



# APPLICATION Note

**TELECOM SOLUTIONS FOR THE 21ST CENTURY**

**Provide Dialing and Voice from a Contact Closure**

January 21, 2000

## Provide Auto Dialing (with Audio Input) from a Contact Closure



The **K-1900-5** Touch Tone Dialer can be used in conjunction with a handful of standard components to provide automatic dialing from a contact closure, with an audio input to the line.

This is useful in instances where live programs or pre-recorded announcements are to be transmitted via the public telephone network. Used in this application, the **K-1900-5** automates the process of connecting to the remote site.

Establishing and maintaining the link to the remote site is as simple as providing continuous contact closure behind the **K-1900-5**.

[info@vikingelectronics.com](mailto:info@vikingelectronics.com)

Phone... 715.386.8861

<http://www.vikingelectronics.com>

Made in the U.S.A.

## Installation

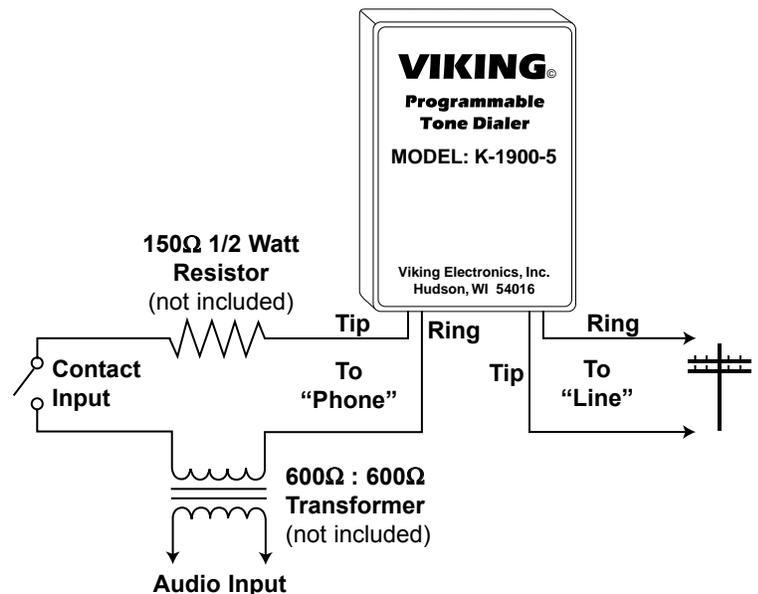
**Note:** This application note is to be used in conjunction with the **K-1900-5** Technical Practice, **Fax Back Document 317**.

**Radio Shack Part Numbers** (or equivalents):

150Ω 1/2 Watt Carbon Film Resistor - #271-11009

1 : 1 Isolation Transformer 600Ω-900Ω - #273-1374

1. Program the **K-1900-5** with the desired remote number as described in the **K-1900-5** Technical Practice.
2. Connect the components as shown in the diagram to the right. **Note:** It is recommended that the additional components (resistor, transformer, etc) be mounted to a perfboard or other suitable chassis.
3. Connect an audio source to the audio input. For optimal performance, the audio source should provide a 600Ω balanced output.
4. Closing the contact input initiates a connection with the remote location, which will sustain for as long as the contact remains closed. The signal at the audio input is passed directly to the telephone line.



**Product Support Line... 715.386.8666**

**Fax Back Line... 715.386.4345**

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