SE2X-304 Series

EN | Installation Instructions
Transmitters

BOSCH

FCC Notice

The SE2X-304 Series Transmitters comply with Part 15 of the Federal Communications Commission (FCC) Rules and with RSS-210 of Industry and Science Canada. Operation is subject to the following two conditions:

- This device cannot cause harmful interference.
- This device must accept any interference received, including interference that might cause undesired operation.

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1.0   Part I - User Guide

The section is for all Security Escort users.

1.1   Introduction

The SE2X-304 Series 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. These transmitters can also be tested within sight of a receiver or siren-strobe.
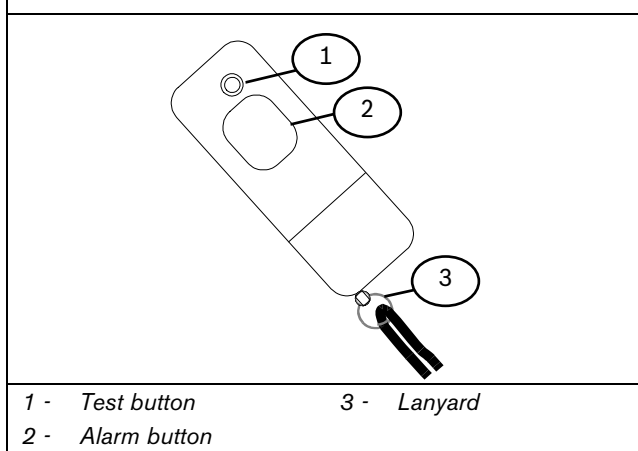
Several SE2 models are available, each with optional features. The check boxes in this document are for your security department to indicate which features are available on your transmitter. For example:

☒ Feature is enabled on this transmitter.

☐ Feature is not enabled on this transmitter.

⚡ The Security Escort System is not a substitute for safe behavior. Do not take personal risks believing the system will protect you.

Figure 1:   Basic SE Transmitter Features

| 1 - | Test button | 3 - | Lanyard |
| 2 - | Alarm button | | |

1.2   Using the SE2X-304

1.2.1   Standard Operation

☒ **Transmitting a Manual Alarm**

Send an alarm by pressing and holding the **Alarm** button for 1 sec. The transmitter sends an alarm signal to the central console every 7 sec, updating your location. With some SE2 models, you can visually confirm the signal if transmitted within sight of a receiver (LED lights red). After a manual alarm initiates, the auto tracking feature activates.

Reset the transmitter after a manual alarm initiates by performing a test as described in *Testing the Transmitter*.

☒ **Testing the Transmitter**

Test your transmitter by standing within sight of a receiver or siren-strobe. While holding down the **Test** button, press the **Alarm** button until you hear a tone. A test transmission is sent to the central console, lighting the green LED on a receiver lights or the strobe on an outdoor siren-strobe. There might be a brief delay of 2 to 3 sec before the flashing light appears.

If the receiver's LED or the strobe does not light to confirm a successful test transmission, re-test the transmitter. If you still do not receive confirmation, contact the security department.

1.2.2   Optional Features

☐ **Man-Down Alarm**

With the Man-Down Alarm feature enabled, the transmitter transmits an alarm whenever the transmitter (you) is in a prone position (60° from upright). The transmitter emits a tone on sensing the prone position and activates Auto Tracking.

Reset the transmitter after a Man-Down Alarm activates by returning the transmitter to the upright position and performing a test as described in *Section 1.2.1 Standard Operation*.

☐ **Lanyard Alarm**

With the Lanyard Alarm feature enabled (the pin is pulled out), the transmitter sends an alarm signal to the central console that activates Auto Tracking.
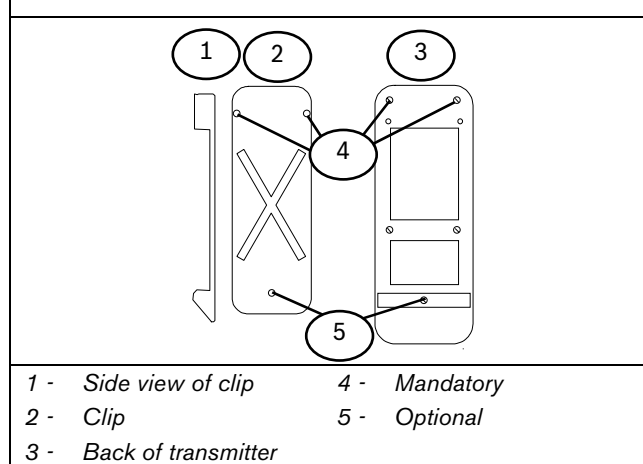
To reset the transmitter after a Lanyard Alarm activates, reinsert the lanyard pin and perform a test as described in *Section 1.2.1 Standard Operation*.

1.3   Wearing the Transmitter

This transmitter includes a clip you can wear over a pocket or belt or firmly fixed to a belt.

To wear the transmitter over a pocket, secure the clip to the transmitter at the two top positions using the screws provided. To wear the transmitter on a belt, attach the clip at the third location at the bottom using the screw that secures the battery door (*Figure 2*).

Figure 2:   Belt Clip Attachment

1 -	Side view of clip	4 -	Mandatory
2 -	Clip	5 -	Optional
3 -	Back of transmitter		

The clip is designed to wear on a security type utility belt. If worn on a thin belt, be aware that a loose fit might cause the transmitter to send a Man-Down Alarm (if enabled) when you move too much.

2.0 Part II - Setup Instructions

This section is only for Security Department use.

2.1 Compatibility

The SE2-304s are only compatible with other 304 Security Escort equipment, such as the EA102A-304. This equipment uses a 304.00 mHz frequency and communicates using 5 kbps RF protocol.

2.2 Models and Features

Table 1: SE2 Models and Features

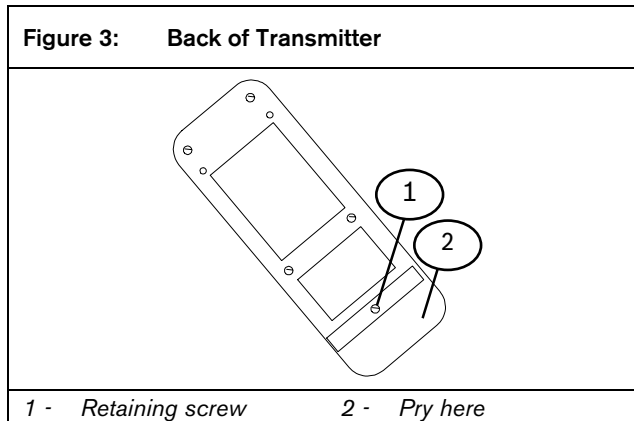| Feature	Model		
	SE2M*	SE2S-SN	SE2U-SN
Man-Down	☒	☒	☒
Supervision Tracking	☒	☒	☒
Lanyard	☒	☒	☒
Auto Tracking		☒	☒
Silent Manual Alarm		☒	
Low Battery Indication	☒	☒	☒

* Only use the SE2M for system testing. This model does not generate a system alarm.

2.3 Removing the Cover

The jumpers, located next to the battery compartment, control the Man-Down, Supervision Tracking, and Lanyard features.

1. Remove the belt clip, if used.
2. Remove the retaining screw (*Figure 3*).
3. Using a flat-head screwdriver, pry the lower part of the front cover away from the rest of the enclosure.
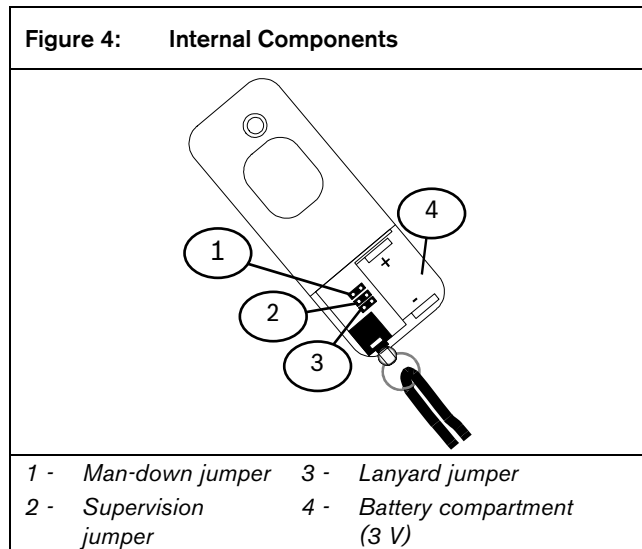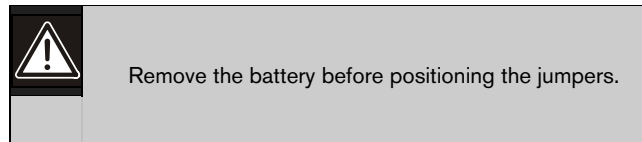
Figure 3: Back of Transmitter

1 - Retaining screw	2 - Pry here

2.4 Enabling and Disabling

Figure 4 shows the location of the specific jumper for each feature.

Figure 4: Internal Components

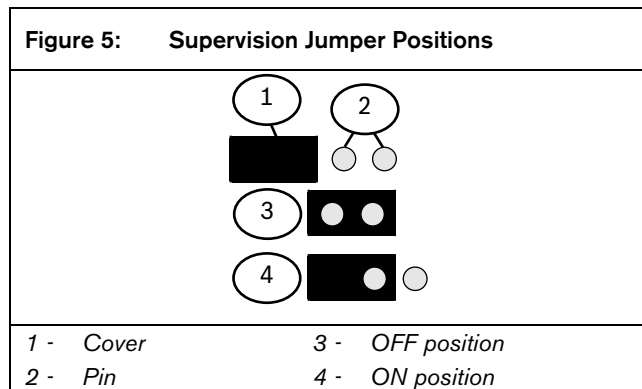| 1 - Man-down jumper	3 - Lanyard jumper
2 - Supervision jumper	4 - Battery compartment (3 V)

2.4.1 Supervision Tracking

⚠️ Remove the battery before positioning the jumpers.

To enable Supervision Tracking, use a small pair of pliers to move the jumper (*Item 1* in *Figure 5*) to cover both pins (*Item 2* in *Figure 5*).

Figure 5: Supervision Jumper Positions

1 - Cover	3 - OFF position
2 - Pin	4 - ON position

With this feaature enabled, the transmitter sends a silent message to the central console approximately every 90 sec, allowing the central console to monitor the battery and transmitter condition. The central console also tracks the transmitter's location within the protected area.

2.4.2 Man-Down and Lanyard

Enable the Man-Down and Lanyard features by positioning the setting the jumper to ON (*Item 3* in *Figure 5*). Refer to *Section 1.2.2 Standard Operation* on page 2 for descriptions of these features.

2.4.3 Battery

The transmitter uses a CR2, 3 V lithium battery. The central console indicates when the battery is low and needs replacement. Refer to *Figure 4* for battery polarity. The battery's life depends on usage and enabled features.

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