

Telecommunication Peripheral Products

## ***Technical Practice***

**DLE-200B**

Two Way Phone  
Line Simulator

June 22, 1998

### **Two Way Phone Line Simulator Ideal for Intersystem Communication and Demos**

The **DLE-200B** Line Simulator produces two way communication between standard telecom products such as modems, fax machines, Key Systems, PABX's and standard single line telephones. The Line Simulator can also provide sales people with a cost effective, easy to use method of conducting on site demonstrations, eliminating the need to locate phone lines and disrupt the customer's phone service.



The **DLE-200B** Line Simulator provides DC talk battery and standard or distinctive ringing. The unit also provides simulated dial tone and a CPC break on hang up.

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

***E-mail...[Sales@VikingElectronics.com](mailto:Sales@VikingElectronics.com)***

### **Features**

- Compatible with fax machines and modem speeds up to 28.8 kbps
- 32VDC talk battery
- Switch selectable ring cadence
- Provides 150ms CPC breaks after hang-up on either port
- Switch selectable audio attenuation
- Provides 2 seconds of 500 Hz dial tone after off-hook
- Provides ring back signal to calling device
- One or two way ring down capability
- Jumper selectable ring count

***Sales...(715) 386-8861***

***Made in the U.S.A.***

### **Applications**

- Dedicated point-to-point communications (ringdown circuits)
- Programming PC based voice products
- Connecting dictaphone equipment to Electronic Key Systems
- Intersystem TIE line
- Courtesy phones
- Demonstrating telecom equipment at trade shows, meetings, etc.
- Connecting modems together

### **Specifications**

**Power:** 120V AC/13.8V AC 1.25A, UL listed adapter provided

**Dimensions:** 120mm x 70mm x 35mm (4.75" x 2.75" x 1.38")

**Shipping Weight:** .72 kg (1.59 lbs)

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

**Ringer Output:** 2.0 REN load

**Loop Length:** 4.2 km (2.6 miles) maximum - 24 AWG twisted pair

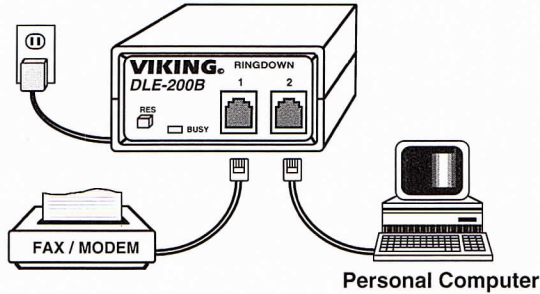
**Maximum Data Speed:** 28,800 bps

**Connections:** (2) RJ11 jacks

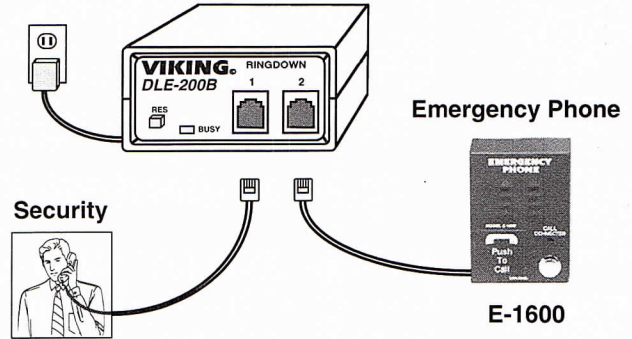


# Installation/Applications

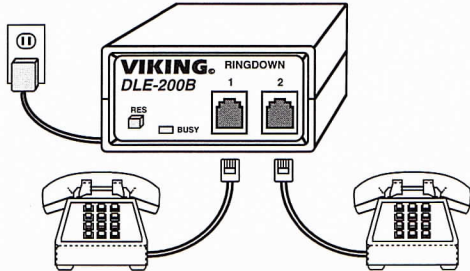
## A. Demonstrations



## C. Emergency Applications



## B. Ringdown Applications



**Note:** In fax/modem applications it may be necessary to attenuate the audio (reduce the volume level). This is accomplished by moving **Switch 3** to the ON position.

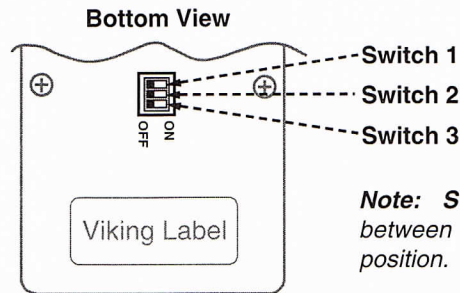
**Important:** A surge protector is recommended. The **DLE-200B** is NOT protected from power surges.

# Programming

Several features can be set by changing switch settings on the bottom of the **DLE-200B** or by clipping internal jumpers. The **DLE-200B** is shipped for standard applications with all features enabled.

## A. Dip Switch Programming

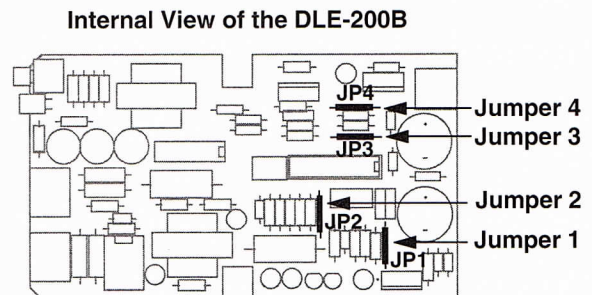
Sw 1	Sw 2	Ringling Cadence
ON	ON	Long-Long
OFF	ON	Short-Short-Long
ON	OFF	Short-Long-Short
OFF	OFF	2 sec. on-4 sec. off



**Note:** **Switch 3** attenuates audio volume between devices by 9 dB when in the ON position.

## B. Internal Jumpers

Jumper	Clipping these jumpers will have the following effects:
1	Eliminates the CPC break
2	Enables only 5 rings (normal - ring until answer)
3	One-way ringdown circuit. Rings from device 1 to device 2 only
4	Eliminates the 2 seconds of simulated dial tone



**Product Support Line...(715) 386-8666**

**Fax Back Line...(715) 386-4345**

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