INTRODUCTION

This manual contains all the information required to install and program the TRIGON HF-2WMT. 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 Telalarm HF-2WMT(Wall Mount Tower) and HF-2CMT(Compact Wall Mount) are multi-number Emergency auto dialers housed in 56" & 38" steel towers.

The HF-2WMT & HF-2CWM (referred to in this manual as HF-2WM) come standard with 1 output relay. An optional second relay is also available and can be programmed to operate in several different ways. It can be set to pulse momentarily for camera call-up, or it can be set to operate for a timed duration.

There are two Modes of Operation incorporated in the HF-2WM:

1. **Standard Emergency Mode**:

When the call button is pressed, the unit engages its primary relay for the duration of the call, activating the emergency strobe light. The HF-2WM begins dialing according to its programming (up to 10 number rollover). This call may only be terminated only by the called party. If the number dialed is busy or does not answer, the HF-2WM will hang up and dial the next programmed number, up to a maximum of 10. If the last programmed number is busy or does not answer, the HF-2WM will rollover and start the dialing process again with the first phone number. The Sandard emergency mode is set to utilize "Called Party Disconnect". The HF-2WM will hang up within 8 seconds after the called party hangs up.

2. Optional **Ring Down Mode:**

When call call button is pressed, the unit engages its primary relay for the duration of the call, activating the emergency strobe light. The HF-2WM seizes the telephone line and waits for the PBX to dial a preprogrammed number. This call may only be terminated by the called party. The optional ring down mode is set to utilize "Called Party Disconnect". The HF-2WM will hang up within 8 seconds after the called party hangs up.

A Site I.D. code feature provides for unit identification. The Site I.D. code is a programmable four digit code that is transmitted by the HF-2WM when it receives a command from the called party. This code, when interpreted by a Trigon DTMF Decoder, will identify the calling unit. A vocal message may also be programmed for site I.D. or for instructional purposes.

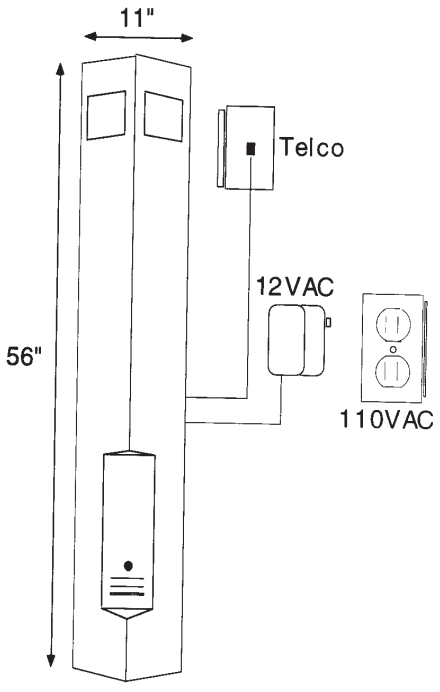


Figure 1

INSTALLATION

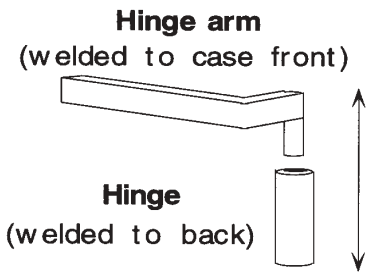


Fig. 2a

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.....1Z8898-62546-DI-T

Ringer Equivalence.....0.8B

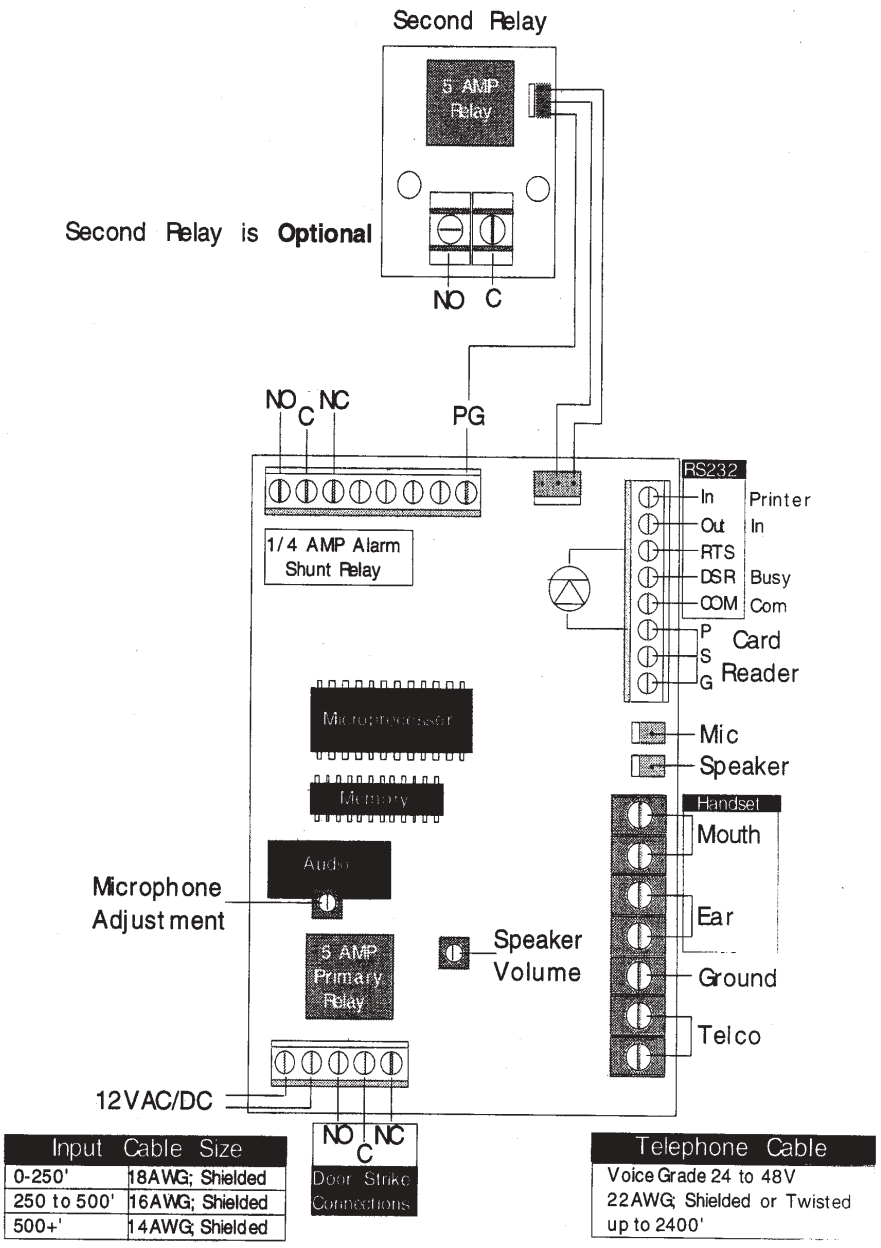
Connector.....Terminal Block

In order to make mounting more managable, separate the back by lifting the front case so the hinge pins clear the back mounted hinge (Fig.2a) . It will now be easier to lift the back into position. Mount the back plate through the six .3125 holes provided (use the back as a template for marking their location). Feed the wiring through the access holes located at the bottom of the case. At this point, the wiring should NOT be live (energized).

WIRING

1. Use the wiring diagram (Fig. 3) for wire connection information.
2. Do not power any other device from the Trigon's 12 VAC transformer. If a substitute transformer is used, be sure it is rated 12 VAC, 40VA, UL Class 2 listed. The 12 VAC input power wires should be 18AWG, 600V, insulated wire. This should be sufficient for distances up to 200 feet.
3. Do not energize wires until installation is completed.
4. 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.
5. Trigon recommends that an EMI filter (Cornell-Dubilier Model APF 1021 or equivalent) be mounted between the 12 VAC transformer output and the unit. EMI/RFI filters are available from Trigon. Mount the filter as close to the unit as possible. Ground the filter to the same point as unit ground.
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. Isolate the Telco phoneline from 12 VAC power wires. This will prevent 60 Hz hum from occurring on the phoneline. Use 22 AWG wire on Telco line run distances of up to 2400 feet. Consult the factory for distances greater than 2400 feet.
8. If all wiring and grounding is completed, close the front case.

WIRING DIAGRAM



Input	Cable Size
0-250'	18AWG; Shielded
250 to 500'	16AWG; Shielded
500+'	14AWG; Shielded

Telephone Cable

Voice Grade 24 to 48V
22AWG; Shielded or Twisted
up to 2400'