SE2x-304 Series Transmitters User Guide and Setup Instructions

Part I, User Guide
(For Distribution to All SE2 Users)

1.0 Introduction

The SE2 Transmitters are personal transmitters designed to work with the Security Escort system. When initiated, a signal identifying you and your location is sent to the Security Escort monitoring station. The SE2 may also be tested within sight of a receiver or Siren/Strobe by the user.

NOTE: There are several SE2 models available, each with optional features. Checkboxes are provided in this document for your security department to indicate which features are available on your transmitter.

⊠ = This feature is enabled on this transmitter.

☐ = This feature is not enabled on this transmitter.

2.0 Using the SE2 Transmitter

2.1 Standard Operation

⊠ **Transmitting a Manual Alarm**

To send an alarm, press and hold the Alarm button for one second. The transmitter will send an alarm signal to the central console. With some SE2 models you may also visually confirm the signal if done in sight of a Receiver (Receiver will light the red LED). Once a manual alarm has been initiated the auto tracking feature will begin. The transmitter will send a signal to the central console every 15 seconds updating your location. To reset the transmitter after a manual alarm has been initiated, perform a test as described below.
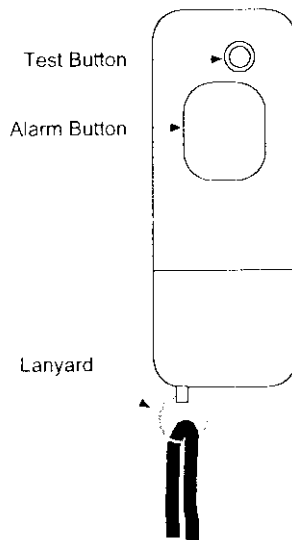

Test Button
Alarm Button
Lanyard

Figure 1. SE2 Transmitter

⊠ **Testing the Transmitter**

To test your transmitter, stand in sight of a Siren/Strobe or a Receiver. **While holding down the Test button,** press the Alarm button until you hear an audible tone. A test transmission will be sent to the central console. Also, the strobe on an outdoor Siren/Strobe or the green LED on a Receiver should light.

NOTE: There might be a brief delay of two or three seconds before the flashing light appears.

If you do not receive confirmation of a successful test transmission (i.e., the strobe on a Siren/Strobe did not light or the green LED on a Receiver did not light), try the test again. If there is still no confirmation, take the transmitter to the security department.

2.2 Optional Features

☐ **Man-Down Alarm Feature**

With the Man-Down feature enabled, the transmitter will alarm whenever the transmitter (you) is in a prone position (60° from upright). The transmitter will emit an audible tone upon sensing the prone position, and will initiate the auto tracking feature. To reset the transmitter after a man-down alarm has been initiated, return the transmitter to the upright position and perform a test as described in Section 2.1.

☐ **Lanyard Snatch Alarm Feature**

With the Lanyard Snatch Alarm feature enabled, the transmitter sends an alarm signal to the central console and initiates the auto tracking feature when the lanyard pin is pulled out of the unit. To reset the transmitter after a lanyard snatch alarm has been initiated, reinsert the lanyard pin and perform a test as described Section 2.1.

2.3 Wearing the Transmitter

The transmitter comes with a clip that allows it to be worn over a pocket or belt, or to be secured to a belt. Secure the clip to the transmitter (screws provided) at the two top positions to use it as a clip.

To use the clip securely on a belt, attach it at the third location at the bottom. Use the screw already in use (securing the battery door).

The clip has been designed to wear on a security type utility belt. If worn on a thin belt, be aware that such a loose fitting may cause the transmitter to activate the man-down alarm (if enabled) if there is too much loose movement.
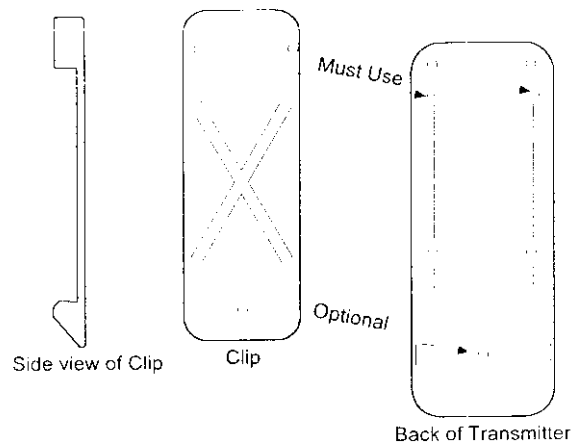

Must Use
Optional
Side view of Clip
Clip
Back of Transmitter

Figure 2. Belt Clip Attachment

⚠ **WARNING**

The Security Escort system is NOT a substitute for safe behavior. System users should not take personal risks under the misconception that the system will provide protection that will compensate for taking such risks.

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Part II, Setup Instructions
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3.0 Compatibility

The SE2x-304 models are compatible only with other "-304" Security Escort equipment, such as the EA102A-304. This equipment uses a 304.00 MHZ frequency and communicates using 5kbps RF protocol.

4.0 Setup Instructions

Models and Features

The various SE2 models and their features are indicated in the following table:

Feature	Model SE2S	SE2U	SE2M*	SE2S-SN	SE2U-SN
Man-Down	✔	✔	✔	✔	✔
Supervision Tracking	✔	✔	✔	✔	✔
Lanyard Snatch			✔	✔	✔
Auto Tracking	✔	✔		✔	✔
Silent Manual Alarm	✔			✔	
Low Battery Indication	✔	✔	✔	✔	✔

* The SE2M is used for testing the system only and will not generate a system alarm.

NOTE: Prior to distributing the attached User Guide, place an "X" in the box next to each feature enabled on the transmitter.

Removing the Cover

The Man-Down, Supervision Tracking, and Lanyard Snatch features are controlled by the jumpers next to the battery compartment. To remove the cover:

1) Remove the belt clip (if used).
2) Remove the retaining screw on the back of the enclosure (see Figure 3).
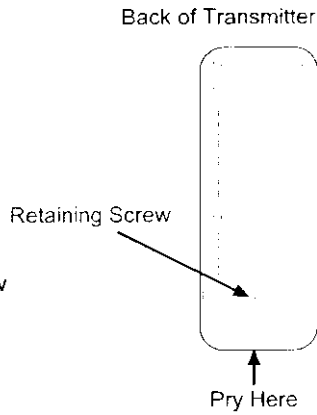3) Using a flathead screwdriver, pry the lower part of the front cover away from the rest of the enclosure.

Enabling/Disabling Features

The location of the specific Jumper for each feature is indicated in Figure 5. Note that the Lanyard-Snatch Jumper and Lanyard Switch are only included on the SE2M, SE2S-SN, and SE2U-SN models.

NOTE: Before moving the Jumpers, it is recommended that the battery be removed.
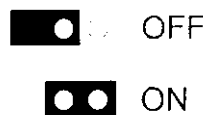

Figure 3. Retaining Screw Location

Figure 4. Jumper Positions

Supervision Feature

To enable the Supervision Tracking feature, place its jumper in the ON position, as indicated in Figure 4. This is accomplished by moving the jumper to cover both pins using a small pair of pliers. With the Supervision Tracking feature enabled, the transmitter will send a silent transmission to the central console approximately every 90 seconds. This enables the central console to monitor the battery and transmitter condition as well as track the transmitter's location within the protected area.

Man-Down and Lanyard Snatch Features

To enable the Man-Down, and Lanyard Snatch features place the desired feature's jumper in the ON position, as indicated in Figure 4. This is accomplished by moving the jumper to cover both pins using a pair of small pliers.

See 2.2 for descriptions of these features.

Battery

The transmitter uses a CR2, 3V Lithium battery. The central console will indicate when the battery is getting low and in need of replacement. See Figure 5 for battery polarity. The battery life is dependent on usage and enabled features.

5.0 FCC Notice

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry and Science Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

6.0 Warranty Disclaimer

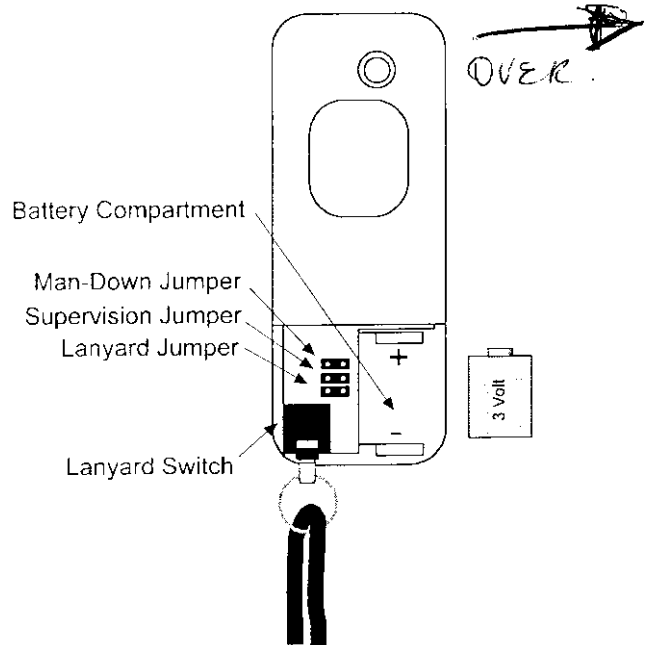Any changes or modifications to the Security Escort® personal transmitter not expressly approved by Detection Systems, Inc. will void the product warranty.

Figure 5. Internal Components