

TELEVATOR II

Handsfree Emergency Autodial Telephone

PWR2 - 12VAC

INSTALLATION and OPERATION INSTRUCTIONS



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INTRODUCTION

USE OF THIS MANUAL

This manual contains all the information required to successfully install and program the TRIGON Televator II.

You should read all instructions before beginning installation. This will insure everything is done as efficiently as possible.

If you are using this manual to install this unit for the first time, it is important for you to read the following sections in order:

INTRODUCTION
INSTALLATION
PROGRAMMING
OPERATION

PRODUCT OVERVIEW

The TRIGON Televator II is a handsfree, single-number auto dialer. At the press of a button, the TELEVATOR dials a programmed telephone number. If the number dialed is busy or does not answer, the TELEVATOR will hang up and dial a programmed backup number. The unit will continue dialing until it is answered.

Features include the unit's capability to transmit a programmed Site ID number, or toggle on and off the microphone, when the responding attendant presses keys on their telephone. The unit's minimum wiring requirements allow for a fast and easy installation.

Also supported is an ADA lamp on the front of the unit. This lamp is normally off. When the unit is activated by pressing the Call button, the ADA lamp will begin to flash, indicating that a call is in progress. When the unit recognizes that a voice has answered, the ADA lamp will light solid and the microphone will be turned on. When this occurs, a hearing impaired individual will know that the call has been answered.

INSTALLATION

Arrangements must be made with the local telephone company for installation of a standard voice-grade telephone line (Touch-tone or rotary) to the elevator cab. The telephone company will require the following information:

FCC Registration No. AZ889B-62546-DI-T
 Ringer Equivalence 0.8
 Connector Standard USOC Jack RJ11C

Mounting

Televator units are supplied in Flush Mount Plate and Kit designs to meet a variety of mounting requirements. Refer to the drawing below for standard dimensions.

WIRING

1. Ground the unit by attaching a separate 12 AWG ground wire to the screw terminal labeled "GROUND" on the logic board. This ground wire should connect to a grounding rod or grounded metal conduit.

2. Isolate the telephone line from AC power wires. This will prevent 60 Hz hum from occurring on the telephone line.

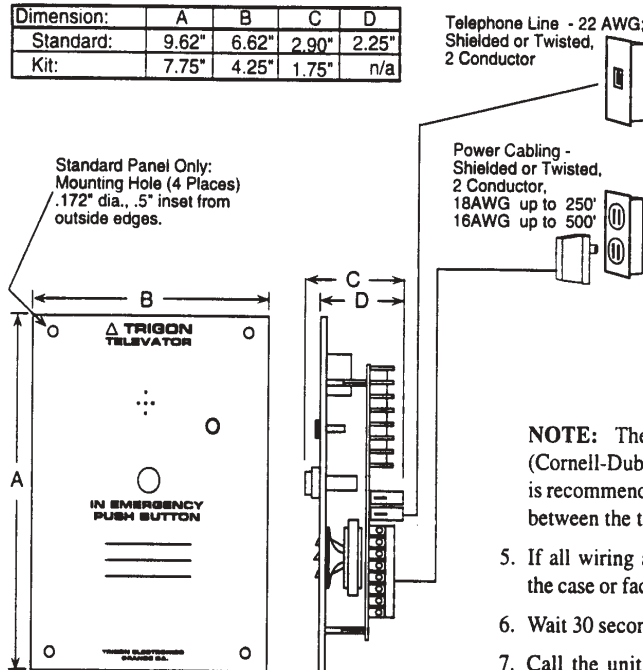
3. Use the "CONNECTIONS" Diagram on Page 8 for wire connection information.

4. Connect the transformer's output to the AC Input terminals on the main logic board. Plug the supplied 12VAC transformer into a 120 VAC source.

NOTE: The installation of an RFI/EMI filter (Cornell-Dubilier Model APF 1021 or equivalent) is recommended. Mount it close to the unit in-line between the transformer and the unit.

5. If all wiring and grounding is completed, mount the case or face plate into prepared hole in the cab.
6. Wait 30 seconds before attempting to use the unit.
7. Call the unit from a Touch-tone telephone and program it.

Dimension:	A	B	C	D
Standard:	9.62"	6.62"	2.90"	2.25"
Kit:	7.75"	4.25"	1.75"	n/a



Telephone Line - 22 AWG;
 Shielded or Twisted,
 2 Conductor

Power Cabling -
 Shielded or Twisted,
 2 Conductor,
 18AWG up to 250'
 16AWG up to 500'

PROGRAMMING

Programmable Data:

Record data to be programmed for easy reference during programming.

First Auto dial Number:

(12 digits max.) _____

NOTE: Unit will insert a 1/2 second pause for each '*' character embedded in the telephone number series of digits.

Second, or "Backup" Auto dial Number:

(12 digits max.) _____

NOTE: Repeat the first Auto dial Number for "Second" if no Second is needed.

Site Identification Number: _____ (4 digits)

Program Access Number: _____ (4 digits)

Programming Steps:

Call the Televator unit from a touch-tone telephone. The Televator will answer near the third ring. On answering, the Televator will send an answer tone for about 2 seconds.

Enter the Programming Mode by pressing '**' and enter the Program Access Number. If this is the first time, then you must use the factory preset Program Access Number, '9753'.

When access is granted, two (low/high) tones will be sent by the Televator. You may now use the Program Mode Commands.

PROGRAM MODE COMMANDS

NOTES:

- A. Commands 1 through 5 send a beep count equal to the numeric command. (Example: Tone 4...Set 2nd Auto Dial... beeps 4 times. Wait for beeps to stop before entering data!).
- B. Commands 1-5 require the use of '#' key to complete entries.
- C. Commands 1-7, and 9 acknowledge completion with 'High-Low' tones.

Programming inputs are shown in **bold face**.

Press '1' to set the Site Identification Number.

1 [Site Identification Number] #

Site Identification Number: Enter 4 digits here that you want transmitted for Site Identification purposes. (See Note A. above.)

Press '2' to set the First Auto dial Number.

2 [First Auto Dial number] #

First Auto dial Number: Enter up to 12 digits here that you want auto dialed on unit activation via the 'PUSH TO CALL' button on the Televator front panel. (See Note A. above.)

Press '3' to set the Program Access Number.

3 [Program Access number] #

Program Access Number: Enter a 4 digit number to replace the factory preset value of '9753'. This is the Access Number used to put the Televator in Program Mode. (See Note A. above.)

Press '4' to set the Second Auto dial Number.

4 [Second Auto Dial number] #

Second Auto dial Number: Enter up to 12 digits here. This is the number that is dialed automatically if the first number is unsuccessful. See also First Auto dial Number above. (See Note A. above.)

Press '5' to set the Ring Count.

5 [Ring Count] #

Ring Count: Enter a single digit value from 1 to 9 for the number of rings that the unit is to count before answering an incoming call. Since the first ring is not necessarily a full ring, it is not considered part of the total count. (See Note A. above.)

PROGRAMMING (Continued)

Press '6' to set the Touch-tone Dial Mode.

6

Touch-tone Dial Mode: This command requires no extra inputs. 2 beeps will be the immediate response. This is the normal setting for Dial Mode using Touch-tone (DTMF).

Press '7' to set the Rotary Dial Mode.

7

Rotary Dial Mode: On older telephone lines rotary (pulse) dialing may be required. Responds with 2 beeps.

Press '8' to run the Memory Write Test.

8

Memory Write Test: If this command is invoked, the unit will do a nondestructive Memory Test. Two beeps indicate successful Memory Test and one beep indicates failure.

Press '9' to run the DTMF Echo Test.

9.....#

DTMF Echo Test: Once you enter this test, the only escape is by using the '#' key. All other keys (tones) will be received, recognized, and echoed back.

Press '*' to Return to Normal Mode.

Return to Normal Mode: This is the mode that the Televator is in when it answers an incoming call or has auto-dialed (Normal Mode begins with a 2 second tone).

Press '#' to Return to Normal Mode.

Return to Normal Mode: This is the mode that the Televator is in when it answers an incoming call or has auto-dialed (Normal Mode begins with a 2 second tone).

Note: '0' - No Function

PROGRAMMING QUICK REFERENCE

Call Televator. Unit will respond to:

Brackets "[]" enclose the tone command that the attendant presses on their telephone:

- [0] Force unit to hang up.
- [2] Enable Microphone & set time out to 3 minutes.
- [5] Disable/Enable unit microphone (toggle).
- [8] Request unit to transmit its 1st Auto dial number.
- [9] Request unit to transmit its 2nd Auto dial number.
- [#] Request unit to transmit its Site Identification number.
- [*pppp] Request access to the unit's Program Mode where pppp is the 4 digit Program Access Code (9753 is factory preset).

Unit will respond with a LOW-TONE / HIGH-TONE when entering the program mode.

While in PROGRAM MODE:

Legend:

[] indicates data to be entered.

{ } indicate system response.

xxxx indicates numbers to be entered

- [1] Set Unit's Site Identification number.
1 {1 tone} [xxxx] # {high-low tone}
- [2] Set Unit's 1st Auto dial number.
2 {2 tones} [xxxxxxxxxxx] # {high-low tone}
- [3] Set Unit's Access code.
3 {3 tones} [xxxx] # {high-low tone}
- [4] Set Unit's 2nd Auto dial number.
4 {4 tones} [xxxxxxxxxxx] # {high-low tone}
- [5] Set Auto answer for 1 to 9 rings.
5 {5 tones} [x] # {high-low tone}
- [6] Set Touch-tone Dial Mode.
6 {high-low tone}
- [7] Set Rotary Dial Mode.
7 {high-low tone}
- [8] Do Memory Write Test (beep = bad, beep, beep = good).
8 {2 tones = good, 1 tone = bad}
- [9] Do Echo Test. Echoes tones until '#' key.
9 [1{tone}, 2, etc.] # {high-low tone}
- [*] Request unit to return to Normal Mode.
- [#] Request unit to return to Normal Mode.

OPERATION

When the 'PUSH TO CALL' button is pressed, the Televator begins automatic dialing of the programmed telephone number. It ignores subsequent pressing of the Push To Call button. During the dialing sequence, the unit monitors the line for various signals. They are:

1. **Busy Signal**— Televator will hang up and dial the backup number (or the primary number if the backup number resulted in a busy signal).
2. **Ring Signal**— Televator will hang up and alternately dial the backup and primary number after about 8 rings (40 seconds).
3. **Voice or touch-tones**— This indicates an answer. The Televator then enters the Talk Mode.

NOTE: Answer the Televator incoming call with a short phrase such as "May I help you?". Otherwise, the unit may fail to recognize a short greeting such as "Hello".

When the unit is in the Talk Mode, the security attendant may then press keys on their touch-tone telephone to do the following:

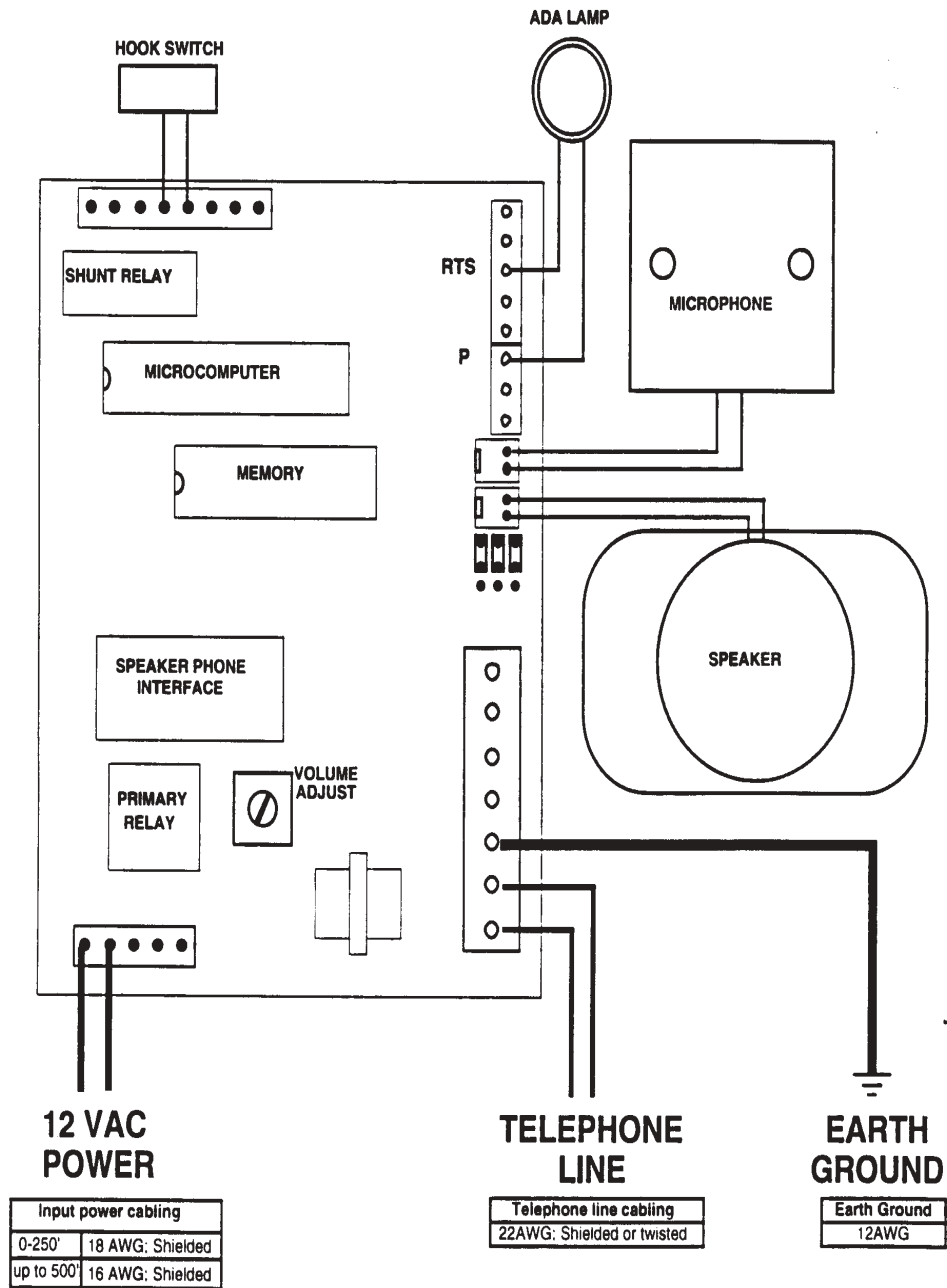
1. Press '0' to disconnect.
2. Press '2' to reset the auto-disconnect timer to 3 minutes and enable the microphone if muted.
3. Press '5' to turn the microphone off.
4. Press '8' to cause the Televator to transmit the First Auto dial Number.
5. Press '9' to cause the Televator to transmit the Second Auto dial Number.
6. Press '#' to cause the Televator to transmit the Site Identification Number.
7. Press '*[program code]' to enter the programming mode. See Programming section for details.

All other tones are echoed and restart the 3 minute time-out.

Two beep tones will warn that the unit has 10 seconds left before auto-termination.

Televator II

CONNECTIONS



TELEVATOR II WIRING CONNECTIONS

Televator Dimensions

(Standard Panel)

