4** provide a momentary (1 second) break in the line current to signal telephone equipment the calling party has hung up. They generate the disconnect signal after detecting busy, fast busy, return to dial tone and silence. Available in 1 line (**CPC-1**) and 4 line (**CPC-4**) configurations. Phone line powered.

Model	DOD #
CPC-1	421
CPC-4	444

Digital Voice Announcer with 7.5 Minutes of Record Time

- 2 Watt amplifier for use with paging speakers and horns
- AGC for recording from handset, tape, CD, PC soundcard, etc.
- 4 professional on-hold messages included
- Recording can be on-site or in a professional studio
- Power supply included

Applications Include:
Promotion-On-Hold, Airports,
Museum/Information Displays,
Message Repeater,
Moving Sidewalks, etc.

Model	DOD #
DVA-2WA	110

Customer Favorite Application:
Brahms Lullaby Baby Announcer **(DOD # 865)**

Professional Digital Voice Announcer/Recorders

Applications: ACD, UCD, Intercept, Hotel/Motel Wake Up, Night Answer, Ski Resorts, Movie Theaters, Work Schedules, School Closings, Out of Service, etc.

Model DVA-500A

- Single 1 minute channel
- Ring trip or 4 wire E&M
- Local or remote recording
- Power supply included

Model DVA-1003B

- 3 independent 1 minute channels
- Ring trip or 4 wire E&M
- Local or remote recording
- Announcer cycles automatically, adjusts to message length
- Power supply included

Model DVA-3003

- 3 independent 1-4 minute channels
- Or a single 12 minute channel with optional **ERAM-60** expansion chips (see below)
- Ring trip or 4 wire E&M
- Local or remote recording
- Power supply included

Model	Description	DOD#
DVA-500A	Digital Announcer (1 minute)	115
DVA-1003B	3-Channel Digital Announcer (1 minute/channel)	125
DVA-3003	3-Channel Digital Announcer (1-4 minutes/channel)	127

Hotel/Motel Wake Up Application - See **PB-100** (Page 39).

Standard Carbon Handset

For voice recording on **Viking** products.

Model	Description
Q171030	Carbon Handset

Memory Expansion Chip

Expand record memory of **Viking** products.

Model	Description	DOD #
ERAM-60	1 Minute Expansion Chip	813

Use with:
- DVA-1003B
- DVA-3003

Automated Receptionist - Digital Call Screening and Messaging System

- Add "This call may be recorded…" or "Our store hours are…" to the line input of your phone system or single line phones
- Cost effective - Quick and easy programming via your phone
- 12 minutes of flash memory

The **AR-1** Automated Receptionist answers calls with an informative greeting, then lets callers ring through to talk to someone live, select from other prerecorded messages, or hang up. Programming functions and message recording are accessed locally or remotely, using a standard Touch Tone phone, or record from tape, CD, PC, etc. Up to 8 different messages can be recorded. They consist of a Day greeting, a Night greeting, a transfer message, four Menu messages, and a Goodbye message. The **AR-1** can allow callers with the correct code to bypass the greeting and ring through. The unit can allow callers to enter 0, 7, 8, or 9 to ring the phone port in 4 different distinctive ring patterns. The **AR-1** can allow calls to ring through after the caller has listened to the entire greeting message. The **AR-1** passes caller ID to the phones or phone system. Power supply included

Model	DOD #
AR-1	105

Two-Way Ringdown Circuit

Features
- 0.15 or 2 sec CPC
- Precise dial tone
- Standard or distinctive ringing
- 20 Hz/2 REN ring output
- Prison phone mode
- 4.75" x 2.75" x 1.38"
- 32V talk battery

Applications
- Demonstrate telecom gear
- Prison phones
- Program alarm panels
- Test and repair
- Inter system communication
- Golf course phones

Model	DOD #
DLE-200B	605

The **DLE-200B** Line Simulator produces two-way communication between standard telecom products such as key systems, PABXs, fax machines, modems, dialogic cards and standard single line phones without the requirement for phone lines. Power supply included.

Advanced Two Way Ringdown Circuit Supports High Speed Data

- 911 mode for classroom training
- Produces precise dial tone, ringback, busy, reorder, and S.I.T. tones
- Touch tone detection or standard Ringdown
- Provides name and number caller ID
- Audio input/output jack for amplified speaker or loading voice mail systems

The **DLE-300** simulates loop start phone lines and allows two-way communication between telecom devices or systems. It provides standard or distinctive ringing (6 REN) and 40 Volts talk battery. Power supply included

Maximum loop length per port: 7,000 feet using 24 gauge twisted pair

Model	DOD #
DLE-300	607

The **DLE-300** eliminates leasing phone lines for diagnostics testing or demonstrations. A CPC break is provided after hang up.

Four Port Enhanced Auto Routing Switch

- Allows any four analog devices to share a single line
- Ports are balanced to prevent noise on long runs
- Caller ID information is stored and retransmitted during transfer
- Provides realistic ring-back tones while re-ringing selected device
- Routes calls via CNG tone, distinctive ringing, touch tones sent by calling device or manually
- Compatible with high speed modems
- Automatic "privacy" eliminates interruptions on both in and outbound calls

Model	DOD #
FAXJ-1000	261

- Monitors for calling party control (CPC)
- Power supply included

Professional Telecom Recording Kit

The **PTR-1** allows you to record:
1) All conversations on a particular phone line
2) Only conversations on your particular analog or digital telephone set
3) Only selected conversations (using the recorder controls)

Model	DOD #
PTR-1	438

The **PTR-1** is designed to work with standard digital or tape recorders with built-in VOX and ACG circuits.

Handset Adapter
(Included)

PTR-1 Interface Module
(Included)

Recorder Audio Cable
(Included)

Modular Line Cord
(Included)
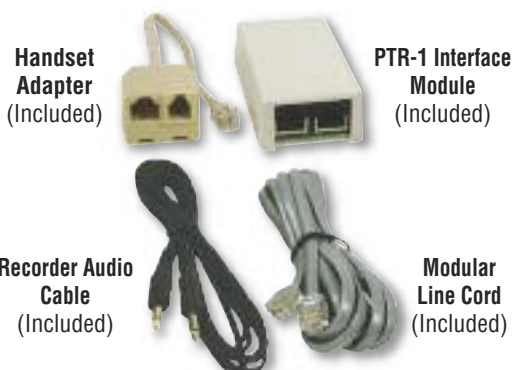
Blue Strobe with Steady-On-Beacon Kit

• **High intensity long life LED technology**   • **4 programmable flash patterns**   • **6 programmable brightness settings**

Model **BLK-4** monitors analog lines for ringing and/or off hook or uses a contact closure. Program the strobe to flash steady or follow ring cadence. The kit includes a 4" diameter LED strobe, hardware, control module and 12V power supply. For use with **Viking** emergency phone or any analog phone.

Model	DOD #	EWP
BLK-4	654	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Red, Amber and Clear lens sold separately (go to vikingelectronics.com and click Spare Parts)

Visual Telephone Status Indicator

Bright 0.75" LED visible over 100 feet, power supply included

Analog Phones: Flashing LED indicates "Ringing", steady LED indicates "On the Phone" and stutter flash indicates "Message Waiting" stutter dial tone is detected. Will also follow the cadence of 90 to 125V message waiting voltage.

Electronic Phones: Flashing LED eliminates guessing whose phone is ringing. Connect to electronic phone's speaker.

Headsets: Flashing LED ends interruptions by indicating that you are "On the Phone". Special T adapter provided.

Model	DOD #
VR-1B	697

Applications:
- Telemarketing
- Customer Service
- Office Cubicles
- Message Waiting
- Tech Support
- Sales Offices

911 Strobe Controller

Nursing Homes, Office Buildings, Strobes for Rural Houses - When you need to know where a 911 call originated

- Activates on 911, 9-911, and 8-911 calls and 555 (test) or programmable number
- Bright flashing 0.75" LED visible over 100ft
- Resets by contact closure or touch tones

Model	DOD #
SC-911	236

- Can provide 12VDC or relay contact to operate an external strobe or visual indicator
- Power supply included

Blue LED Strobe Light

- High intensity long life LED technology
- Requires 12VDC Power
- 4 programmable flash patterns
- 6 programmable brightness settings

Model	DOD #	EWP
SL-2	242	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Red, Amber and Clear lens sold separately (go to vikingelectronics.com and click Spare Parts)

Visual "Ring", "Off-Hook" and "Message Waiting*" Indication

The model **LPL-1** connects to any standard analog phone line to indicate "Ring" (visual flashing), "On the Phone" (steady on) or "Message Waiting*" (fast flash) indication. The large flashing LED can be seen up to 100 feet away. When used with a headset on an analog phone, you can end interruptions when associates don't realize you are on the phone. Phone line powered.

Model	DOD #
LPL-1	640

*When installed on phone systems with standard 90VDC message waiting voltage.
Note: Will not detect stutter dial tone (use model VR-1B above).

Message Waiting Light Retrofit Kit

- Operates on standard 80-150V DC message waiting voltage
- Fully modular for quick plug-in installation

Model	DOD #
LM-1A	662

- Blinks on message waiting or ringing
- 100% solid state for highest reliability
- LED visible for 50 feet
- Replaces **LM-1** and **LM-1LV**

Note: Will not detect stutter dial tone (use model VR-1B above).

Ring Boosters

Ring Shape Conditioner and Power Boosters

Viking's Ring Boosters are designed to reshape and increase the ringing power of an existing analog line, PABX extension, FXS port, IP phone system analog port or any other telecom device which provides ringing. The units duplicate the incoming ring cadence, allowing compatibility with custom ringing features.

Each line is capable of ringing four 1 REN or eight 0.5 REN telephones and does not affect normal operation of the telephone line or features, such as caller ID, call waiting, hookswitch flash features, CPC signaling, etc. **Viking** offers four sizes to fit many different applications.

- **True Sine wave ring signal output**
- **Boosts ring to 4 REN per line**
- **Caller ID compatible**
- **Compatible with distinctive ringing services**
- **Will not affect normal line operation**
- **Reshapes troublesome square wave ringing**
- **Fax and modem compatible**
- **Model RG-224 connects directly to CISCO VG224**

Model	No. Lines	DOD #
RG-4	1	416
RG-204	4	417
RG-212	12	419
RG-224	24	418

RG-4
1 Line, Wall mount

RG-204
4 Line, Wall mount

RG-212
12 Line, Rack mount

RG-224
24 Line, Rack mount

Ground to Loop Start Converter

Convert Loop Start Equipment to Operate on Ground Start CO Lines

- **12 circuit automatic ground start to loop start equipment converter**
- **Easy, straight forward installation via an RJ-21X 25 pair connector**
- **Stackable to increase capacity**
- **No power supply required**

Model **GLS-12** is designed to allow up to 12 standard telephone sets, multi-line key systems and other loop start equipment to be connected to 2 wire ground start CO trunk lines. The **GLS-12** provides the CO with the signaling required to draw dial tone when the loop start equipment goes off hook. Incoming calls ring directly to the loop start devices.

Model	DOD #
GLS-12	570

Power Fail Bypass Unit

Receive Incoming Calls During Power or System Failure

Continue to receive your calls, even if the phone system is down. The **PF-6A** bypass unit connects 6 standard single line station phones directly to the C.O. lines. When the system is restored, calls in process will not be interrupted. The **PF-6A** bypass unit will reconnect the phones to their station circuit only after they become idle. Power supply included. Model **PF-6A** operates when power is lost or on an alarm contact closure.

Model	DOD #
PF-6A	680

- **Operates on 24 to 48 Volt systems**
- **Loop or ground start**
- **Automatic ground start converter for outbound calls**

Ring Booster

Boost Ringing Power to Ring up to 12 Additional Phones

- **Boosts ring to 12 REN**
- **Caller ID compatible**
- **Easy modular installation**
- **Compatible with distinctive ringing services**
- **Will not affect normal line operation**
- **Reshapes troublesome square wave ringing**
- **Capable of boosting talk battery and loop current**

For use with Viking's:
C-1000B, DLE-200B, DLE-300, FAXJ-1000, W-1000, W-2000A, W-3000 etc.
or any Analog PABX, CO Line or FXS Port

The **RG-10A** ring generator is designed to increase ringing power of an existing telephone line, analog PABX extension, analog ISDN Terminal Adapter port, or any other telecom device which provides ringing. The **RG-10A** duplicates the incoming ring frequency and cadence allowing it to be compatible with custom ringing features. The **RG-10A** is capable of ringing twelve standard (1 REN) telephone devices and does not affect the normal operation of the telephone line or features provided by the phone company such as "Caller ID" and "Call Waiting."

Model	DOD #
RG-10A	420

Talk Battery Booster

Boost Talk Battery and Loop Current to Line Powered Devices

The **TBB-1B** will boost talk battery and loop current on single analog PABX, CO line or VoIP ATA FXS port. This is helpful for powering line powered devices, such as dialers and emergency phones on low voltage and/or loop current extensions and X-10 wireless phone jacks. Power supply included.

Model	DOD #
TBB-1B	632

- **Screw terminal connections for easy installation**
- **Boost talk battery to 48V**
- **Boost loop current to 26mA**

Long Loop Adapters

Extend Analog PABX Station Loop Length to 30,000 Feet

Viking's Long Loop Adapters provide long line and off premise extension (OPX) capabilities for PABX and KSU analog stations, ISDN terminal adapters, channel banks, etc. The units are compatible with pulse dialing, touch tone dialing, hook switch flash features, CPC signaling, and Caller ID features. A ground screw terminal allows for improved surge protection and as a earth ground reference for the regenerated line.

- **Convert an analog KSU/PABX station to a standard voltage OPX**
- **Provides 48 VDC talk battery**
- **Provides 20 HZ, 10 REN sine wave ringing**
- **Electrically isolates PABX station from extended loop**

Model	DOD #
LLA-1	615
LLA-4	620

LLA-1 (1 Line)
Replacement for Proctor model 46222

LLA-4 (4 Line)
Replacement for Proctor model 46224

Talk Battery and Ringing Power Supply

The **PS-48-RGA** power supply provides talk battery plus standard ring voltage where and when needed. Housed in a convenient wall mount enclosure, the **PS-48-RGA** comes complete with a plug-in power supply. The **PS-48-RGA** will provide telephone communication equipment with 48V DC talk battery. In addition, the **PS-48-RGA** will produce 90V 20 Hz sine wave ring voltage rated up to 10 REN. This allows a phone system to sequence up to 30 ringing phones.

Model	DOD #
PS-48-RGA	515

Applications Include:
- **Electronic Key Systems**
- **Paging systems**
- **OPX's**

Integrated High Resolution Color Cameras

Provide color analog CCTV video of who is at your door or gate

Viking offers many door entry phones with built-in color cameras for added security. The compact, high resolution, color composite video output provides versatility, while the -40° to 185° F extreme temperature rating ensures reliability.

Camera Specifications

Power: 6-22V DC 150mA (12V DC UL Listed adapter included with the product)

Image Sensor: 1/4" color CMOS

Video Output: 1 VP-P composite, NTSC, 75 ohms

Resolution: 420 lines (640 x 480 @ 30fps / 307,200 pixels)

Sensitivity: 0.025 LUX (50 IRE) F 1.2 3200K

Lens: 2.1mm, conical pinhole

FOV (Field of View): 80° Horizontal, 60° Vertical, 100° Diagonal

Tilt/Swivel Adjustment: Vertical +/- 20°, horizontal +/- 30°

IR Compatibility: If IR illumination is required, you will need to replace the existing camera inside the product with a **Viking** model **VCAM-1IR**. For more information, see **DOD# 190**.

Maximum Wire Run Length: 1000 ft with *RG59/RG6 for video and Cat-5 for power (1 pair) and entry phone audio (1 pair). 150 ft with Cat-5e for video, power and entry phone audio (longer video runs are possible by using video balun transceivers, see the product manual).

* Note: RG59 or RG6 with solid center conductor and 95% bare copper braid shield.

Model	DOD #	Page	Model	DOD #	Page	Model	DOD #	Page
AES-2005F	204	39	E-65-SS	203	43	K-1705-IP	254	36
AES-2005S	204	39	E-65-SS-EWP	203	43	K-1705-IP-EWP	254	36
E-35	178	9	E-65-WH	203	43	K-1705-BN-IP	254	36
E-35-EWP	178	9	E-65-WH-EWP	203	43	K-1705-BN-IPEWP	254	36
E-35-IP	251	9	E-75-BK	208	43	K-1775-3	280	36
E-35-IP-EWP	251	9	E-75-BK-EWP	208	43	K-1775-3-EWP	280	36
E-50-BK	191	42	E-75-BN	208	43	K-1775-3-BN	280	36
E-50-BK-EWP	191	42	E-75-BN-EWP	208	43	K-1775-3-BN-EWP	280	36
E-50-BN	191	42	E-75-SS	208	43	K-1775-IP	258	36
E-50-BN-EWP	191	42	E-75-SS-EWP	208	43	K-1775-IP-EWP	258	36
E-50-SS	191	42	E-75-WH	208	43	K-1775-BN-IP	258	36
E-50-SS-EWP	191	42	E-75-WH-EWP	208	43	K-1775-BN-IPEWP	258	36
E-50-WH	191	42	K-1205	183	37	VCAM-1	190	30
E-50-WH-EWP	191	42	K-1205-EWP	183	37	VCAM-1IR	190	30
E-65-BK	203	43	K-1705-3	159	36	VCAM-2-BN	190	30
E-65-BK-EWP	203	43	K-1705-3-EWP	159	36	VCAM-2-SS	190	30
E-65-BN	203	43	K-1705-3-BN	159	36	W-3005	181	35
E-65-BN-EWP	203	43	K-1705-3-BN-EWP	159	36	W-3005-EWP	181	35

High Resolution Color Video Camera in a Single Gang Box

- Wide 70° viewing angle
- Tilt and swivel adjustment
- Comes with **Enhanced Weather Protection** for outdoor installation
- Power supply included
- Replacement faceplates available: Stainless Steel (**PNL-VCAM-2-SS**) or Oil Rubbed Bronze (**PNL-VCAM-2-BN**)

Model	Finish	DOD#
VCAM-2-SS	Brushed Stainless Steel	190
VCAM-2-BN	Oil Rubbed Bronze	190
PNL-VCAM-2-SS	Brushed Stainless Steel	190
PNL-VCAM-2-BN	Oil Rubbed Bronze	190

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Compact Color Video Camera Kit

- Stainless steel mounting hardware
- Potted circuit board
- 12V DC adapter/wire connections
- Tilt and swivel adjustment
- IR illuminator compatible when using model **VCAM-1IR**

Model	DOD #
VCAM-1	190
VCAM-1IR	190

Designed, Manufactured and Supported in the USA!   Questions? Call: 715-386-8861

EWP Products Last Longer and Save Money!

Outdoor environments cause ordinary circuit boards to fail early. But **Viking's** Enhanced Weather Protection (EWP) products are weather-sealed with a thick protective coating that keeps the elements out. EWP is so effective that our early production models are still out in the field, working as well as the day they were installed - without a single service call. That was over a decade ago!

So, if you want to save money on your outdoor installations, invest a bit more up front in EWP. Just order **Viking** products with an EWP suffix. Then install it and forget it.

Features

- PCB completely sealed in an injection molded thermoplastic potting compound
- Sealed LED, push button switch and microphone connections
- Internally sealed push button switches, trim pots and dip switches
- Mylar speaker with foam gasket
- Closed cell foam gasketing to prevent water penetration
- Weatherproof connectors filled with anti-corrosive gel
- EWP products are designed to meet an Ingress Protection rating of IP66.

Tough and durable thermoplastic potting

Does my installation require Enhanced Weather Protection?

If you answer "yes" to one or more of the following statements, we recommend a **Viking** Emergency or Entry phone with EWP **(Enhanced Weather Protection).**

1. The product is located outside where it is exposed to precipitation or condensation.
2. The product is mounted near an indoor swimming pool or spa.
3. The product's wire runs use conduit which could funnel warm inside air to the product mounted outside, causing condensation on the circuit board.
4. The product is mounted in a location with a known corrosive atmosphere.
5. The product is mounted in a parking garage with vehicle exhaust.
6. The temperature of the product can get below the dew point.

Model	DOD #	Page
BLK-4-EWP	654	27
E-10A-EWP	210	42
E-10-IP-EWP	248	42
E-1600-02A-EWP	215	7
E-1600-02-IPEWP	255	7
E-1600-03B-EWP	215	6
E-1600-03-IPEWP	255	6
E-1600-20A-EWP	215	7
E-1600-20-IPEWP	255	7
E-1600-22-IPEWP	255	8
E-1600-30A-EWP	215	9
E-1600-30-IPEWP	255	9
E-1600-32-IPEWP	255	8
E-1600-45A-EWP	215	6
E-1600-45-IPEWP	255	6
E-1600-50A-EWP	215	8
E-1600-50-IPEWP	255	8
E-1600-52A-EWP	215	8
E-1600-52-IPEWP	255	8
E-1600-53-IPEWP	255	8
E-1600-55A-EWP	215	7
E-1600-55-IPEWP	255	7
E-1600-60A-EWP	215	6
E-1600-60-IPEWP	255	6
E-1600-65A-EWP	215	6
E-1600-65-IPEWP	255	6
E-1600A-AST2EWP	217	6
E-1600A-AST-EWP	217	6
E-1600A-BLT2EWP	217	6

Model	DOD #	Page
E-1600A-BLT-EWP	217	6
E-1600A-EWP	215	6
E-1600A-GT-EWP	218	7
E-1600AST2IPEWP	249	6
E-1600-ASTIPEWP	249	6
E-1600A-TP2-EWP	218	7
E-1600A-TP-EWP	218	7
E-1600BLT2IPEWP	249	6
E-1600-BLTIPEWP	249	6
E-1600-GT-IPEWP	255	7
E-1600-IP-EWP	255	6
E-1600-TP2IPEWP	255	7
E-1600-TP-IPEWP	255	7
E-20B-EWP	210	42
E-20-IP-EWP	248	42
E-30-EWP	212	9/42
E-30-IP-EWP	248	9/42
E-30-PT-EWP	214	9
E-32-IP-EWP	248	42
E-35-EWP	178	9
E-35-IP-EWP	251	9
E-40-BK-EWP	187	42
E-40-BN-EWP	187	42
E-40-SS-EWP	187	42
E-40-WH-EWP	187	42
E-50-BK-EWP	191	42
E-50-BN-EWP	191	42
E-50-SS-EWP	191	42
E-50-WH-EWP	191	42

Model	DOD #	Page
E-60-BK-EWP	206	43
E-60-BK-IP-EWP	250	43
E-60-BN-EWP	206	43
E-60-BN-IP-EWP	250	43
E-60-SS-EWP	206	43
E-60-SS-IP-EWP	250	43
E-60-WH-EWP	206	43
E-60-WH-IP-EWP	250	43
E-65-BK-EWP	203	43
E-65-BN-EWP	203	43
E-65-SS-EWP	203	43
E-65-WH-EWP	203	43
E-70-BK-EWP	207	43
E-70-BN-EWP	207	43
E-70-SS-EWP	207	43
E-70-WH-EWP	207	43
E-75-BK-EWP	208	43
E-75-BN-EWP	208	43
E-75-SS-EWP	208	43
E-75-WH-EWP	208	43
K-1200-EWP	182	37
K-1205-EWP	183	37
K-1700-3-BN-EWP	157	36
K-1700-3-EWP	157	36
K-1700-BN-IPEWP	253	36
K-1700-IP-EWP	253	36
K-1705-3-BN-EWP	159	36
K-1705-3-EWP	159	36
K-1705-BN-IPEWP	254	36

Model	DOD #	Page
K-1705-IP-EWP	254	36
K-1770-3-BN-EWP	275	36
K-1770-3-EWP	275	36
K-1770-BN-IPEWP	257	36
K-1770-IP-EWP	257	36
K-1775-3-BN-EWP	280	36
K-1775-3-EWP	280	36
K-1775-BN-IPEWP	258	36
K-1775-IP-EWP	258	36
K-1900-6-IP-EWP	363	13
K-1900-7-EWP	364	13
K-1900-7-IP-EWP	363	13
K-1900-8-EWP	362	13
K-1900-8-IP-EWP	361	13
PRX-1	221	38
PRX-2	219	38
PRX-3	228	38
PRX-4	199	38
SL-2-EWP	242	27
VCAM-1	190	30
VCAM-1IR	190	30
VCAM-2-BN	190	30
VCAM-2-SS	190	30
W-1000-EWP	170	35
W-2000A-EWP	170	35
W-3000-EWP	170	35
W-3005-EWP	181	35

Enclosures for Installing Products Outdoors

Added Protection for Viking Emergency Phones, Entry Phones, Doorboxes or Other Devices

The **VE-9x12** and **VE-9x20** provide the ultimate in weather protection for your **Viking** product or other telecom devices.

These enclosures are constructed of cast aluminum and are made for years of outdoor service. The heavy-duty aluminum doors are labeled "TELEPHONE" and have a gasket seal to keep out even the harshest weather. The **VE-9x12** allows you to choose from two panels that allow mounting many different **Viking** products.

Both the **VE-9x12** and **VE-9x20** are available in three high visibility colors: emergency red with silver lettering, safety yellow with red lettering, or black with silver lettering.

VE-9x20Y-0

The **VE-9x12(R/Y/B)-0** and **VE-9x20(R/Y/B)-0** are enclosures without adapter panel, ideal for mounting non-**Viking** products. These enclosures are available in all three colors and include a "Telephone" label.

VE-9x20Y   **VE-9x20R**   **VE-9x20B**

VE-9x12Y   **VE-9x12R**   **VE-9x12B**

Applications Include

- Parking Lots
- Playgrounds
- College Campuses
- Maintenance Areas
- Swimming Pools
- Roadside Help Areas
- Hospitals
- Building Exteriors
- Fueling Stations

VE-9x12R-0

Optional Accessories/Replacement Parts

VE-PBL: Push button lock and key set for any of the **VE-9x12** or **VE-9x20** enclosures.
VE-SPG: Hinge door return spring for use with the **VE-9x12** and **VE-9x20**. The **VE-9x20** includes a **VE-SPG**.
VE-9x12MK-1: Internal adapter panel 1 for the **VE-9x12**, see compatible products below.
VE-9x12MK-2: Internal adapter panel 2 for the **VE-9x12**, see compatible products below.
VE-9x20MK: Internal adapter panel for the **VE-9x20**.

Compatible Products

VE-9x12(R/Y/B)-0	VE-9x20(R/Y/B)-0	VE-9x12(R/Y/B)-1	VE-9x12(R/Y/B)-2	VE-9x20(R/Y/B)
Basic enclosure, no internal mounting panel included	Basic enclosure, no internal mounting panel included	E-20-**IP**	E-10-**IP**	K-1500-7
		E-20B	E-10A	K-1900-6-**IP**
		E-1600-**IP**	E-30	K-1900-7
		E-1600A	E-30-**IP**	K-1900-7-**IP**
		E-1600-03B	E-30-PT	K-1900-8
		E-1600-45A	E-32-**IP**	K-1900-8-**IP**
		E-1600-45-**IP**	E-35-**IP**	
		E-1600-60A	E-35	
		E-1600-60-**IP**	E-60-**IP**	
		E-1600-65A	E-60	
		E-1600-65-**IP**	E-1600-20-**IP**	
		K-1500P-W	E-1600-20A	
		K-1900W-2	E-1600-22-**IP**	
		W-2000A	E-1600-30-**IP**	
			E-1600-30A	
			E-1600-32-**IP**	
			W-1000	
			W-3000	
			W-3005	

Model	Description
VE-9x12(R/Y/B)-0	Outdoor Enclosure
VE-9x12(R/Y/B)-1	Outdoor Enclosure
VE-9x12(R/Y/B)-2	Outdoor Enclosure
VE-9x20(R/Y/B)-0	Outdoor Enclosure
VE-9x20(R/Y/B)	Outdoor Enclosure
VE-PBL	Push Button Lock
VE-SPG	Door Return Spring
VE-9x12MK-1	VE-9x12 Adapter Panel 1
VE-9x12MK-2	VE-9x12 Adapter Panel 2
VE-9x20MK	VE-9x20 Adapter Panel

R = Red
Y = Yellow
B = Black

For more information on any of the products on this page, see **DOD# 413**

VE-5x10

VE-6x7

VE-5x5

VE-3x5

Vandal Resistant Surface Mount Boxes

The **VE-Series** surface mount boxes add vandal and weather resistance, as well as versatility to many **Viking** products. The **VE-Series** boxes are available in black fine texture powder painted steel or marine grade 316 stainless steel. These weather resistant boxes are designed to be surface mounted to a wall, post, single gang box, or a gooseneck pedestal and are perfect for surface mounting a variety of **Viking** products. See **DOD# 424** for specifications and a list of compatible products.

VE-5x5-SS   VE-6x7-SS   VE-5x10-SS

Model	Description	DOD #
VE-3x5	Black Surface Mount Box	424
VE-5x5	Black Surface Mount Box	424
VE-6x7	Black Surface Mount Box	424
VE-5x10	Black Surface Mount Box	424

Model	Description	DOD #
VE-5x5-SS	Stainless Steel Surface Mount Box	424
VE-6x7-SS	Stainless Steel Surface Mount Box	424
VE-5x10-SS	Stainless Steel Surface Mount Box	424

Surface Mount Boxes with Panels

Viking's VE-PNL's are the perfect solution to the problem of mounting a switch, keypad or card reader to the outside of a building. Available in black fine texture powder painted steel or marine grade 316 stainless steel, the back box provides a durable enclosure suitable for most outdoor applications. The blank front panel is made from aluminum, making it easy to drill, cut or form for the required mounting arrangement. The panel is straight lined and coated with a tough clear powder coating to resist corrosion. Four screws and a gasket are included to make installation a snap.

VE-5x10-PNL

VE-6x7-PNL

VE-5x5-PNL

VE-5x5-PNL-SS   VE-6x7-PNL-SS   VE-5x10-PNL-SS

Model	Description	DOD #
VE-5x5-PNL	Black Box with Panel	424
VE-6x7-PNL	Black Box with Panel	424
VE-5x10-PNL	Black Box with Panel	424

Model	Description	DOD #
VE-5x5-PNL-SS	Stainless Steel Box with Panel	424
VE-6x7-PNL-SS	Stainless Steel Box with Panel	424
VE-5x10-PNL-SS	Stainless Steel Box with Panel	424

Illuminate Your Door or Emergency Phone

The **VE-LIGHT** kit adds bright LED illumination to any doorbox or entry phone that is housed in a **Viking VE-5x5**, **VE-6x7** or **E-1600A-BLT-EWP** surface mount box. The stainless steel bracket is easily mounted using existing holes and hardware.

VE-LIGHT shown alone below and in conjunction with the E-30 and VE-5x5 right

Model	DOD #
VE-LIGHT	428

Gooseneck Pedestals

The gooseneck pedestals are designed to be used with select **Viking VE-Series** surface mount boxes or **VE-PNL** surface mount panels. Ideal for drive up communications, the gooseneck pedestals are constructed of heavy duty black powder painted steel or stainless steel. Pad mount to a floor or concrete with 4 available bolt holes or use the **VE-GNP-IG** to mount in ground or wet cement.

72"
64"
42"
42"

Compatible with the following Viking products:			
• VE-5x5	• VE-5x5-SS	• VE-5x5-PNL	• VE-5x5-PNL-SS
• VE-6x7	• VE-6x7-SS	• VE-6x7-PNL	• VE-6x7-PNL-SS
• VE-5x10	• VE-5x10-SS	• VE-5x10-PNL	• VE-5x10-PNL-SS

Model	Description	DOD #
VE-GNP	42" Pad Mount Pedestal	424
VE-GNP-SS	42" Stainless Steel Pedestal	424
VE-GNP-IG	64" In-Ground Pedestal	424
VE-GNP-2	72" Double Pedestal	424
E-1600A-MK-GNP	VE-GNP Mounting Kit for **E-1600A** and **E-1600-IP**	227
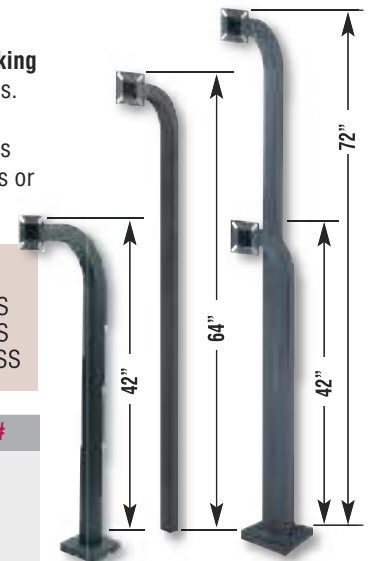
Door Bell Button Panel

- Fits any standard single gang box
- Panels are made from unbreakable plastic
- Weather resistant gasket included
- Screw terminals on button for easy wiring
- Use with the **Viking VE-3x5** enclosure for surface mounting

Model	Finish	DOD #
DB40-BN	Dark Brown	189
DB40-WH	Off-White	189

Off-White or
Dark Brown

Name Directories

Durable stainless steel finish is both economical and attractive. Easy to install with included hardware.

Model	# of Names (approx.)	DOD #
D6	6	158
D10	10	158
D22	22	158
D32	32	158
D44	44	158
D56	56	158

Replacement Faceplates

Update Your Viking Product to a New Faceplate Finish or Replace an Existing Damaged Faceplate

Replacement faceplates come in four different finishes and are coated with an extremely durable U.V. resistant powder paint designed for rugged outdoor use. Each faceplate comes with an LED light pipe and #6-32 x 1.25" flat head, 5/64" Hex drive, stainless steel screws with matching finish.

Model PNL40

Use with these Viking models:

E-40-BK	E-40-SS
E-40-BK-EWP	E-40-SS-EWP
E-40-BN	E-40-WH
E-40-BN-EWP	E-40-WH-EWP

Model	Finish	DOD #
PNL40-BK	Textured Black	188
PNL40-BN	Oil Rubbed Bronze	188
PNL40-SS	Stainless Steel	188
PNL40-WH	Satin White	188

Model PNL50

Use with these Viking models:

E-50-BK	E-50-SS
E-50-BK-EWP	E-50-SS-EWP
E-50-BN	E-50-WH
E-50-BN-EWP	E-50-WH-EWP

Model	Finish	DOD #
PNL50-BK	Textured Black	192
PNL50-BN	Oil Rubbed Bronze	192
PNL50-SS	Stainless Steel	192
PNL50-WH	Satin White	192

Model PNL60

Use with these Viking models:

E-60-BK	E-60-WH	E-60-SS-IP
E-60-BK-EWP	E-60-WH-EWP	E-60-SS-IP-EWP
E-60-BN	E-60-BK-IP	E-60-WH-IP
E-60-BN-EWP	E-60-BK-IP-EWP	E-60-WH-IP-EWP
E-60-SS	E-60-BN-IP	
E-60-SS-EWP	E-60-BN-IP-EWP	

Model	Finish	DOD #
PNL60-BK	Textured Black	209
PNL60-BN	Oil Rubbed Bronze	209
PNL60-SS	Stainless Steel	209
PNL60-WH	Satin White	209

Model PNL65

Use with these Viking models:

E-65-BK	E-65-SS
E-65-BK-EWP	E-65-SS-EWP
E-65-BN	E-65-WH
E-65-BN-EWP	E-65-WH-EWP

Model	Finish	DOD #
PNL65-BK	Textured Black	201
PNL65-BN	Oil Rubbed Bronze	201
PNL65-SS	Stainless Steel	201
PNL65-WH	Satin White	201

Model PNL70

Use with these Viking models:

E-70-BK	E-70-SS
E-70-BK-EWP	E-70-SS-EWP
E-70-BN	E-70-WH
E-70-BN-EWP	E-70-WH-EWP

Model	Finish	DOD #
PNL70-BK	Textured Black	200
PNL70-BN	Oil Rubbed Bronze	200
PNL70-SS	Stainless Steel	200
PNL70-WH	Satin White	200

Model PNL75

Use with these Viking models:

E-75-BK	E-75-SS
E-75-BK-EWP	E-75-SS-EWP
E-75-BN	E-75-WH
E-75-BN-EWP	E-75-WH-EWP

Model	Finish	DOD #
PNL75-BK	Textured Black	211
PNL75-BN	Oil Rubbed Bronze	211
PNL75-SS	Stainless Steel	211
PNL75-WH	Satin White	211

Door Entry and CCTV Camera Controller

Add One or Two Doorboxes to an Existing Phone Line and Provide CCTV Camera Control

The **C-1000B** allows single line phones or phone systems to share a phone line with one or two **Viking** doorboxes. The **C-1000B** provides two Touch Tone controlled relays to operate door strikes or gate openers and provides doorbox triggered CCTV camera switching. **Viking** doorboxes and paging amplifiers can be used on single line, residential or home office applications as well as on fully loaded systems, because they are no longer limited to installation on unused trunk ports.

- Allows two **Viking** doorboxes to share a single telephone line with a residential or business telephone system
- Doorbox triggered CCTV camera switching
- Custom ringing mode allows you to distinguish doorbox calls from C.O. calls
- Compatible with **Viking's** Single Line Paging Controllers, model **SLP-1** or **SLP-4** (page 20)
- Call waiting tones indicate which doorbox is calling and distinguish a doorbox call from a C.O. line call
- Calls can be placed on hold when visitors call from the doorbox

- Provides two touch tone controlled N.O. or N.C. dry relay contacts (5 Amp rating) for door strikes or gate openers
- Keyless entry / postal lock input
- Built-in talk battery for "No C.O. Line" applications
- Auxiliary contact output for doorbells, lights, etc.

Model	DOD #
C-1000B	168

Compatible with one or two of the following **Viking** doorbox models:	• W-1000 • W-2000A	• W-3000 • W-3005

Handsfree Doorboxes

Answer Your Door or Gate from the Safety of Any Phone in Your Home or Business

- Connect to a phone system's unused trunk input, FXO port or a **Viking C-1000B** controller (above)
- Blue call progress / night light LED (**W-1000** / **W-3000**)
- High output speaker amplifier with volume adjustment
- Microphone volume adjustment POT
- 24 Volt talk battery
- 20 Hz ring generator (6.0 REN ring load maximum)
- Selectable ring cadence: standard, double, short / short / long, or short / long / short
- Selectable number of rings: 2, 3, 10 or 30
- Selectable "Push-to-Talk" feature for noisy environments
- Operating temperature range: -15°F to 130°F

W-1000
Faceplate: Vandal resistant 12 gauge louvered aluminum with weather resistant black textured powder paint. Optional surface mount box available, model **VE-5X5** (page 33).

W-2000A
Chassis: Impact resistant, UV stable, light grey plastic with black UV stable pad printed graphics. Surface mount only.

W-3000
Faceplate: Vandal resistant 14 gauge louvered 316 marine grade stainless steel with #4 brushed finish and laser etched graphics. Optional **VE-5X5** surface mount box available (page 33).

Model	DOD #	EWP
W-1000	170	
W-2000A	170	Available
W-3000	170	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Viking's handsfree doorboxes are available in three different chassis configurations and are designed to interface directly with an unused analog telephone line input of a phone system. One or two doorboxes can also share an existing phone line when used with a **C-1000B** doorbox controller. When the "Call" button is pressed, the doorbox generates a standard or custom ring cadence.

Handsfree Video Doorbox

- Built-in high resolution color video camera with wide viewing angle and tilt / swivel adjustments
- Audio and video transmission on one Cat-5e cable
- For additional features, see model **W-3000** (above)
- 14 gauge louvered 316 marine grade stainless steel faceplate, screws and heavy duty "Call" button
- Optional **VE-5X5** surface mount box available (page 33)

Model	DOD #	EWP
W-3005	181	Available

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Vandal Resistant Handsfree Entry Phones with Built-In Keypads

- Available with Analog or **VoIP** Interface
- Available in two finishes: Brushed Stainless Steel or Oil Rubbed Bronze (BN)
- All models available with **Enhanced Weather Protection** (EWP)

- Blue "Call/Status" LED indicator
- Flush mount with the included zinc plated steel rough-in box
- Surface mount with an optional **VE-6x7** surface mount box (Page 33)

Vandal Resistant Features:
- 14 gauge louvered 316 stainless steel faceplate
- Permanent laser etched graphics
- Stainless steel "Call" button and heavy duty keypad
- T-10 Torx security mounting screws

Analog Features and Operation

- Telephone line powered
- Can be connected to CO line, analog PABX station, or FXS port
- Advanced call progress detection: disconnects on busy signal, return to dial tone, CPC, reorder tone, maximum call time out, and 40 second silence time out
- Selectable auto-answer feature for monitoring
- Selectable push button disconnect
- Adjustable microphone and speaker volume
- Optional **VE-6x7** Surface Mount Box available (page 33)
- Programmable VOX (mic/speaker) switching speed

Compatible Viking Controllers:

- C-500 (pg 41)
- C-2000B (pg 41)
- C-3000 (pg 37)
- C-4000 (pg 37)
- K-1900-3 (pg 37)
- SRC-1 (pg 40)

VoIP Features and Operation

- Two sets of 2 Amp relay contacts for door or gate control
- SIP compliant and PoE powered (class 2, <6.5 Watts)
- Automatic Noise Canceling (ANC) feature
- **VoIP** eliminates the need for "Push to Talk" mode
- Network downloadable firmware
- Programmable to speed dial up to 250 numbers
- Cycles to roll over phone number on busy or no-answer
- Program up to 1,000 keyless entry codes and/or proximity card numbers
- Keyless entry codes and proximity card numbers can be programmed to only allow access at specific times and day of week
- Event logging with time and date stamp
- Hangs up on busy signal, time-out, or touch tone command
- Remotely programmable
- Volume adjustments for microphone and speaker

Built-in Controller

Entry Phone

For Analog and VoIP Features and Operation refer to section above

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Analog Model	Finish	DOD#	EWP
K-1700-3	Stainless Steel	157	Available
K-1700-3-BN	Oil Rubbed Bronze	157	

VoIP Model	Finish	DOD#	EWP
K-1700-IP	Stainless Steel	253	Available
K-1700-BN-IP	Oil Rubbed Bronze	253	

Video Entry Phone

For Analog and VoIP Features and Operation refer to section above
Built in color composite video camera with 420 lines of resolution and wide 70° viewing angle.

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Analog Model	Finish	DOD#	EWP
K-1705-3	Stainless Steel	159	Available
K-1705-3-BN	Oil Rubbed Bronze	159	

VoIP Model	Finish	DOD#	EWP
K-1705-IP	Stainless Steel	254	Available
K-1705-BN-IP	Oil Rubbed Bronze	254	

Entry Phone with Proximity Card Reader

For Analog and VoIP Features and Operation refer to section above
Built in 125KHz compatible 26-bit Wiegand proximity card reader

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Analog Model	Finish	DOD#	EWP
K-1770-3	Stainless Steel	275	Available
K-1770-3-BN	Oil Rubbed Bronze	275	

VoIP Model	Finish	DOD#	EWP
K-1770-IP	Stainless Steel	257	Available
K-1770-BN-IP	Oil Rubbed Bronze	257	

Video Entry Phone with Proximity Card Reader

For Analog and VoIP Features and Operation refer to section above
Built in color composite video camera and 125KHz compatible 26-bit Wiegand proximity card reader

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Analog Model	Finish	DOD#	EWP
K-1775-3	Stainless Steel	280	Available
K-1775-3-BN	Oil Rubbed Bronze	280	

VoIP Model	Finish	DOD#	EWP
K-1775-IP	Stainless Steel	258	Available
K-1775-BN-IP	Oil Rubbed Bronze	258	

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12 Button Apartment Entry Phone with Built in Door Strike Relay

- **Calling a tenant is as easy as pressing a single button**
- **50 Keyless Entry Codes**

The **K-1200** Entry Phone is a two way, hands free telephone with 12 buttons for calling individual residences in an apartment building. The rugged marine grade 316 stainless steel faceplate has a printed directory housed in a waterproof plastic lens. Each button is beside the tenant's name in the directory, so there are no confusing codes to deal with. The **K-1200** has a built in speed dialer that can handle up to 12 primary phone numbers, each with 22 digits. If there is no answer at the first number, a second number such as a tenant's cell phone can be called automatically. Once the tenant answers their phone, a single touch tone command can activate the built in door strike relay. Power supply included.

Model	DOD #	EWP
K-1200	182	Available
K-1205	183	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

K-1200 shown in optional **VE-5x10-SS** surface mount box (page 33)

**K-1205** shown in optional **VE-5x10-SS** surface mount box (page 33)

Apartment / Office Door Entry 250 Number Dialer

- **Programmable keyless entry code for each apartment or office**
- **Output for external data logging**
- **"Buzz" the visitors in from your phone**
- **Non-volatile E^2 memory (no batteries required)**
- **Also provides 5 additional keyless entry codes for management, maintenance, etc.**

Use with:	K-1775-3
K-1700-3	K-1900-8
K-1705-3	or any touch
K-1770-3	tone phone
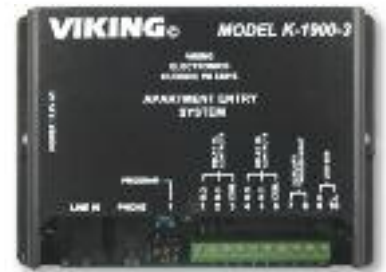
Model **K-1900-3** allows the visitor to enter 1 to 3 digits on a Touch Tone phone located in the entry way. The **K-1900-3** then dials the associated apartment. After conversing with the visitor, the tenant can "Buzz" them in by dialing a 1 or 2 digit code on their Touch Tone phone. An adjustable timed relay closure is provided for gate openers or door strikes. DPDT 5 Amp relay contacts are provided. The **K-1900-3** can be programmed remotely using a Touch Tone phone or locally from the entry phone. Power supply included.

Model	DOD #
K-1900-3	312

No C.O. Line Entry System for 12 Apartments / Offices

- **Functions with or without tenant C.O. lines**
- **Expands to 96 apartments by adding more C-3000's (each C-3000 adds 12 additional apartments)**

Eliminates the monthly expenses of an entry phone line and CO "call waiting" feature on tenant's lines. Connect a front and rear touch tone entry phone. The **C-3000** rings the tenant's phone or provides call waiting tones. The tenant can "Buzz" the visitor in from their touch tone phone via the front and rear door strike contacts. Power supply included.

Use with:	K-1705-3
AES-2000	K-1770-3
AES-2005	K-1775-3
K-1200	K-1900-8
K-1205	or any touch
K-1700-3	tone phone

Model	DOD #
C-3000	162

---

4 Door Keyless or PRX Card Entry System for Up To 250 Tenants

- Connect up to four Touch Tone Entry Phones
- Requires an analog PABX, CO line or FXS port to call tenants
- Supports 4 Wiegand keypad or card readers
- **RS-232** port for programming
- "Buzz" visitors in from tenants phone – N.O. & N.C. contacts
  - Output for external logging
  - Program locally or remotely
  - Provides toll restriction - can allow 911 and 311 calls
  - Power supply included

Use with:	K-1775-3
K-1700-3	K-1900-8
K-1705-3	or any touch
K-1770-3	tone phone

Model	DOD #
C-4000	164

125 KHz Proximity Card Reader

- Standard 26-bit Wiegand interface
- Potted PCB for **Enhanced Weather Protection** (page 31)
- Pigtail connection for indoor and outdoor applications
- Black and ash (off white) covers included

Model	DOD #
PRX-1	221

Stand-Alone Keyless Entry System

- 1 door with up to 250 users
- Use with a Card Reader or Keypad
- Standard 26-bit Wiegand interface
- Program with a touch-tone phone
- Output for data logging

Model	DOD #
ES-1	193

- Power supply included
Also see **C-4000** (Page 37)

Keypad with Built-in 125 KHz Proximity Card Reader

Model **PRX-2** is equipped with **Enhanced Weather Protection** (page 31) and mounts directly to a standard single gang box. Both the card reader and keypad transmit 26-bit Wiegand format data, and the keypad features blue backlighting. Black and ash (off-white) covers included.

Model	DOD #
PRX-2	219

125 KHz Proximity Cards

- No magnetic strip to wear out – no batteries
- Credit card size, neckband slot on **PRX-C**
- New thinner, more flexible **PRX-C-ISO**
- No minimum quantities

Model	DOD #
PRX-C	198
PRX-C-ISO	198

16" Range Proximity Card Reader

Model **PRX-3** permits reading standard 125 KHz proximity cards up to 16 inches from the reader. It is ideal for parking control, gate access, turnstiles, or any application requiring a longer read range. The **PRX-3** provides data in the standard 26-bit Wiegand format.

The **PRX-3** is equipped with **Enhanced Weather Protection** (page 31) for outdoor installations. Install alone or with **Viking** Door Entry phones on **VE-GNP** pedestals. Power supply included.

Model	DOD #
PRX-3	228

125 KHz Proximity Key Fob

- Attach to a key chain or neckband
- Compact size: 1.5 x 1.2 x 0.15 inches
- Durable - it can withstand the washing machine
- Read up to 2" with **PRX-1** or 8" with **PRX-3**
- No minimum quantities

Model	DOD #
PRX-FOB	198

Wiegand Keypad

- Slender aluminum housing for mullion mounting
- Pigtail leads
- Beeper and LEDs show status
- 26-bit Wiegand interface
- Potted PCB for **Enhanced Weather Protection** (page 31)
- Dimensions: 7.1" x 1.7" x 0.5"

Model	DOD #
PRX-4	199

Mounting Kits for VE-GNP Pedestals

PRX-3-MK-GNP for mounting **PRX-3** alone

PRX-3-MK-VEGNP for mounting **PRX-3** plus a **VE-5x5, VE-6x7,** or **VE-5x10**

PRX-3-MK-GNP

Model	DOD #
PRX-3-MK-GNP	229
PRX-3-MK-VEGNP	229

PRX-3-MK-VEGNP

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Accessible Entry System

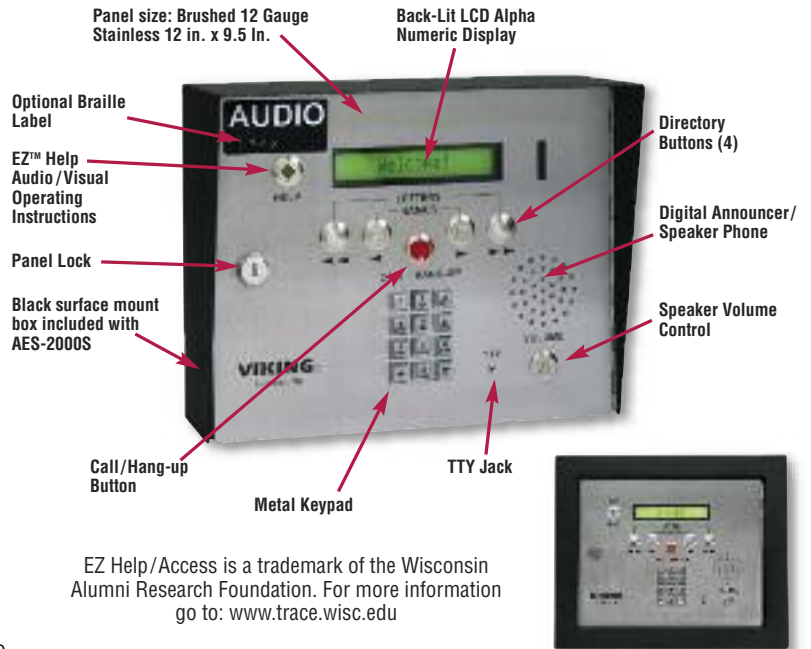### Usable by people with sensory and physical impairments

The Accessible Entry System is a hands-free phone with a built in auto-dialer, which will allow access to apartment / office buildings by using existing public telephone lines. In order to assist people of varying abilities, the "directory" is displayed on the LCD screen and an audible announcement is played.

The system is housed behind a marine grade 316 stainless steel panel with metal keypad and control buttons. Power supply included.

Features:
- Supports up to 525 tenant names and phone numbers
- Data logging via the **PB-100**
- Non-volatile memory
- Door strike contacts
- Postal lock input
- Remote recording and programming
- Designed to help meet ADA requirements
- Model **AES-2005** also features a built-in high resolution color video camera, see page 30 for camera information
- **PB-100** required for programming (see below)

Model	Description	DOD #
AES-2000S	Surface Mount Entry System	202
AES-2000F	Flush Mount Entry System	202
AES-2005S	Surface Mount Video Entry System	204
AES-2005F	Flush Mount Video Entry System	204
ERAM-4M	Expansion Memory	854

Panel size: Brushed 12 Gauge Stainless 12 in. x 9.5 In.
Back-Lit LCD Alpha Numeric Display
Optional Braille Label
EZ™ Help Audio / Visual Operating Instructions
Panel Lock
Black surface mount box included with AES-2000S
Call / Hang-up Button
Metal Keypad
TTY Jack
Directory Buttons (4)
Digital Announcer / Speaker Phone
Speaker Volume Control

EZ Help / Access is a trademark of the Wisconsin Alumni Research Foundation. For more information go to: www.trace.wisc.edu

AES-2000F Flush Mount (Mounting bezel and back box included)

Applications:
- Apartment / Office Buildings
- Assisted Living Residences
- Nursing Homes
- Hospitals
- Public Housing
- Models **AES-2005S** and **AES-2005F** come with a built-in color composite video camera (see page 30 for camera specifications)

Add Up To 32 Access Entry Points To Viking's Accessible Entry System

Up to 32 additional points of entry may be added to **Viking's** model **AES-2000** Accessible Entry System. One **ES-3**, one Wiegand device and a door strike or magnetic lock of your choice is required for each additional entry point. Power supply included.

Model	DOD #
ES-3	195

P.C. to Phone Line Interface / Controller

- **Windows compatible software included**
- **Remote Programming of AES-2000 Entry System** (above)
- **Hotel / Motel wake up application on the CD ROM**
- **Emergency phone polling / programming application**

The **PB-100** connects to a serial or USB port on your P.C. and also to an analog phone line. The **PB-100** accepts ASCII commands to seize the phone line, watch for busy, and to send and receive Touch Tones or data. If the P.C. is equipped with a sound card, the audio input and output can be coupled to the phone line. CD ROM is included with programs to do emergency phone polling, **AES-2000** programming, hotel / motel wake up dialer or design your own voice announcer, message center, etc. Power supply included.

Model	DOD #
PB-100	232

Secure Remote DTMF Controller

The **SRC-1** enables a standard touch tone phone to securely operate a set of timed 5 Amp relay contacts to control a door strike or gate controller from a remote location. The **SRC-1** is fully user programmable and uses non-volatile memory. The **SRC-1** eliminates the possibility of dialing the activation code through the entry phone using a hand held touch tone dialer. The **SRC-1** features switchable 32 Volt talk battery to allow use with any of **Viking's** Entry Phones and Doorboxes. A postal lock input is provided. Power supply included.

Model	DOD #
SRC-1	176

Remote DTMF Controller for a Single Relay

- **Programmable access code**
- **Normally open or normally closed relay**
- **Selectable relay operation times**
- **Easy installation**

The **RC-2A** provides remote relay operation from any standard Touch Tone telephone. The controller is designed to be installed either locally or remotely. For local installations the **RC-2A** can be installed in parallel on any analog communications path, such as analog C.O. lines or analog PABX/KSU stations and will passively monitor for Touch Tone commands. For off-premise applications, the **RC-2A** will answer analog C.O. lines or PABX/KSU stations after a selectable ring delay. A field programmable access code can be programmed to prevent unauthorized usage, and then the **RC-2A** can be activated to allow remote relay operation. Power supply included.

Model	DOD #
RC-2A	160

Remote DTMF Controller for 3 Relays

- **Operational commands can be customized 1, 2 or 3 digits in length**
- **Relay interrogation tones**
- **Programmable relay timed closures**
- **Cascade up to three RC-3 units to control up to nine relays**

The **RC-3** enables a standard Touch Tone phone to control up to 3 maintained ON, maintained OFF, or momentary relay contacts from a remote location. The **RC-3** is fully user programmable and uses non-volatile E^2 memory. Up to three **RC-3's** can be daisy chained on the same line to control up to nine relays. The **RC-3** features switchable 32V talk battery allowing easy installation on a trunk port. In addition, the unit can be connected directly to a C.O. line or analog PABX/KSU station. Power supply included.

Model	DOD #
RC-3	165

Network Enabled Relay Controller

- Notification by email or text message of sensor input state change
- Can be used as a secure remote relay for Viking VoIP phones
- Ready-to-use webpage control interface
- Encrypted login
- Relay names, input names, and input status can be customized on webpage

The **RC-4A** Network Enabled Relay Controller provides networked control of four relays via an easy-to-use web interface. The same interface can be used to check the status of four contact closure inputs. Relays can be toggled on or off, or user-programmed timed closures can be activated. The **RC-4A** can be configured to work as a remote relay for **Viking VoIP** series phones, controlling door strikes and gates when a remote relay is required for security reasons. It can also be programmed to send an email or text message in response to a change in one or more of the sensor inputs. Two **RC-4A's** can be set up so that activity on a sensor input of one unit will automatically activate one of the relays on the other unit. Power supply included.

Model	DOD #
RC-4A	582

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Single Entry Phone Interface

Allows Your House Phones or Phone System to Share a Phone Line with one Viking Entry Phone

The **C-200** allows a single line telephone or a telephone system to share a phone line with a single **Viking** Entry phone. When a visitor presses the call button on the entry phone, the resident's phone rings. The resident can now answer and converse with the visitor prior to manually allowing entry. If you are on a call, the **C-200** provides a "Call Waiting" tone. The resident can "hook flash" which puts the call on hold while he converses with the visitor. Power supply included.

Model	DOD #
C-200	169

Compatible with Viking Analog Entry Phones or any Analog Phone

Single Entry Phone Controller With Call Forwarding and Door Strike Control

• 5 Amp door strike or gate opener contact
• Immediate call forward mode
• Built in 5 number dialer, 1- 20 digit
• No CO mode

The **C-250** allows single line phones or a phone system to share a phone line with a **Viking** entry phone. When the entry phone initiates a call, the **C-250** provides a double ring. If you are on a call the controller provides call waiting tones. You can place the existing call on hold, talk to the visitor, then return to the original caller. Buzz the visitor in with a 1 or 2 digit touch tone command. The **C-250** allows tenants to monitor the entry phone and has a postal lock input. Power supply included.

Model	DOD #
C-250	172

Compatible with Viking Analog Entry Phones or any Analog Phone

Advanced Two Door Entry Phone Controller with Call Forwarding and Door Strike Control

• No CO mode
• Analog station mode
• Immediate call forward mode
• 6 keyless entry codes per door
• Programmable caller ID
• Expandable to 4 controllers for up to 8 entry phones

The **C-500** allows single line phones or a phone system to share a phone line with two **Viking** entry phones. When the entry phone initiates a call, the **C-500** provides distinctive ring. If you are on a call the controller provides call waiting tones. You can place the existing call on hold, talk to the visitor, then return to the original caller. Buzz the visitor in with a 1 or 2 digit touch-tone command. The **C-500** allows tenants to monitor either phone, has two trigger inputs, 5 Amp door strike or gate opener contacts and programmable entry phone caller ID. Power supply included.

Model	DOD #
C-500	177

Compatible with Viking Analog Entry Phones or any Analog Phone

Advanced Door/Gate and Entry Phone Controller for up to 4 Locations

• Analog station dial through mode for apartment/office entry applications
• Provides 6 different keyless entry codes per door and 6 master codes (use at any door)
• Codes can be set as permanent or "1 time" use
• Provide 4 unique CD quality door chimes plus whole house paging when used with the SLP-4 (page 20)

Answer and open up to 4 doors or gates from your nearest phone. The **C-2000B** can provide a double ring and/or caller ID to indicate which entry phone is calling. If you are on a call the controller provides call waiting tones and caller ID. You can place the existing call on hold, talk to the visitor, then return to the original caller. The unit can ring up to 16 existing phones. Programmable "Privacy Number" eliminates prank calls. The **C-2000B** allows the user to monitor any entry phone with auto answer capability. Add proximity card entry with **Viking** model **ES-1** and **PRX-1** (Page 38). Power supply included.

Model	DOD #
C-2000B	156

Compatible with Viking Analog Entry Phones or any Analog Phone

Entry Phones

- **Available with Analog or VoIP Interface**
- **Convenient Handsfree Communication**
- **All models available with Enhanced Weather Protection (EWP)**
- Optional **VE-5x5** surface mount box (page 33) available for flush mount models shown to the right

E-10A / E-10-IP
Flush Mount Black
Powder Painted Aluminum

E-20B / E-20-IP
Surface Mount UV Stable
Plastic Chassis

E-30 / E-30-IP
Flush Mount Brushed
316 Stainless Steel

E-32-IP
Flush Mount Brushed
316 Stainless Steel

Analog Features and Operation

- Telephone line powered
- Can be connected to CO line, analog PABX station, or FXS port
- Intelligent call progress detection for automatic hang-up on CPC, silence, busy signal, or time out
- Alternate action call button to place or cancel a call
- Adjustable microphone and speaker volume
- Programmable maximum call length
- Selectable auto-answer feature allows remote monitoring
- Two way handsfree communication
- Programmable VOX (mic / speaker) switching speed
- Compatible Viking controllers: **C-200** (pg 41), **C-250** (pg 41), **C-500** (pg 41), **C-2000B** (pg 41), and **SRC-1** (pg 40)

VoIP Features and Operation

- 2 Amp relay contacts for door or gate control
- SIP compliant and PoE powered (class 1, <4 Watts)
- Automatic Noise Canceling (ANC) feature
- **VoIP** eliminates the need for "Push to Talk" mode
- Network downloadable firmware
- Handsfree operation
- Programmable to dial up to 5 numbers on busy or ring no answer
- Hangs up on busy signal, time-out or touch tone command
- Remotely programmable
- Volume adjustments for microphone and speaker

Analog Model	DOD #	EWP
E-10A	210	
E-20B	210	Available
E-30	212	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

VoIP Model	DOD #	EWP
E-10-IP	248	
E-20-IP	248	Available
E-30-IP	248	
E-32-IP	248	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Single Gang Analog Entry Phones

For Analog Features and Operation refer to section above

- Vandal resistant 18 gauge 304 stainless steel faceplate
- Blue LED helps locate the push button, as well as indicate ringing and off-hook
- Compact size for flush mounting in a single gang box: 4.87"H x 3.12"W x 1.7"D
- Surface mount with an optional **VE-3x5** surface mount box (Page 33)
- Replacement faceplates available in all finishes (Page 34)

Four Finishes Available
Stainless Steel
finish shown right

Oil Rubbed Bronze

Satin White

Textured Black

Model	Finish	DOD #	EWP
E-40-SS	Stainless Steel	187	
E-40-BN	Oil Rubbed Bronze	187	Available
E-40-WH	Satin White	187	
E-40-BK	Textured Black	187	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Single Gang Analog Video Entry Phones

For Analog Features and Operation refer to top of this page

- Built in color composite video camera with 420 lines of resolution (Page 30)
- Audio and video transmission on one Cat-5e cable (150 ft. maximum video)
- Compact size for flush mounting in a single gang box: 4.87"H x 3.12"W x 1.7"D
- Surface mount with an optional **VE-3x5** surface mount box (Page 33)
- Camera power supply included

Four Finishes Available
Stainless Steel
finish shown right

Oil Rubbed Bronze

Satin White

Textured Black

Model	Finish	DOD #	EWP
E-50-SS	Stainless Steel	191	
E-50-BN	Oil Rubbed Bronze	191	Available
E-50-WH	Satin White	191	
E-50-BK	Textured Black	191	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

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Double Gang Analog and VoIP Entry Phones

For Analog and VoIP Features and Operation refer to top of page 42
- Vandal resistant 18 gauge 304 stainless steel faceplate
- Blue LED helps locate the push button, as well as indicate ringing and off-hook
- Sized to flush mount in a standard double gang box: 4.87" x 4.94" x 1.7"
- Surface mount with an optional **VE-5x5** surface mount box (Page 33)
- Replacement faceplates available in all finishes (Page 34)

Four Finishes Available

Oil Rubbed Bronze
Satin White
Textured Black

Stainless Steel finish shown

Analog Model	DOD #	EWP
E-60-SS	206	
E-60-BN	206	Available
E-60-WH	206	
E-60-BK	206	

VoIP Model	DOD #	EWP
E-60-SS-IP	250	
E-60-BN-IP	250	Available
E-60-WH-IP	250	
E-60-BK-IP	250	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Double Gang Analog Video Entry Phones

For Analog Features and Operation refer to top of page 42
- Built in color composite video camera with 420 lines of resolution (Page 30)
- Audio and video transmission on one Cat-5e cable (150 ft. maximum video)
- Sized to flush mount in a standard double gang box: 4.87" x 4.94" x 1.7"
- Surface mount with an optional **VE-5x5** surface mount box (Page 33)
- Camera power supply included

Four Finishes Available

Oil Rubbed Bronze
Satin White
Textured Black

Stainless Steel finish shown

Analog Model	Finish	DOD #	EWP
E-65-SS	Stainless Steel	203	
E-65-BN	Oil Rubbed Bronze	203	Available
E-65-WH	Satin White	203	
E-65-BK	Textured Black	203	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31
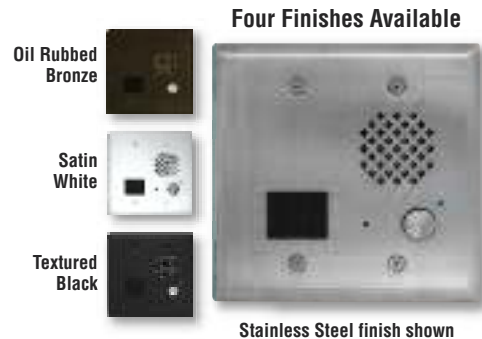
Double Gang Analog Entry Phones with Integrated Proximity Card Reader

For Analog Features and Operation refer to top of page 42
- Built in 125KHz compatible 26-bit Wiegand proximity card reader (see page 38 for other proximity card compatible products)
- Sized to flush mount in a standard double gang box: 4.87" x 4.94" x 1.7"
- Surface mount with an optional **VE-5x5** surface mount box (Page 33)
- Replacement faceplates available in all finishes (Page 34)

Four Finishes Available

Oil Rubbed Bronze
Satin White
Textured Black

Stainless Steel finish shown

Analog Model	Finish	DOD #	EWP
E-70-SS	Stainless Steel	207	
E-70-BN	Oil Rubbed Bronze	207	Available
E-70-WH	Satin White	207	
E-70-BK	Textured Black	207	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Double Gang Analog Video Entry Phones with Integrated Proximity Card Reader

For Analog Features and Operation refer to top of page 42
- Built in color composite video camera with 420 lines of resolution (Page 30)
- Audio and video transmission on one Cat-5e cable (150 ft. maximum video)
- Built in 125KHz compatible 26-bit Wiegand proximity card reader
- Sized to flush mount in a standard double gang box: 4.87" x 4.94" x 1.7"
- Surface mount with an optional **VE-5x5** surface mount box (Page 33)

Four Finishes Available

Oil Rubbed Bronze
Satin White
Textured Black

Stainless Steel finish shown

Analog Model	Finish	DOD #	EWP
E-75-SS	Stainless Steel	208	
E-75-BN	Oil Rubbed Bronze	208	Available
E-75-WH	Satin White	208	
E-75-BK	Textured Black	208	

What is EWP? When installing Viking products outdoors, always use the EWP version, see page 31

Viking Electronics, Inc.
1531 Industrial Street
Hudson, Wisconsin 54016

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Outside of the USA and Canada contact:
Viking International: +1-715-386-3794
Email: vikinginternational@vikingelectronics.com

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NEW SIP Loud Ringer page 19

NEW Networked Clock Controlled Tone/Message Generator page 21

NEW Analog and VoIP Emergency Panel Phones page 7

NEW Analog and VoIP Entry Phone Systems page 36

NEW Network Enabled Relay Controller page 40

NEW Analog and VoIP Entry Phone Systems page 36

NEW VoIP Emergency Phones pages 4-9

NEW VoIP Panel Phones page 13

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Call: 715-386-8861
Email: info@vikingelectronics.com
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