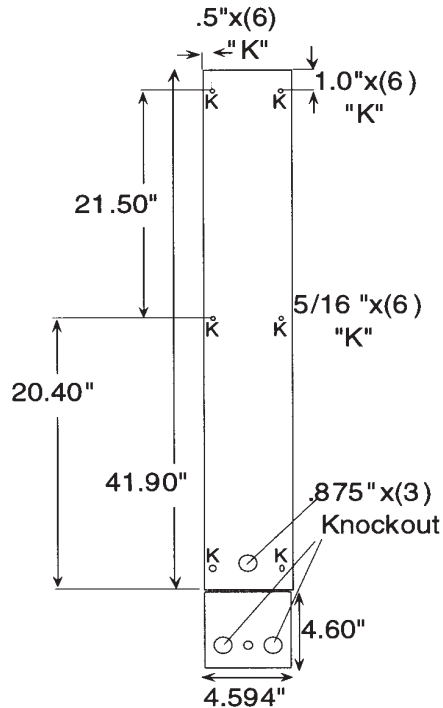


## HF-2 MiniTower

### INSTALLATION



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.....IZ8898-62546-DI-T  
 Ringer Equivalence.....0.8B  
 Connector.....Terminal Block

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 four .312" 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. Do not power any other device from the Trigon's 12 VAC transformer. The 12 VAC input power wires should be 18AWG, 600V, insulated wire. This should be sufficient for distances up to 200 feet.  
**IMPORTANT:** If a substitute transformer is used contact the factory before installation.
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. Power Relay 1 is a dry contact, Form C type, rated for 5 AMPS @ 30 VDC/ 250VAC.

9. If all wiring and grounding is completed, remount the faceplate.

**WIRING DIAGRAM**

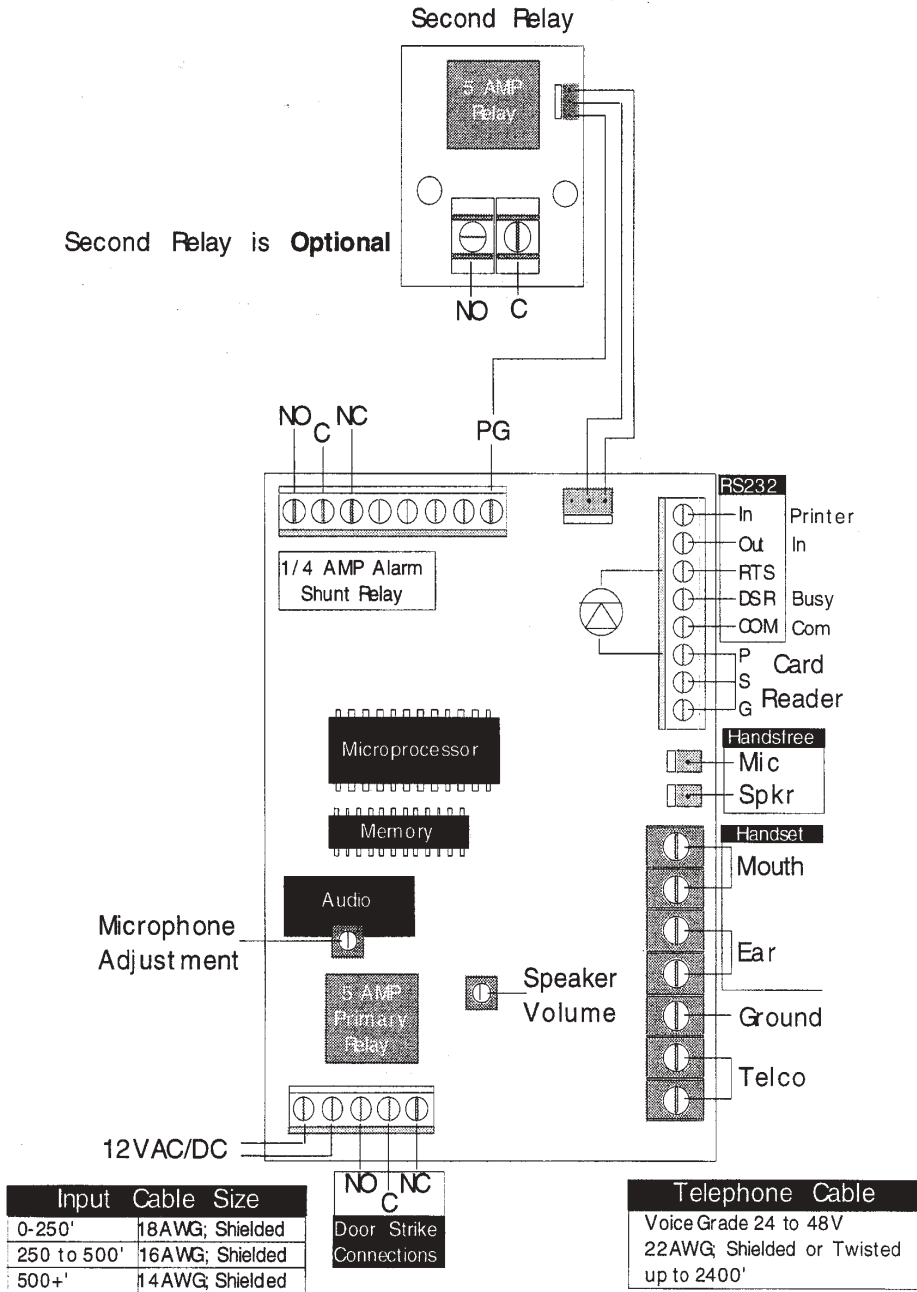


Figure 3