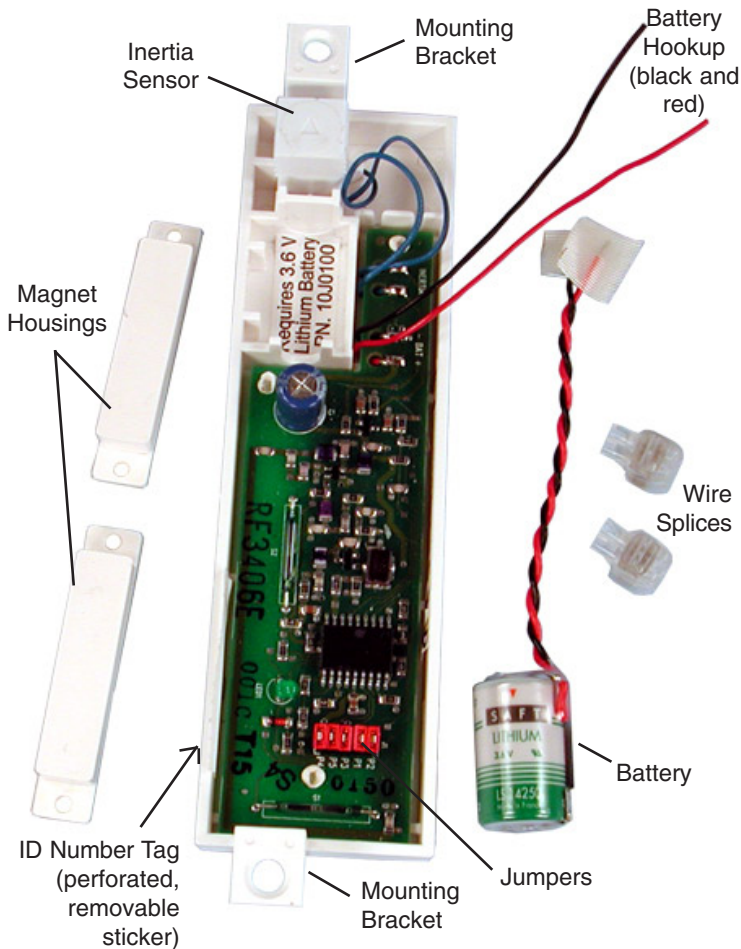


Installation Instructions for the RF3406E RF Inertia Transmitter



RF3406E RF Inertia Transmitter

1.0 General Information

The RF3406E Inertia Transmitter is a magnetic contact wireless transmitter with a built-in inertia sensor typically used for monitoring windows or other magnetic contact devices. The RF3406E is custom designed for Everest.

The Inertia Transmitter is equipped with internal reed contacts for use with external magnet assemblies and an inertia sensor for detecting shock.

System supervision is provided by transmitting a signal every 14 minutes if there is no other sensor activity. All transmissions send battery status information.

2.0 Specifications

• Dimensions (HxWxD):

Transmitter: 2.7 x 2.4 x 16.9 cm

Magnets: 1.9 x 1.3 x 6.0 cm

• Operating Temperature:

-20°C to +60°C

• Frequency Band:

433.42 MHz

• Maximum RF Power:

Less than 10 mW

• Operating Voltage:

Supplied by a 3.6 VDC lithium battery

• Battery Life:

A minimum of 1 year under normal

operating conditions with the

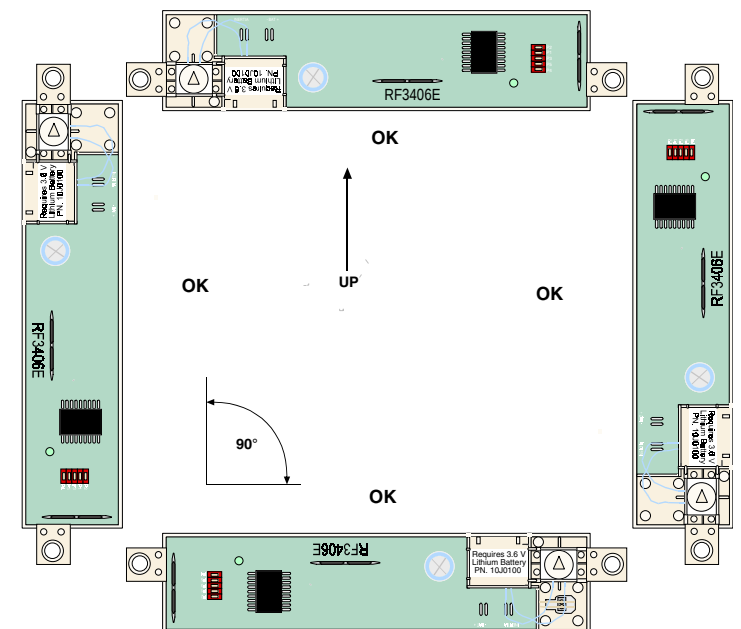
recommended battery type.

3.0 Mounting

3.1 Mounting Considerations

The maximum range of the Inertia Transmitter, in open field, is approximately 300 meters. In normal residential or commercial applications it is recommended that the Inertia Transmitter be kept within 100 meters of the receiver to which it is assigned.

Note that the transmitter **must** be mounted in an acceptable orientation, as shown in Figure 1. Note the orientation of the Inertia Sensor.



View of Underside

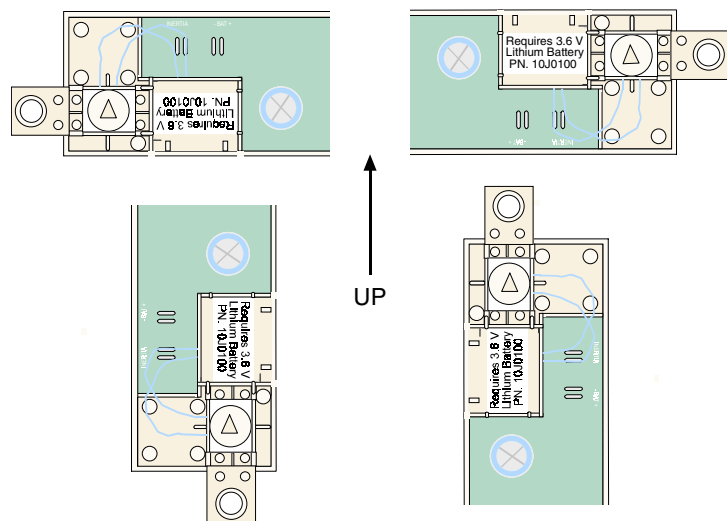
Figure 1 - Acceptable Mounting Orientations



detection systems

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4.1 Minor and Gross Attack - Jumper 1



3.2 Mounting the Magnets

4.2 Sensitivity for Minor Attack - Jumper P3

The diagram illustrates the tamper detection mechanism in two views:

- Side View:** Shows a cross-section of the device. A **Magnet** is positioned on the left, and an **S2 Tamper Location Marking** is indicated on the right side of the device's internal structure.
- View of Underside:** Shows the bottom of the device. Key components labeled include:
 - S1 Window:** A red rectangular component.
 - S2 Tamper:** A black rectangular component.
 - RF3406E:** A component labeled with a circled 'X'.
 - Magnet:** A component at the top right corner.

P4/P5 Gross Attack Sensitivity

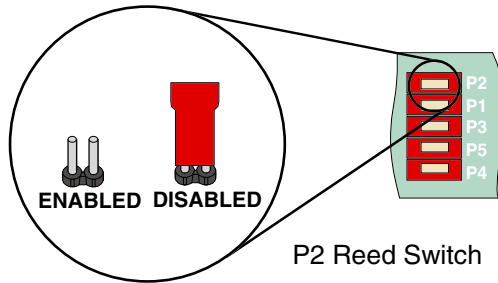
The diagram illustrates the sensitivity of the P4/P5 gross attack to the configuration of the P4 and P5 components. The components are arranged in a circle, and the sensitivity is categorized into four levels: LOW, MEDIUM / LOW, MEDIUM / HIGH, and HIGH.

- LOW:** P4 and P5 are both red blocks.
- MEDIUM / LOW:** P4 is a grey cylinder, and P5 is a red block.
- MEDIUM / HIGH:** P4 is a red block, and P5 is a grey cylinder.
- HIGH:** P4 and P5 are both grey cylinders.

A callout on the right shows a stack of five components (P2, P1, P3, P5, P4) with a red circle highlighting the P4 component, indicating its role in the gross attack.

4.4 Reed Switch Enable - Jumper P2

If the Jumper P2 is removed, the internal magnetic reed switch S1 is enabled.



P2 Reed Switch

4. Repeat steps 1 through 3 using the other wire splice for the red wires.
5. Place both wire splices in the open cavity at the end of the transmitter base, as shown in Figure 6.
6. Insert the battery in the transmitter housing as shown in Figure 6.

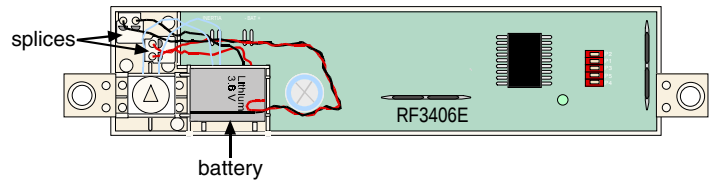


Figure 6 - Completing the Battery Installation

NOTE: For a replacement battery, please contact the manufacturer. Install as outlined in Section 5.0.

5.0 Battery Installation

1. Insert the end of the black wire from the transmitter base into one of two openings in a wire splice. Be sure to push the wire all the way in.
2. Insert the end of the black wire from the battery into the other opening of the wire splice. See Figure 4 below.

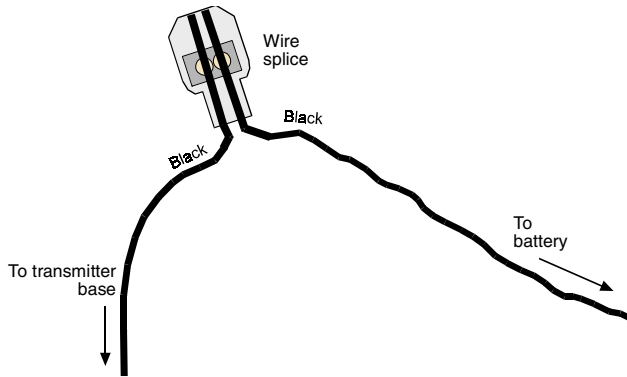


Figure 4 - Wiring the Transmitter Base to the Battery

3. Firmly squeeze the two halves of the splice together using a pair of pliers. See Figure 5 below.

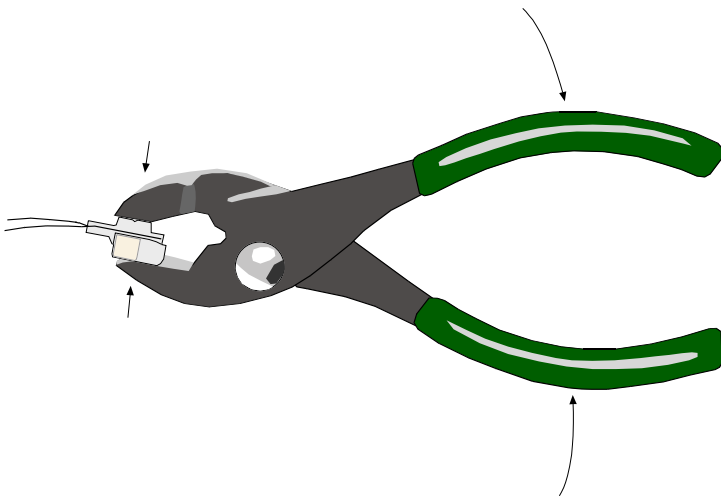


Figure 5 - Clamping the Battery Splice

6.0 Panel Programming

There is a two-part ID sticker located on the base of the RF3406E. You will need the number on this sticker to program the Inertia Transmitter into the Control Panel. See your panel's Programming Guide for programming information on wireless type devices.

