

DECODER

INSTALLATION and OPERATION INSTRUCTIONS



February 22, 1996

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INTRODUCTION

Use of This Manual

This manual contains all the information required to successfully install and program the TRIGON DECODER. If you are using this manual to install this unit, it will be very useful to read the following sections in order:

INTRODUCTION
MOUNTING
WIRING
SETUP
OPERATION

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

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

Product Overview

The TRIGON DECODER provides a means of automatically managing the exchange of information coming into a central location from remote sites. Those remote sites may be emergency station telephones, visitor telephones, information telephones, and more.

The DECODER shares a telephone line with a standard handset telephone (desk phone). While the desk phone is used for voice communications, the DECODER collects data from, and/or sends data to, the remote site. The exchange of data allows the DECODER to display information about the calling site. The DECODER can also be used as an aid in programming remote sites by displaying the data entered.

Data regarding remote sites can be entered into the DECODER record memory. Up to 80 site records can be stored. Each site record can contain up to 64 characters.

The DECODER provides two RS232 outputs. One to a computer, the other to a printer. The Time and Date function allows maintenance of an Internal Audit log of 150 transactions.

INSTALLATION

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's intended use location as possible.

WIRING

Do not energize the system until all wiring is completed.

Connect any Printer and Computer cables to the DECODER and their respective device. The DB-9 jacks are provided and marked on the back of the unit. Communications is serial at

2400 baud, 8 bit, no-parity. Interface is via standard 9-pin serial connector.

Connect the Incoming Telephone Company line to the jack marked "TELCO". Connect the Desk Phone to the jack marked "Phone".

Insert the power plug of the power transformer into the jack on the center back of the unit.

Do not power any other device from the TRIGON's's transformer.

When all wiring completed, plug the transformer into a properly grounded wall outlet.

SETUP and EDITING

If you are installing the unit and ready to begin setup, you must first determine the desired mode of operation: auto, or non auto answer.

Auto Answer Mode

In the auto answer mode, the DECODER automatically answers the call on the first ring. It then immediately requests the calling site's ID number. Upon recognition of the ID data, the DECODER displays the site ID number and the first line of record information. Simultaneously, the call data is sent to the computer and printer ports and the transaction is recorded in audit memory.

Note: Trigon units with back-up number dialing capability (HF-2, Televator II, etc.) manufactured before September 1995 may require a firmware modification in order to recognize the Decoder's automatic request for site ID. Contact the Factory for assistance.

Non-Auto Answer Mode

In the Non-Auto Mode (Auto Answer Off), the attendant manually answers the call by picking up the desk phone's handset. They then request the calling site's ID by pressing the appropriate button on the desk phone. Data is then received by the Decoder and is sent to the computer and printer ports, and the transaction recorded in audit memory.

Note: the "*" key may be referred to as the "COMMAND" key. That means it is to be used as a modifier key and is to be pressed at the same time as some other key. For example; "Command 7" means press the "*" key at the same time as pressing the "7" key.

Setting the Answer Mode:

Press Command 1 to toggle Auto Answer on, or off. The display will indicate which mode you are in.

Set the Time and Date:

The time and date are set using twenty-four hour military time. Set, or reset, each character on the clock display by pressing the correct key for that position. As each position is set or modified, the next position will become active.

Press Command 7 to enter the set time mode.

Editing Records:

Up to 80 remote sites can each have an information record created for it. Each record can store up to 4 each 16 character lines of information.

Press Command 4 to edit a record. At the prompt, enter the remote site's ID number (4 digits).

Keypad alphabet and numerics are placed at the current cursor position.

Alphabet characters are defined by pressing two keys in sequence. For example: To attain an "A", press the two key because it contains the letter A. Then press the one key because A is the first letter on the key. Refer to the Keystroke Table below to set the alphabet characters.

Use the "command" sequence to set numbers (example: Command 7 produces a "7").

Use Command # to exit the edit mode.

Keystroke Table:

Press the numbers shown in { } below to attain the matching character or action.

| | | |
|--------|--------|---------------------|
| {21} A | {53} L | {83} V |
| {22} B | {61} M | {91} W |
| {23} C | {62} N | {92} X |
| {31} D | {63} O | {93} Y |
| {32} E | {71} P | {13} Z |
| {33} F | {12} Q | {11} SPACE |
| {41} G | {72} R | {0} Cursor Right |
| {42} H | {73} S | {#} Next Line |
| {43} I | {81} T | {*} Previous Line |
| {51} J | {82} U | {#*} Exit Edit Mode |
| {52} K | | |

GENERAL

Note: System operators should familiarize themselves with the SETUP section above before proceeding with operations.

Unit Reset:

Unit reset allows the operator to restore the DECODER to the ready mode.

Press Command # to restore the ready mode.

Edit Record:

See the SETUP section above

Delete Record:

Delete Record clears entire record from memory. Display will request site ID of record to be deleted.

Press Command 5 to begin delete sequence.

Browse Records:

The first record is presented when Browse Records is active. Use the following keysets to browse through the records in memory:

Command 6 begins the browse sequence at record number one.

Press the # key to advance to the next record.

Press the * key to return to the previous record.

Press "0" to advance to the next line in a record.

Press Command 4 to enter the Edit mode (see SETUP)

Press Command 5 to delete the current record.

Print Records

Activation of the Print Record command causes the DECODER to output all records to the Printer port.

Press Command 2 to begin printing records.

Press Command # to terminate printing.

Programming A Remote Site

The DECODER can be used as a convenient aid to programming the remote sites it serves. Use the desk phone attached to the decoder to call the remote site. When the remote unit answers, follow the instructions provided for the remote site's equipment. Responses from the remote site will be displayed on the Decoder...as will your keystrokes.

To program directly from the Decoder, simply press Command 0. Then dial the desired site's phone number. When the remote unit answers, follow the instructions provided for the remote site's equipment. Responses from the remote site will be displayed on the Decoder.

USING THE AUDIT LOG

The audit log provides a convenient means to review the unit's transaction history. Each call logged is time and date stamped. Up to 150 such transactions are maintained in memory. The audit log can be reviewed on the display, or output to a printer or computer.

Browsing the Audit Log

The first record is presented when Browse Audit Log is active. Use the following Command combinations to browse through the transactions in memory:

Command 9 begins the browse sequence at record number one.

Press the # key to advance to the next record.

Press the * key to return to the previous record.

Press the "0" key to find the next occurrence of the current site ID.

Selecting a specific Site's Audit Log

If you wish to review a specific site's audit log, enter that site's ID code at the prompt.

Press Command 8 to begin the "find" sequence.

Printing the Audit Log

Activation of the Print Audit command causes the DECODER to output all audit transaction to the Printer port.

Caution: Audit Data can be lost if the printer is not turned on and ready when transmission begins.

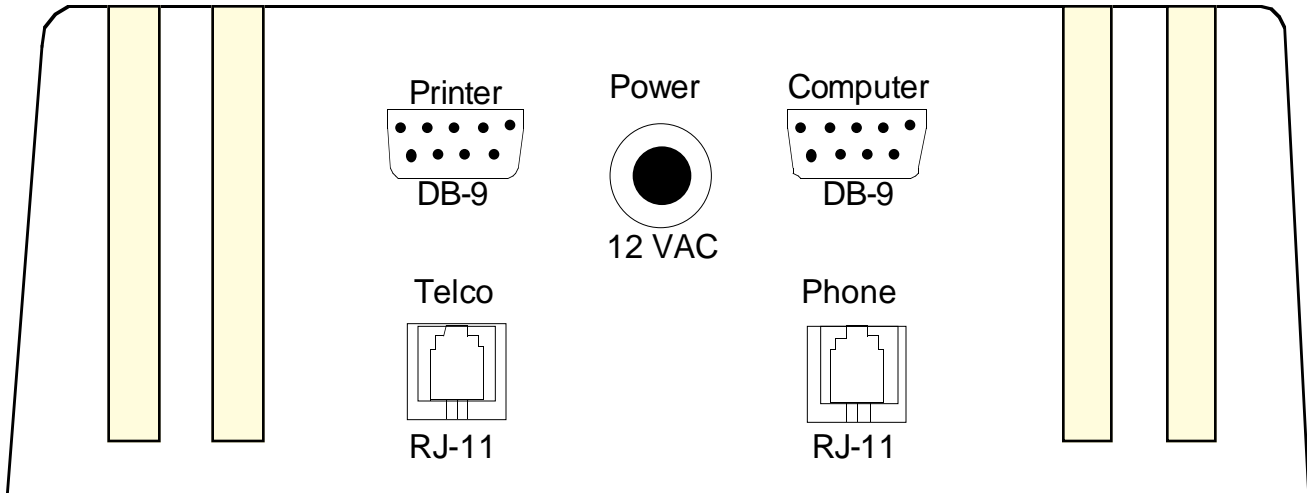
Press Command 3 to begin printing transactions.

Data will appear as: 1234 08/22/95 17:31; where 1234 is the site code, 08/22/95 is the date, and 17:31 is the time.

Press Command # to terminate printing.

SOFTWARE/PC Compatibility

The TRIGON DECODER is compatible with the TRIGON PSL4000 Product Support Software. This compatibility allows programming of DECODER site records via an IBM PC or compatible Personal Computer.



Notes: