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# Teledial II H

## Handset Telephone Access Control System



### INSTALLATION and OPERATIONAL INSTRUCTIONS



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## INTRODUCTION

This manual contains all the information required to install and program the Teledial IIa. If you are using this manual to install this unit, it is very important to read all the sections in order.

You should read these instructions before you begin installation. This will insure that everything is done efficiently.

If you are using this manual as a programming guide after the initial installation, you may find the TABLE OF CONTENTS useful in locating the particular programming procedure you need.

## PRODUCT OVERVIEW

The TRIGON Teledial IIa is a microprocessor controlled telephone that operates from phone line power. Upon lifting the handset, up to 50 programmed telephone numbers may be dialed.

### Standard Features:

1. Remote Programming
2. Removable jumper to inhibit Auto Answer.
3. Site ID code.
4. Tamper proof Program Access Code.
5. Remotely run Diagnostics
6. Remote verification of all settings.

### Optional Features:

1. ADA Vol control Handset.
2. Keypad enable or disable after dialing.

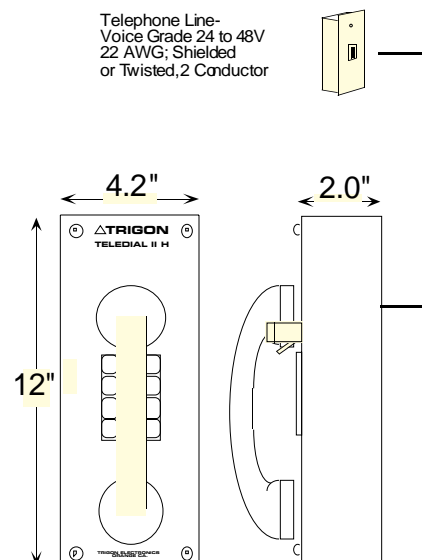
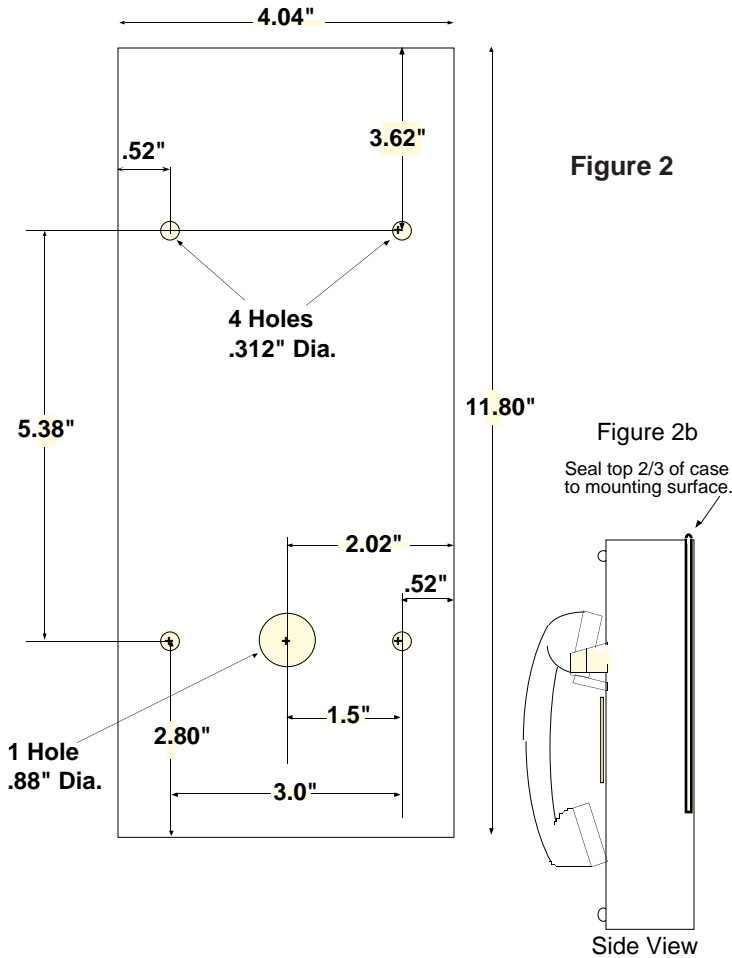


Figure 1

## MOUNTING



Arrangements must be made with the local telephone company for installation of a standard voice-grade telephone line (touch-tone or rotary) as close to the unit mounting location as possible. The telephone company may require the following information.

FCC Registration No.....AZ8898-69651-MT-T

Ringer Equivalence.....0.88

Connector.....Standard USOC Jack RJ11C

The unit is designed to be as weather resistant as possible. We do however recommend some shelter from direct rain and sunlight. An overhang is usually sufficient. Bolt the back plate (**Fig. 2**) to the mounting surface using the mounting holes in the chassis. Feed the wiring through the access hole in the rear of the back plate. At this point, the wiring should NOT be live (energized).

**Note:** If used in extreme weather, a bead of silicon sealant should be run around the outside top two thirds of the unit, after the front case is secured.

(Fig. 2b).

## WIRING

1. Use the wiring diagram (Fig. 3) for wire connection information.
2. Ground the unit by attaching a separate 12 AWG ground wire to the ground location on the terminal block. This ground wire should go to a grounding rod or grounded metal conduit.
6. Shielded cable is recommended. Ground the shielding to the same point as the unit and filter. To avoid ground loops, do not ground the shield at both ends. Use 600V insulated wire for this installation
7. Use 22 AWG wire on Telco line run distances of up to 2400 feet. Consult the factory for distances greater than 2400 feet. .
8. Remove jumper ( J-1) to disable Auto Answer.
9. If all wiring and grounding is completed, mount the faceplate onto the backbox.

**WIRING DIAGRAM**

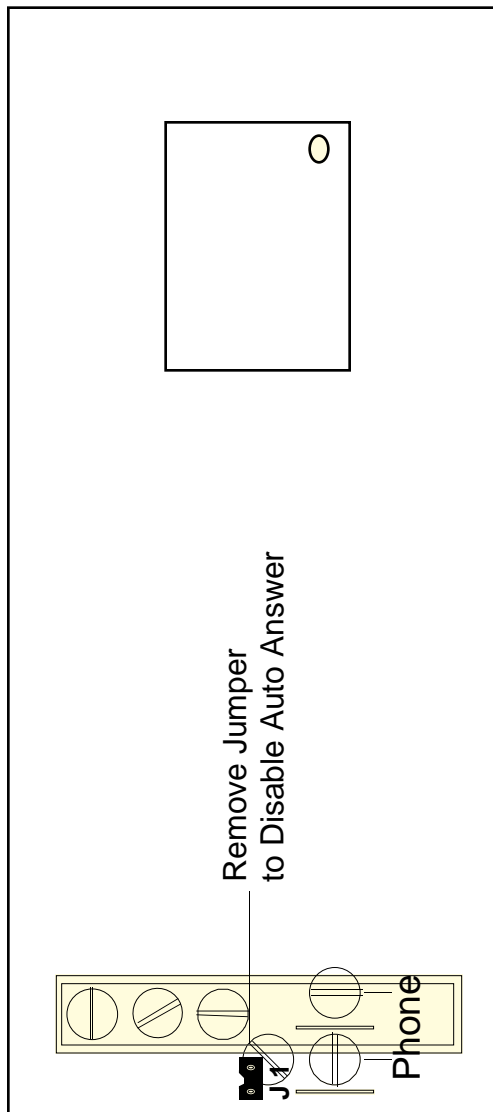


Figure 3

## PROGRAMMING INFORMATION

### General Programming Information

On new installations it is suggested that a master erase function be performed. This will clear any spurious data from the memory. If the unit has already been installed and is in service, SETUP may not be necessary. If you wish to change any SETUP parameters, you may do so. You may find it helpful to read through SETUP before actually performing any of the steps.

It is important that each programming step be taken in order. When reprogramming a specific feature, you must always enter the programming mode first. You may then go to the appropriate procedural steps for the changes desired.

### General

Record below the telephone numbers you program into the Teledial II H:

#### Auto dial Numbers (12 digit max)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### Site ID Code Number -if required (4 digits)

\_\_\_\_\_

## SETUP

### (A) Entering Setup Mode:

1. Call the telephone number of the unit.
2. Listen for the two second tone.
3. Enter \* then the unit's Program Code (**Factory preset code is 5269**). You will hear two 'beeps'.
4. Enter "#, 0". for Setup. - or - if desired exit programming by pressing "#,#".

### (B) Setting Resident Code Length

1. Enter the number of digits (1 to 4) corresponding to the length of the resident code. If no code length is chosen, the unit will revert to a factory default ( 2 digits).
2. Continue to next step - or - if desired exit programming by pressing "#,#".

### (C) Dial Mode (Choose one of the following modes):

1. Enter "0" if the unit is being used as a multi-number dialer using keypad codes.
2. Enter "2" for active keypad after dialout.
3. Enter "3" places unit in ring-down mode (unit acts like a regular telephone).
4. After two 'beeps' are heard, continue to next step - or - if desired exit programming by pressing "#,#".

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## PROGRAMMING

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**(A) Programming Telephone Numbers:**

1. Unit must be in programming mode.
2. Enter the Resident (visitor) code (you will hear one 'beep').
3. Enter the desired Telephone number (up to 12 digits).
4. Press # to complete entry (you will hear two 'beeps').
5. Continue programming telephone numbers as needed
6. Continue to next step - or - if desired exit programming by pressing #, #.

- or -

**(B) Deleting Telephone Number/s**

1. Unit must be in programming mode.
2. Enter the resident code number you wish to delete (you will hear one 'beep').
3. Enter # (Two 'beeps' indicate Erasure complete. Three 'beeps' indicate No Code Match Found).

**Note:** If you wish to change the a telephone Number under an existing resident Code, go to "Programming Telephone Numbers"

4. Continue to next step - or - if desired exit programming by pressing #, #.

**(C) Programming Site ID Code**

1. Unit must be in programming mode.
2. Enter #,8 then any 4-digit number (you will hear two 'beeps').
3. Continue to next step - or - if desired exit programming by pressing #, #.

**(D) Setting a New Program Code**

1. Unit must be in programming mode.
2. Enter #, 7 and the NEW 4-digit Programming Code (you will hear two 'beeps').
3. Continue to next step - or - if desired exit programming by pressing #, #.

**Note:** Keep in mind that the 5269 code is now invalid. Keep a record of your NEW programming code. If you lose the ability to access the Programming Mode, call Trigon service.

**(E) Master Erase Feature**

1. The unit must be in Programming Mode.
2. Enter #, \*
3. Enter ' 0 ' to erase all data.  
- or -
4. Enter ' 2 ' to erase Telephone Numbers.  
- or -
5. Enter ' 3 ' to reset the unit to factory defaults. (you will hear a series of 'beeps')

**Note:** Master erase time will vary greatly depending on data in memory. Normally eight seconds is required for Full Capacity EEPROM memory,

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**OPERATION**

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**Placing a Call****(A) Placing a Call**

1. Lift handset for dialtone.
2. Enter resident Code number located next to tenant's name on directory.

**(B) Retrieve the Site ID Code**

1. Call the Teledial (you will hear a tone).
2. When tone stops, Enter #.

**Note:** A Decoder is necessary to display the Site ID number

**Note:** The called party must press '7' to terminate the call.

**(C) Remote Operation Timeout**

1. Press 8 to extend call time to 3 minutes.

**Note:** When you call the unit to program it remotely, you have 30 seconds until auto-termination. Any tone instruction will restart the 30 second timer. To extent this time, follow the programming step above.

**(D) Remote Function Tests**

1. Press 0 to initiate Tone Echo Test (unit will echo any DTMF tone).
2. Press 1 to for Memory Test (one tone=good, two tones= bad).
3. Press 2 for Tone Sequence (units answers by transmitting tones 1-9, \*, #).
4. Press # to request site I.D. from unit.
5. Press 7 to force disconnect and terminate call.
6. Press 8 to extend timeout to 3 minutes.

**(E) Auto Answer Disable**

1. Remove shorting block across pins "J-1" (see pg 5).

**Troubleshooting Guide****(A) No Dialtone**

1. Check telephone line. Readings should be 48-52 VDC (off hook) across terminals.
2. Check handset connections.

**(B) Cannot Program**

1. Incorrect/lost programming code.
2. Try "No Dialtone" procedure.
3. Auto Answer jumper removed.

**(C) Unit Not Dialing**

1. No phone number programed under a particular resident code. Reprogram and try again.
2. Incorrect resident code length entered (see Setup).
3. Check phonenumber at board terminal. Should be 10-12 VDC (off hook).
4. If the unit is on a PBX or in-house phone system, incorrect dialing procedure to access outside line or extension.

**(D) Unit Won't Answer**

1. Check telephone line.
2. Check to see that Shorting Block is installed across pin "J-1" (see pg 7).

# Addendum

## Latched Relay

The Teledial II has a latching relay which controls the connection to the telephone line.

This relay must receive a command from the microprocessor to tell it to release the line. If after placing a call you terminate that call by just hanging up and not by pressing a 7 on your keypad, the unit may become "stuck" in an off hook condition.

To remedy this situation it is recommended that the following procedure be followed.

1. Disconnect the Teledial from the outside telephone line.
2. Call the Teledial's telephone number from another telephone.
3. When you hear ringing on the phone line, reconnect the Teledial to its telephone line.
4. When you hear the Teledial answer with a DTMF tone, press '7' on your telephone's keypad. This will force the Teledial to hangup the call.

The unit should function as specified in the manual. If the problem persists, please call our customer service telephone number @ 800-654-7694.



