



EL-TELLTM

Digital Voice Location Announcer

Model ET-DA20

Instruction Book

**Please read carefully before
installation and operation**

Table of Contents

Introduction	3
Pre-Installation Checklist	3
Wiring	4
Telephone Lines	4
Telephone Line Specifications	4
Wiring Diagram	5
Installation	6
Setup	7
Phone Line Mode	7
Activation	7
Recording the Message	7
Operation and Testing	8
Troubleshooting	9
Specifications	9
Code Compliance	10
Service & Warranty Agreement	11

Questions?
Call our Customer Service Department
1-800-993-9399 or (860) 489-9399

Introduction

Thank you for purchasing the K-Tech EI-Tell™ (ET-DA20) Digital Voice Location Announcer. When used with K-Phone Emergency speakerphones, this device will play a user-recorded announcement over the telephone line. This voice announcement can be used to alert the called party to the location of the emergency and/or provide additional instructions.

The announcement can be triggered automatically by the called party's voice, or remotely by touch-tone. It can be replayed at any time by touch-tone.

The EI-Tell™ Digital Voice Location Announcer is easily wired to the telephone line, and is powered using the included AC adapter. Battery backup ensures the unit will work in the event of a power failure. Recording and review of the twenty second message is easily done with the built in microphone and speaker. It is stored in digital format in non-volatile memory (meaning there are no moving parts to wear out!).

Pre-Installation Checklist

- Read this manual completely before installation.
- Determine the EI-Tell™ installation location.

The installation location should be in the machine room or telephone equipment room, a location where both the incoming emergency telephone line and elevator telephone line(s) are accessible. It must be within 6 feet of an AC outlet.

The installation location should be at least 3 feet away from sources of AC interference (e.g. elevator controller, motors, conduit carrying high AC voltage).

Tools Required:

- small flathead screwdriver
- small Phillips screwdriver
- wire cutters
- long-nosed pliers
- drill and pilot bit for #8 sheet metal screw
- Digital Multimeter (DMM)

Wiring

We strongly recommend that the wires used to supply the incoming telephone line to the EI-Tell™ and the wires from the EI-Tell™ to the K-Tech emergency speakerphones be 20 AWG shielded, twisted pair. The shield must be continuous over these lengths.

Connect the shield to a **true earth ground at one end only!** This will minimize the interference from AC inductance and RF (radio frequency).

Telephone Lines

For best operation, each EI-Tell™ Digital Voice Location Announcer must be installed on an analog touch-tone telephone line.

Compatible line types are standard analog two-wire central office lines (POTS) from the local telephone company or most internal PBX systems.

NOTE: The K-Tech emergency telephones should be installed on a dedicated telephone line. Sharing a telephone line with other devices (e.g. fax machine, alarm system, another telephone, etc.) could affect code compliance and/or cause the emergency telephone to malfunction.

Telephone Line Specifications

Line Type	Standard two-wire voice analog
Line Voltage	24 VDC minimum on-hook
Loop Current	30 mA minimum

Wiring Diagram

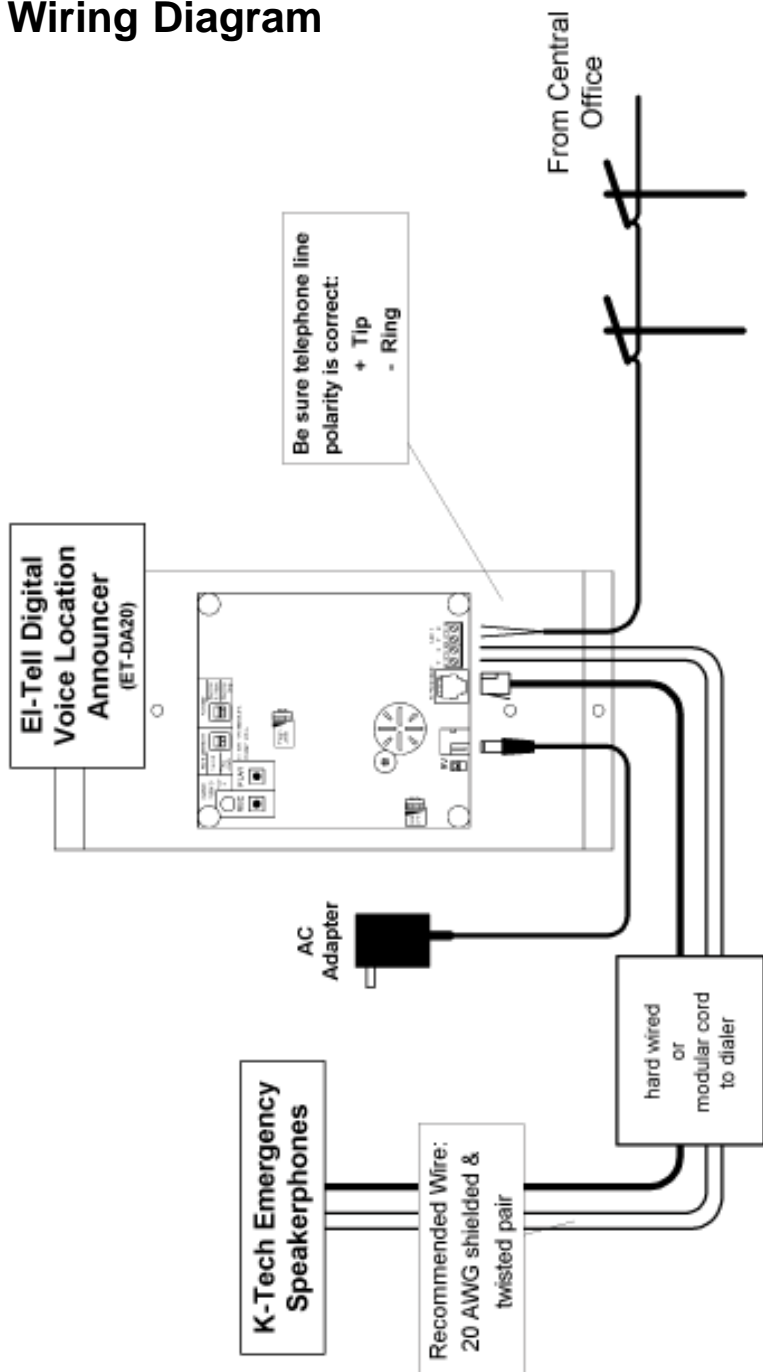


Fig 1. Wiring Diagram

Installation

1. Mount the EI-Tell™ enclosure using two screws (supplied) and the two holes in the back of the enclosure
2. Connect the AC adapter to the EI-Tell™ and plug into a 120 VAC outlet.
3. Connect the backup battery to the connector marked **9V** on the EI-Tell™ circuit board.
4. Connect the incoming telephone line to the terminals marked **Line In**. Be sure to follow Tip and Ring polarity as marked.
5. Connect the remote telephone units using either:
the modular connector (RJ11)
or
the terminals marked **To Phone/Dialer**.
5. Proceed to **Setup** on page 7.
6. Proceed to **Operation and Testing** on page 8.

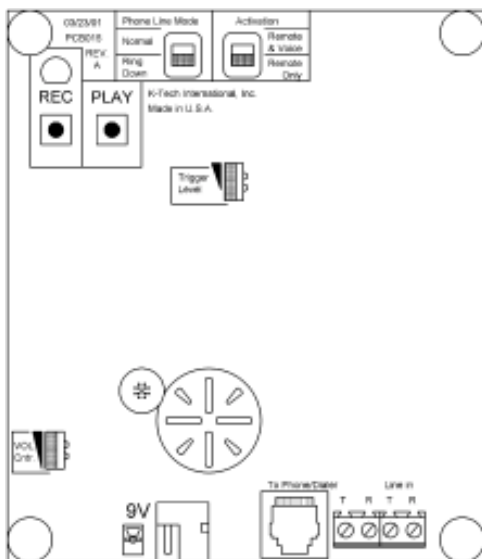


Fig 2. Detail of EI-Tell™ circuit board

Setup

Phone Line Mode

The EI-Tell™ Digital Voice Location Announcer is designed to work on both dial-type (POTS) and ringdown type telephone lines. If, when the emergency call is placed, the emergency telephones dial an emergency telephone number, set the **Phone Line Mode** switch to **Normal**. If the call connects automatically without any dialing (i.e. ringdown line), set this switch to **Ringdown**.

Activation

The EI-Tell™ Digital Voice Location Announcer can be set to play the recorded message by remote activation or remote and voice activation. Set the **Activation** switch to the desired activation mode.

Remote Only

In this mode, the message is played only when the called party hits 0 * (zero star) on their telephone keypad. The called party can re-play this message at any time by pressing 0 * (zero star) on their telephone keypad.

Remote & Voice

In this mode, the message is played automatically by the called party's voice. The message will play one time (up to 20 seconds). The called party can re-play this message at any time by pressing 0 * (zero star) on their telephone keypad.

Recording the Message

For best results, record the message in a quiet location before connecting it to the telephone line. The message recorded cannot exceed 20 seconds in length.

1. Connect backup battery to the connector on the EI-Tell™ circuit board.
2. Press and hold the **REC** button. **Recording begins as soon as the LED illuminates.**

Holding the unit 4 - 6 inches away, begin speaking until the LED goes out (20 seconds).

NOTE: If the LED goes out before you finish speaking, your complete message was not recorded. Shorten the message or speak more quickly to fit within 20 seconds.

3. To review the message, press and hold the **PLAY** button.

Operation and Testing

Remote Only Activation Mode

- 1. Activate the K-Phone.**

The unit will place a call to the emergency telephone number.

- 2. Have the second party play the message.**

To do this, have them press 0 * (zero star) on their telephone keypad.

Remote & Voice Activation Mode

- 1. Activate the K-Phone.**

The unit will place a call to the emergency telephone number. As soon as the called party answers, the EI-Tell™ will play the recorded message.

- 2. Have the second party replay the message.**

To do this, have them press 0 * (zero star) on their telephone keypad.

Questions?

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1-800-993-9399 or (860) 489-9399

Troubleshooting

In Remote & Voice activation mode, the voice message does not automatically play.

1. Turn the **Trigger Level** control counterclockwise 1/16 turn and retest. Repeat until desired sensitivity is set.
2. Check that the wiring connections are correct and that the telephone line polarity is correct throughout the system.

In Remote & Voice activation mode, the voice message plays before the called party answers.

1. Turn the **Trigger Level** control clockwise 1/16 turn and retest. Repeat until desired sensitivity is set.
2. Check that the wires used to supply the telephone line to K-Tech emergency speakerphones are 20 AWG shielded, twisted pair.

The shield must be continuous from the speakerphone through the traveling cable to the incoming telephone line termination. Make sure the shield is connected to a **true earth ground at one end only!** This will minimize the interference from AC inductance and RF (radio frequency).

Also check that the wiring connections are correct and that the telephone line polarity is correct throughout the system.

Specifications

Power	AC Adaptor: 120 VAC input; 9 VDC output 9 VDC NiCad battery backup
Circuit Protection	Varistor lightning suppressor and full wave polarity guard
Voice Announcement	Voice or remote activated; 20 second duration
Programming	Integral microphone, speaker, and controls
Dimensions	9 1/2" H x 4 3/4" W x 2" D (241 mm x 121 mm x 51 mm)

WARNING!: This product is intended for INDOOR USE ONLY. For more information on moisture resistant units, please contact our Customer Service Department at 1-800-993-9399.

Code Compliance

K-Tech has taken great care in ensuring that our telephone equipment meets all code requirements. There are however additional requirements that have to be met in order for the installation and operation to pass code. We will attempt to list requirements pertaining to the installation of our telephone equipment. The ultimate responsibility is yours, however. Consult local codes to be sure your installation complies.

1. Telephone equipment must be mounted at the proper height for people who use wheel chairs.
2. Make sure the called party knows how to make the visual indicator function. This signal is for the hearing impaired and means that help is on the way (see our "Answering Phone Instructions" card).
3. Make sure the called party can determine the origin of the call without interaction from the caller. This is accomplished by using the Voice Announcement feature or by using a caller-ID system.
4. When installing telephone equipment inside an elevator phone cabinet you should install a sign with raised and Braille lettering (such as model LB014) on the outside. A door handle allowing the physically impaired to open the door (such as model ET-TBH) should also be installed.

Questions?

**Call our Customer Service Department
1-800-993-9399 or (860) 489-9399**

Service & Warranty Agreement

To Order:

- Mail your Purchase Order to:
K-Tech International, Inc.
P.O. Box 1025
Torrington, CT 06790
- Fax your Purchase Order to K-Tech International, Inc. at (860) 489-4399.
- Call in your order to 1-800-993-9399 or (860) 489-9399

Customer Service:

Please call Customer Service at 1-800-993-9399 or (860) 489-9399 for any questions regarding equipment, product literature, request for quote, or for the status of any order placed.

Technical Support:

Please call Technical Support at 1-800-993-9399 or (860) 489-9399 for any technical assistance you may require regarding K-Tech equipment.

Payment:

- NET 30 DAYS with credit approval (request a credit application)
- C.O.D.
- Major Credit Card
- For International orders, call (860) 489-9399 for details

Shipping Information:

1. All Continental U.S. orders are shipped via UPS-Ground service unless otherwise specified. Alternate shipping methods are billed accordingly.
2. Outside Continental U.S.-request details.
3. Shipping Terms: FOB Origin/Prepaid & Added.

Warranty Policy:

K-Tech International, Inc. warrants equipment of its own manufacture to be free from defects in material and workmanship for a period of one year from date of shipment from factory or appointed distributor to original user.

This warranty does not apply to any products which have been damaged, neglected, altered, abused, used for a purpose other than the one for which they were manufactured, repaired by the customer or any party without K-Tech's authorization, or used in any manner inconsistent with K-Tech's instructions.

K-Tech's entire obligation under this warranty shall be limited (at K-Tech's option) to repair or replacement of any parts which prove to be defective within the warranty period. Defective products must be returned by customer to K-Tech's factory in its original, unaltered form, transportation prepaid.

Prices may be changed and product may be modified or discontinued at any time without

notice. K-Tech will not be liable for any costs incurred by its customers in removal or replacement of defective products.

K-Tech International, Inc.'s liability under this warranty, or any other warranty, whether expressed or implied in law or fact, shall be limited to the repair or replacement of defective material or workmanship, and in no event shall be liable for consequential or indirect damages. No representative or person is authorized to assume for us any of the liability in connection with the sale of our products.

Repair Policy:

K-Tech International, Inc. customer repair policy requires that all customer repairs have a preassigned Return Authorization (RA) number. This system assists us in better serving our customers by ensuring accurate identification and prompt turnaround for returned product. If you need to return a product for repair, please contact our Customer Service Department at 1-800-993-9399 or (860) 489-9399 for a Repair Authorization (RA) number. Please have the following information available when requesting authorization:

1. Bill To and Ship To addresses
2. Name and telephone number of contact person for this Repair Authorization (RA)
3. Purchase Order # for this Repair Authorization (RA)
4. Job site name
5. Quantity, model number(s), and serial number(s)
6. Brief description of problem experienced with the unit(s)

Shipping:

Please reference the Repair Authorization (RA) number on the outside of all cartons and on all paperwork enclosed with the product. Undocumented returns run the risk of being lost and are untraceable. All material must be shipped on a Freight Prepaid basis. Collect shipments will be refused.

Credit Policy:

Only "unopened" product which is returned within **30 days** from the original ship date will be accepted for credit. All products returned will be subject to a minimum 15% restocking charge.

All returns must have prior authorization.

Call 1-800-993-9399 or (860) 489-9399.

Prices may be changed and product may be modified or discontinued at any time without notice.

Notes

Date Installed:

Serial Number:

Installer:

Location:

Phone Line Number:

Service/Security
Company Dialed:



K-Tech International, Inc.

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