

## Trademarks

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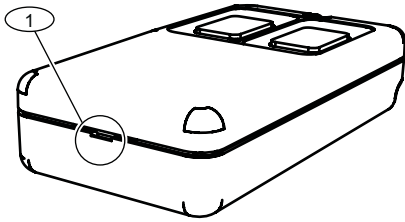
## Overview

The ISW-EN1235DF (double-button) and ISW-EN1235SF (single-button) are fixed location transmitters that feature a rugged design and wall tamper function.

### 1.0 Open the Transmitter Housing

Insert a small, flat-bladed screwdriver into the housing notch, and gently pry the housing apart.

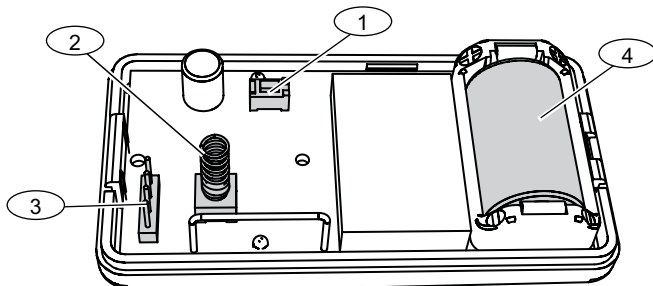
**Figure 1: Transmitter Housing (ISW-EN1235DF shown)**



1 - Housing notch

Refer to Figure 2 for component locations.

**Figure 2: Transmitter Components**



- 1 - Reset button
- 2 - Wall tamper switch with spring
- 3 - Frequency band pins
- 4 - Battery

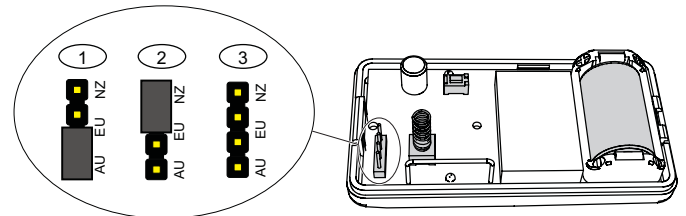
### 2.0 Select the Frequency Band

Select the appropriate frequency band for your geographic area. Refer to Figure 3.



If you change the transmitter's frequency band setting after initial installation, press the Reset button for the new setting to take effect.

**Figure 3: 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)**

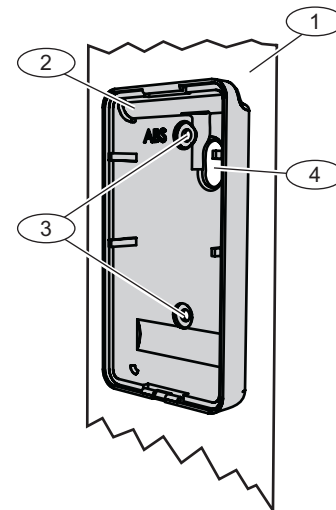
### 3.0 Mount the Transmitter

To ensure proper operation, the transmitter must be mounted on a surface. If the transmitter is not mounted on a surface, it will remain in a tamper state.

To mount the transmitter:

1. Mount the back plate of the transmitter housing on the intended surface using the supplied screws. Refer to Figure 4.

**Figure 4: Mounting the Housing Back Plate**



- 1 - Mounting surface
- 2 - Transmitter housing back plate
- 3 - Mounting holes
- 4 - Hole for wall tamper switch with spring



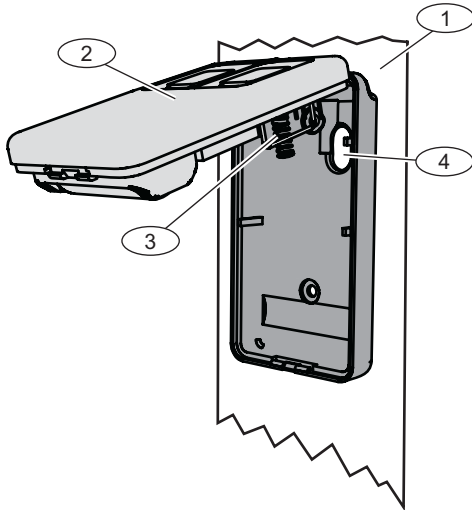
**BOSCH**

- Hook the top of the transmitter housing onto the latch on the top of the back plate. Refer to *Figure 5*.



Ensure that the spring on the wall tamper switch makes contact with the mounting surface through the hole in the back plate.

**Figure 5: Mounting Transmitter to the Housing Back Plate**



- 1 - Mounting surface
- 2 - Transmitter housing
- 3 - Wall tamper switch with spring
- 4 - Hole for wall tamper switch with spring

- Clip the transmitter housing in place onto the back plate.

#### 4.0 Install the Battery

- Install the battery in the location shown in *Figure 2*.
- Press the Reset button.

#### 5.0 Register 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 2* 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.

#### 6.0 Operate 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

#### 7.0 Specifications

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:	Panasonic® CR2, Sanyo® CR2, or equivalent
Typical Battery Life:	3 to 5 years
Compatible Receivers:	ISW-EN4204R, ISW-EN4216R, and ISW-EN7280

