

Introduction

This manual details the installation of the **RF Only Monitoring System** in the home of a client.

Installer Tools

The following tools and resources simplify the installation process:

- Administrator Key
- Fiber-optic cable
- Base Unit LED Indicators
- Base Unit Buzzer.

Status Indicators

The Base Unit LED indicators and buzzer provide the installer with system status information. There are three LED indicators labeled Power, Status, Busy. The meaning of each indicator and buzzer code is outlined below:

BUZZER FUNCTION	1 BEEP	2 BEEPS
	a. Valid Transmission (Diagnostic mode) b. Key turned to Diagnostic.	Key turned to On.

LED FUNCTION	SOLID ON	FLASHING	OFF
Power (green)	AC power good	No AC, battery powered	No AC, Base Unit shut down.
Status (yellow)	Transmitter in range * (optional)	System tampered (Transmitter and/or Base Unit)	Transmitter out of range* (optional)
Busy (red)	Telephone line in use	Telephone line problem (e.g. disconnect, multiple phones off-hook)	Telephone line free

* If the system is tampered the Transmitter-in-range status is indicated by a flashing Status LED that is predominantly on (on for at least 5 seconds). Transmitter-out-of-range is indicated by a flashing Status LED that is predominantly off (off for at least 5 seconds).

a. **Install Transmitter**

a. ***Identify Components*** (Refer to Fig. 2)

The Transmitter kit contains the following items:

- Transmitter/Strap assembly
- Battery
- O-Ring
- Clasp.

Attach to Client

To attach the Transmitter to the client

Place the Transmitter/Strap assembly around the narrow part of the client's leg, just above the ankle

1. Thread the free end of the strap through the slot in the battery holder
2. Choose an eyelet in the strap that makes a comfortable, secure fit and slide the notch on the battery holder through the eyelet
3. Place a battery, positive (+) side up, into the battery holder and add an o-ring to the holder
4. Hinge the Clasp on the slots provided on the battery holder and snap it shut over the battery.

5. **Install Base Unit**

The Base Unit kit consists of

- A Base Unit
- One Administrator Key
- One 12 foot telephone cord
- One Class 2 power supply

Locate Base

Place the Base unit on a sturdy surface located at least 30 inches above the floor. The chosen location must be close enough to both power and telephone wall outlets to allow safe connection. Keep the following points in mind when choosing a location for the Base Unit:

- If possible, choose a central location within the dwelling
- Do not place the unit beside or on top of large metal objects such as refrigerators, stoves and other appliances
- Keep the unit away from sources of interference such as television sets and microwave ovens.

Power Base (Refer to Fig. 1)

To prepare the Base Unit for client monitoring

1. Connect the class 2 power supply between the Base Unit Power connector and the AC wall outlet . All three LED indicators will be lit momentarily then flash off after the buzzer sounds. The LEDs will then turn on sequentially from top (Power Led) to bottom, as part of a self test. At the end of a successful self test, the green Power LED will remain on
2. Connect the telephone cord between the Base Unit's Line connector and the telephone wall outlet
3. Connect the client supplied telephone to the Phone connector of the Base unit. Take the telephone receiver off-hook and make sure a dial tone is present
4. Place the Base Unit in Diagnostic mode by changing the position of the Key Switch to the first position in a clockwise direction from the Off position. Diagnostic mode is indicated by a single beep from the Base Unit
5. connect the fiber-optic cable between the Base Unit's Fiber connector and the transmitter's programming window
6. Call the monitoring center and have them program the Base Unit and reset the transmitter.

6. ***Optimize RF Link***

Disconnect the fiber-optic cable once the monitoring center indicates successful programming of the Base Unit and transmitter. Perform a range test by instructing the client to walk into the various areas of the dwelling. The Base Unit will emit a beep for each transmission it receives, approximately once every 20 seconds. Move the Base Unit and/or call the monitoring center to vary the Base Unit's range if necessary.

Complete Installation

To complete the system installation

7. Turn the key-switch clockwise to the On position (Base Unit beeps twice).
8. Remove the Administrator key.
9. Instruct the client on the use of the system.

3. System Removal

To remove the system

10. Inform the monitoring center
11. Use a pair of snips to cut the snaps off the Transmitter Battery Clasp. **Do not cut the strap!**
12. Remove the Clasp and pull the perforated end of the strap out of the Battery Holder
13. Using the Administrator Key, turn the key switch counter-clockwise to the Off position
14. Disconnect the Class 2 power supply, telephone and telephone cord
15. Return all system components to their appropriate packaging.

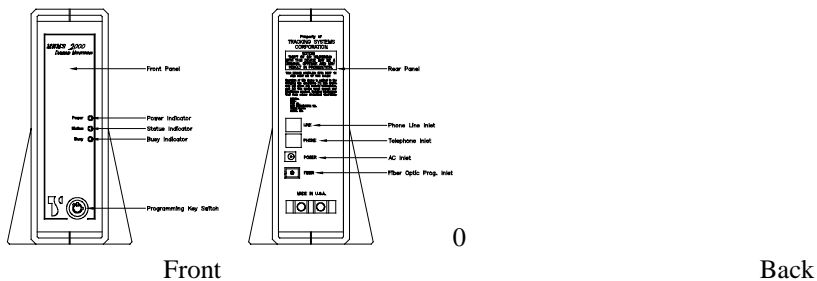


Fig. 1 Base Unit

0Fig. 2 Transmitter Kit

NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.

- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

EXHIBIT J

INFORMATION SUPPLIED TO THE USERS

Notification to the telephone company is no longer required prior to connecting the registered equipment but upon request from the telephone company which line the equipment is connected to as well as the registration number and the ringer equivalence (REN) of the registered protective circuitry. In most, but not all areas, the sum of all REN's should be 5.0 or less.

MALFUNCTION OF THE EQUIPMENT

In the event that the Tracking Systems Corporation MEMS2000 should fail to operate properly, the customer shall disconnect the equipment from the telephone line to determine if it is the customer's equipment which is not working properly, or if the problem is with the Tracking Systems Corporation MEMS2000 the user shall discontinue use until it is repaired. In the event service is needed, the user should contact;

Tracking Systems Corporation
2404 Park Drive

Commerce Park
Harrisburg, Pennsylvania 17110
(717) 671-8700

TELEPHONE CONNECTIONS REQUIREMENTS

Except for telephone company-provided ringers, all connections to the telephone network shall be made through standard plugs and standard telephone company provided jacks, or equivalent, in such a manner as to allow for easy and immediate disconnection of the terminal equipment. Standard jacks shall be so arranged that, if the plug connected thereto is withdrawn, no interference to the operation of the equipment at the customer's premises which remains connected to the telephone network, shall occur by reason of withdrawal.

INCIDENCE OF HARM

Should terminal equipment or protective circuitry cause harm to the telephone network, the telephone company shall, where practical, notify the customer that temporary discontinuance of service may be required. However, where prior notices are not practical, the telephone company may temporarily discontinue service if such action is deemed reasonable in the circumstances. In the case of such temporary discontinuance, the telephone company shall promptly notify the customer. The customer will be given the right to bring a complaint to the FCC if he feels the disconnection is not warranted.

CHANGES IN TELEPHONE COMPANY EQUIPMENT OF FACILITIES

The telephone company may make changes in its communications facilities, equipment, operations or procedures, where such action is reasonably required and proper in its business. Should any such changes render the customer's terminal equipment incompatible with the telephone company facilities, the customer shall be given adequate notice to make modifications to maintain uninterrupted service.

GENERAL

The FCC prohibits customer-provided terminal equipment be connected to party lines or to be used in conjunction with coin telephone service.

INSTALLATION

The Tracking Systems Corporation MEMS2000 is equipped with a USIC RJ11C standard miniature modular jack and is designed to plug directly into a modular jack.

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EXHIBIT J