Overview

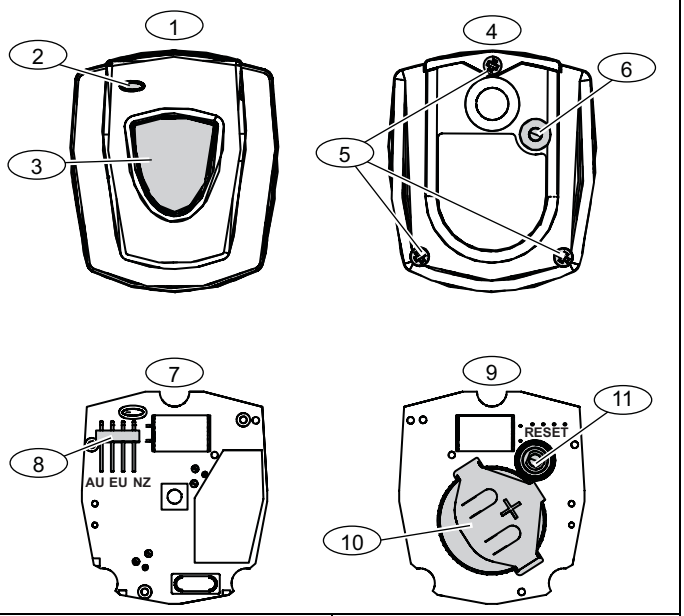
This product is designed to be maintained by professional security technicians.
This product is intended for indoor use.
Test this product weekly.

The ISW-EN1223D is a double-button, water-resistant pendant transmitter.

The ISW-EN1223S is a single-button, water-resistant pendant transmitter.

Figure 1 shows a layout of the transmitter components.

Figure 1: Transmitter Components (ISW-EN1223S shown)



1 - Front of transmitter	*7 - Front of PCB*
2 - Transmit LED	*8 - Frequency Band pins*
3 - Activation button	*9 - Back of PCB*
4 - Back of transmitter	*10 - Battery in holder*
5 - Housing screws (3)	*11 - RESET button*
6 - RESET button	

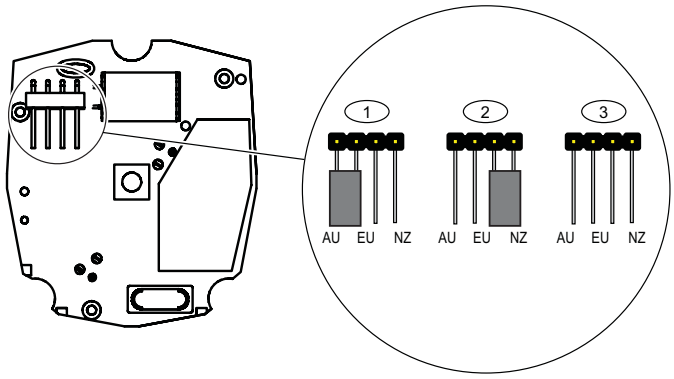
1.0 Installing the Battery

1. Remove the three housing screws from the back of the transmitter housing. Refer to *Figure 1*.
2. Open the housing.
3. Install the battery.
   Ensure that the positive terminal (+) faces the indicated side of the holder. Refer to *Figure 1*.

2.0 Selecting the Frequency Band

1. If necessary, remove the printed circuit board (PCB) from the transmitter housing.
2. Ensure that you are looking at the front of the PCB. Refer to *Figure 1*.
3. Select the appropriate frequency band for your geographic area. Refer to *Figure 2*.
4. Place the PCB into the back housing, place the front housing on top, and secure the housings together with the housing screws.
5. Press the RESET button. Refer to *Figure 1*.

Figure 2: Frequency Band Settings



1 - Australia (915 MHz to 928 MHz)
2 - New Zealand (921 MHz to 928 MHz)
3 - North America (902 MHz to 928 MHz) ***(default)***

When pressing the RESET button, do not touch the Frequency Band pins. Touching the Frequency Band pins while pressing the RESET button can inadvertently set the transmitter to the wrong frequency band.

3.0 Registering the Transmitter

You must register the transmitter with the system in order for the transmitter to be monitored and supervised.

When the transmitter is supervised, it sends a check-in message to the serial receiver or network coordinator every three minutes.

Each transmitter has a unique factory-programmed identification number. Refer to the receiver's documentation for details on registering a transmitter.

When prompted by the receiver to reset the transmitter, press the reset button on the transmitter. Refer to *Figure 1* on page 1.

Test the transmitter after it is registered with the system.

To test the transmitter, activate each of the conditions and ensure an appropriate response.

4.0 Operating the Transmitter

To activate or test the single-button transmitter, press and hold the button. To activate or test the double-button transmitter, press and hold both buttons.

Alarm signals are sent multiple times and are indicated by the blinking transmission LED. When the buttons are released, the transmitter sends an alarm restoral signal.

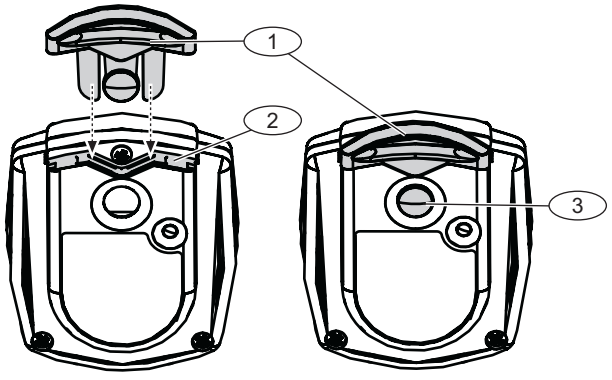
5.0 Carrying the Transmitter

The ISW-EN1223D and ISW-EN1223S can be carried in three ways:

- Around the neck as a pendant using the supplied cord
- On a belt with the supplied belt-clip attachment
- On the arm with the optional wristband accessory (ISW-ACC623S or ISW-ACC623L)

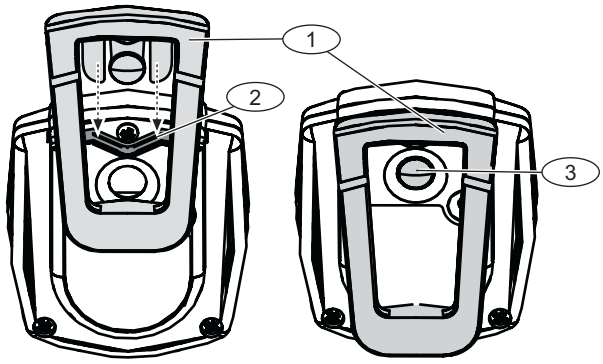
Refer to *Figure 3* and *Figure 4* to install neck cord clip or belt-clip attachments.

Figure 3: Installing the Neck Cord Clip Attachment



1 - Neck Cord Clip Attachment
2 - Attachment slot on back of transmitter housing
3 - Press button to release attachment from housing

Figure 4: Installing the Belt-clip Attachment



1 - Belt-clip Attachment
2 - Attachment slot on back of transmitter housing
3 - Press button to release attachment from housing

6.0 Specifications

Dimensions (H x W x D):	5.6 cm x 4.8 cm x 1.8 cm (2.2 in. x 1.9 in. 0.72 in.)
Power Requirement:	3 VDC at 60 mA
Operating Temperature:	0°C to +60°C (+32°F to +140°F)
Relative Humidity:	Up to 90% (non-condensing)
Battery Type:	Renata CR2450, Sanyo CR2450
Typical Battery Life:	3 to 5 years
Compatible Receivers:	ISW-EN4204, ISW-EN4216R, and ISW-EN7280
Optional Wristband:	ISW-ACC623S or ISW-ACC623L

WPP

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