

Telecommunication Peripheral Products
Technical Practice

DM-4
Digit Monitor
August 13, 1998

Decode DTMF Touch Tones



Easily decode DTMF Touch Tones for trouble-shooting communication equipment. The **DM-4** will decode any numeric Touch Tone as well as extended DTMF characters on standard C.O. lines or analog PABX/KSU stations.

The **DM-4** is also recommended for decoding the location identification codes built into **Viking's 1600 Series**, ADA* compliant phones.

**Americans with Disabilities Act of 1992 contains new federal regulations regarding elevator telephones (Public Law 101-336).*

<http://www.VikingElectronics.com>

Features

- Continuously monitors for Touch Tones
- Easy modular installation
- User programmable
- Four available display modes
- Power supply included
- Large liquid crystal display
- One year warranty

Made in the U.S.A.

Sales...(715) 386 - 8861

Applications

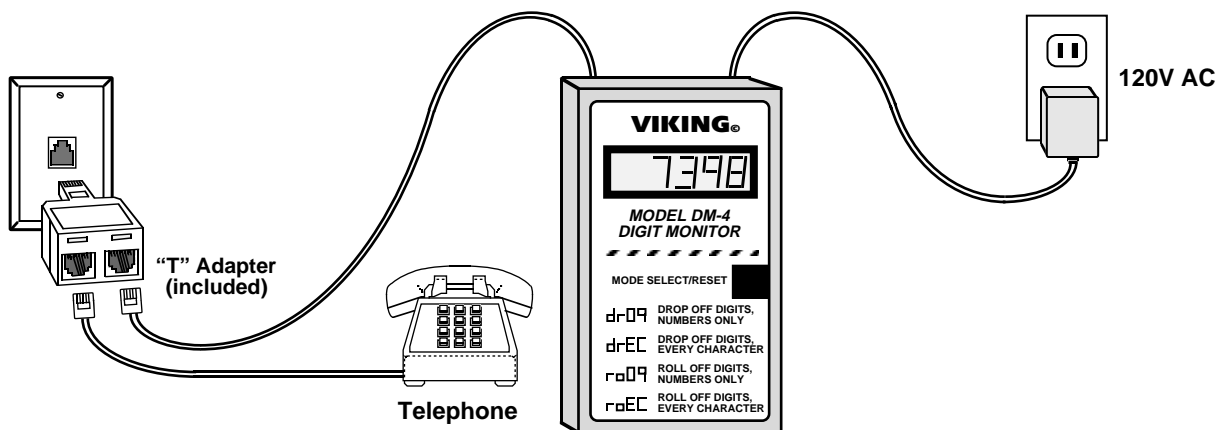
- Decipher DTMF Touch Tones to test communication equipment
- Decipher DTMF location identification string of ADA* compliant, **1600 Series** emergency and elevator phones (**Fax Back Document 215**)

Specifications

Power: 120V AC/13.8V AC UL listed power supply included
Dimensions: 71mm x 36mm x 119mm (4.7" x 2.8" x 1.4")
Shipping Weight: .68 kg (1.5 lbs)
Environmental: 0°C to 32°C (32°F to 90°F) with 5% to 95% non-condensing humidity
Display: 4 digits, 10 mm (.4") high liquid crystal
Connections: (1) RJ-11 plug

E-mail...Sales@VikingElectronics.com

Installation



Programming

A. Mode Descriptions

Mode	Description
dr09	Drops the oldest digit from the display as a new Touch Tone digit is received (only on display overflow). The only digits displayed are Touch Tones 0 - 9.
drEC	Drops the oldest digit from the display as a new Touch Tone digit is received (only on display overflow). All Touch Tone characters are displayed (0 - 9, *, #, A, B, C, D).
ro09	Rolls the digits onto the display if they overflow the display (14 digits maximum). The only digits displayed are Touch Tones 0 - 9.
roEC	Rolls the digits onto the display if they overflow the display (14 digits maximum). All Touch Tone digits are displayed (0 - 9, *, #, A, B, C, D).

B. Changing the Mode

1. Press and hold the **MODE SELECT/RESET** button until the current mode is displayed, then release.
2. Momentarily press the **MODE SELECT/RESET** button to change the **DM-4** from the current mode to the next.
3. When the desired operational mode has been selected, The **DM-4** will continue to display that operational mode for approximately 3 seconds.
4. Save your selection and return to normal operation.

C. Display

The **DM-4** can be programmed to display all Touch Tone characters or only numeric digits. If the mode is selected to show all characters, they will be displayed as shown in the chart to the right.

The display will be cleared by any of the following:

1. Momentarily pressing the **MODE SELECT/RESET** button.
2. An "On-Hook" signal of a telephone or device connected to the same line as the **DM-4**.
3. If more than 20 seconds elapse between Touch Tone entries, the display will automatically blank on the next incoming Touch Tone.

Character	Display
*	L
#	J
A	F
B	b
C	C
D	d

Operation

The **DM-4** continuously monitors for Touch Tones and displays them on a four-digit display in one of four operational modes. The **DM-4** can display both numeric digits and extended DTMF characters.

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

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

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