

VIKING

Viking Electronics Inc.
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Telecommunication Peripheral Products

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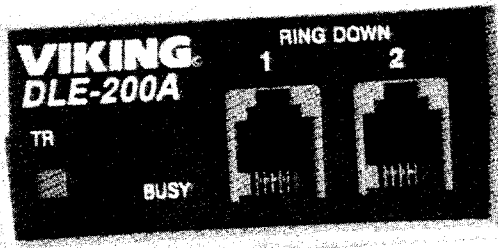
**Technical
Practice**

ITEM: 2-Way Ringdown
Circuit

MODEL: DLE-200A

ISSUE: July, 1993

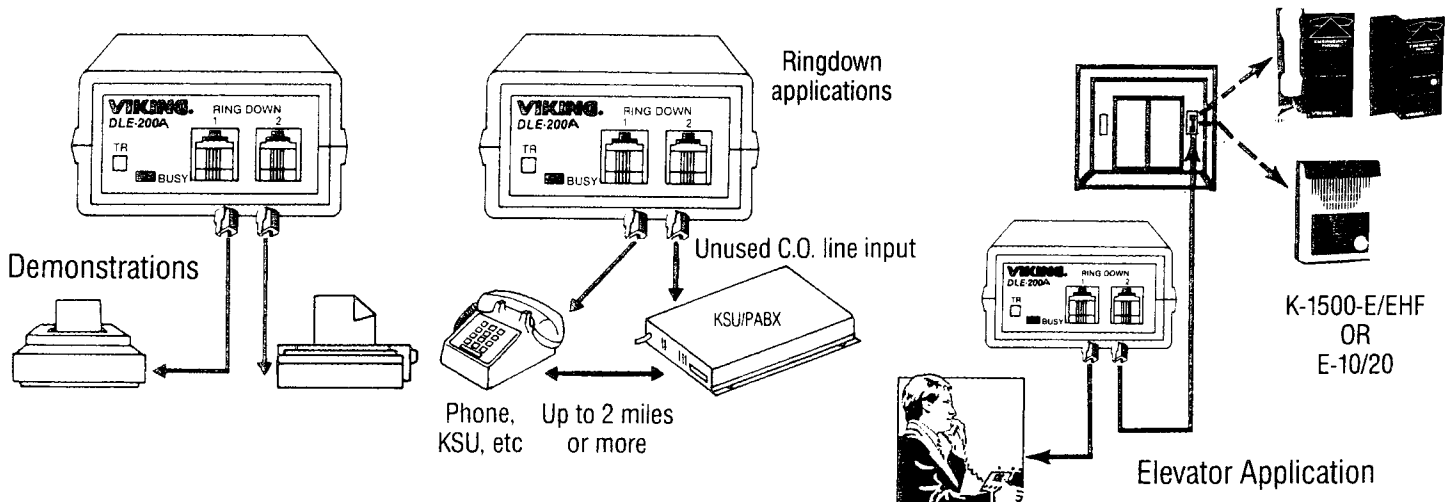
Two-Way Ringdown Circuit-Ideal For Intersystem Communication And Demos



The **DLE-200A** allows two-way communication between most standard telecom products such as modems, fax machines, Key Systems, PABX's and standard single line telephones. Provides sales people with a cost-effective, easy-to-use method of conducting on-site demonstrations. The **DLE-200A** eliminates the need to

locate phone lines and disrupt the customer's phone service.

The **DLE-200A** provides 32V DC talk battery and standard 2 seconds on, 4 seconds off interrupted 20 Hz ringing. In addition, 3 other distinctive ringing cadences are provided. The unit also provides a simulated dial tone, and a 150ms CPC break whenever either device hangs up.



SPECIFICATIONS

RINGER OUTPUT:	2.0 REN Load
MAXIMUM LOOP LENGTH:	24 gauge 14,000 ft.
POWER:	13.8V AC UL Listed Power Supply Provided
ENVIRONMENTAL:	32°F to 90°F, 0°C to 40°C 5% to 95% non-condensing humidity
WEIGHT:	2 lbs. (shipping)
DIMENSIONS:	4¾" X 2¾" X 1¾"

APPLICATIONS

- Connecting Dictaphone or Dialogic Equipment to Electronic Key Systems
- Intersystem "TIE" line
- Courtesy Phones
- Trade Shows
- Demonstrating the distinctive ring detection feature of Viking's FAXJ-300 and PDF-2

Made In The U.S.A.

I. GENERAL

The **DLE-200A** allows two-way voice or data communication between devices, provides 32V DC talk battery and standard ringing cadence, as well as distinctive ring capabilities. It also provides a 150ms CPC (**C**alling **P**arty **C**ontrol-momentary break in the line) when either device hangs up.

II. INSTALLATION

Connect your telecom devices into the modular jacks labeled Ringdown 1 and Ringdown 2. Make sure the power supply included is plugged into the jack on the back of the unit and also into commercial power. When either telecom device goes off-hook, the **DLE-200A** provides 2 seconds of 500 Hz dial tone and then rings the other device until answered.

NOTE: In Fax/Modem applications it maybe necessary to attenuate the audio (reduce the volume level of Touch-Tones). This is accomplished by turning switch 3 on.

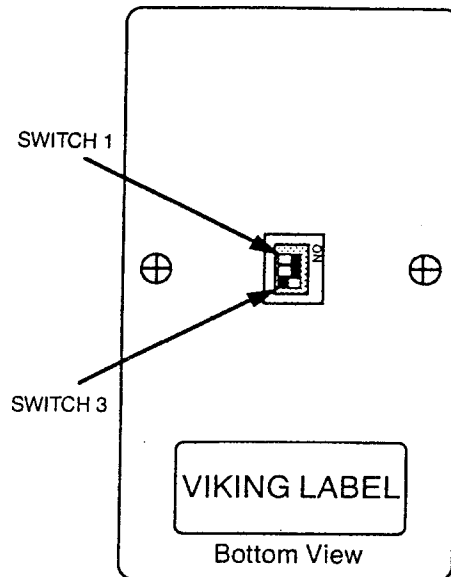
III. PROGRAMMING

There are different features available by changing the switch settings or by clipping the internal jumpers (see below). The unit is shipped for standard applications with all features enabled.

Switch Settings For Distinctive Ringing

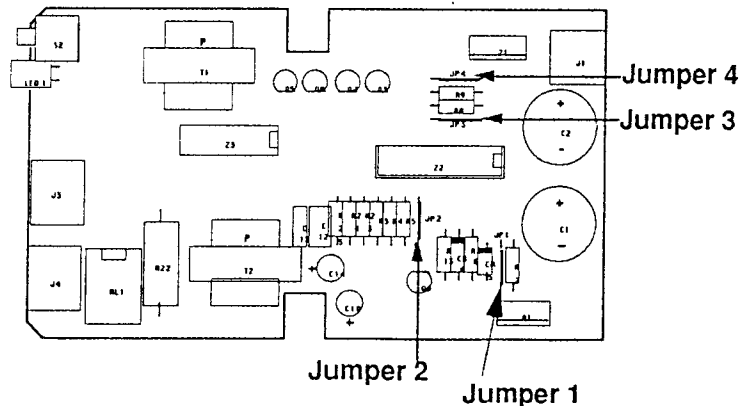
SW 1	SW2	RINGING CADENCE
ON	ON	LONG-LONG
OFF	ON	SHORT-SHORT-LONG
ON	OFF	SHORT-LONG-SHORT
OFF	OFF	2 SEC. ON-4 SEC. OFF

Switch 3 attenuates Touch-Tone volume output of Device 1 by 9 dB when in the ON position.



By **CLIPPING** the internal jumpers on the circuit board of the **DLE-200A**, the unit can:

- Jumper 1:** Eliminate the **CPC** signal
- Jumper 2:** Enable only 5 rings (normally the **DLE-200A** continues to ring the second device until answered)
- Jumper 3:** Convert the unit to a **ONE**-way ringdown circuit. Rings from Device 1 to Device 2 only
- Jumper 4:** Eliminate the two seconds of dial tone, causing the other device to begin ringing immediately



IMPORTANT

The **DLE-200A** is not protected against damage from power line surges. A surge protector is recommended. For efficient operation, program the fax machine (modem/P.O.S. terminal) to answer on the first ring.

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

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