

Installation Instructions for the RF3212E RF Receiver

1.0 General Information

The RF3212E RF Receiver allows you to use wireless devices when used with the EDM Solution Control/Communicator.

2.0 Specifications

- **Dimensions (HxWxD):** 10.8 cm x 15.2 cm x 3.0 cm
- **Operating Temperature:** 0°C to +65°C
- **Frequency:** 433.42 MHz
- **Power Requirements:** 12 VDC, 30 mA, nominal
- **Compatible Control Panels:** EDM Solution Ultima models 844, 862, 880
- **Compliance:** CE 0165 - This device complies with EN 300683, EN 300220, and 89/336/EEC.

3.0 Mounting

3.1 Mounting Considerations

- The Receiver should be mounted in a central location in regard to all wireless sensors, whenever possible.
- The Receiver should be mounted on a vertical surface with at least 25 cm clearance for the antennas.
- Avoid mounting the Receiver in areas with significant metal or electrical wiring; such as, furnace rooms and utility rooms. If this is unavoidable, mount the Receiver with the antennas extending above any metal surface.
- Avoid mounting the Receiver in areas where it may be exposed to moisture.
- Reception distances are generally improved with higher mounting locations and with no metal objects near the Antennas.

3.2 Wall Tamper Setup (Optional)

To enable the Wall Tamper Switch, follow the procedure below. If the use of the Wall Tamper is **not** desired proceed to section 3.3.

- Remove the Outer Cover of the Receiver (see Figure 1) and set it aside.

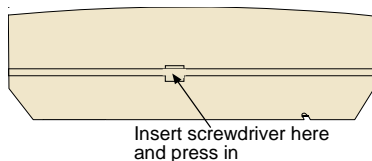


Figure 1 - Removing the Outer Cover

- Remove the Inside Cover (see Figure 2) by pressing the Latch.

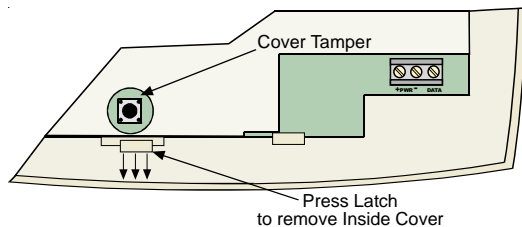


Figure 2 - Removing the Inner Cover

- Move the Wall Tamper Jumper as shown in Figure 3.

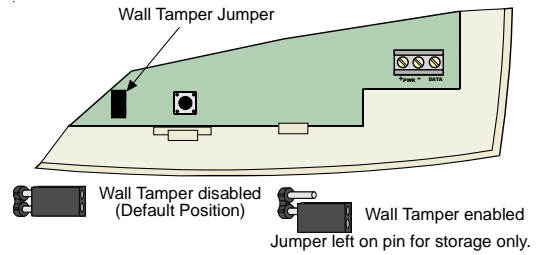


Figure 3 - Wall Tamper Jumper

- Replace the Inside Cover.
- Place the Spring from the hardware packet over the shaft of the Tamper Switch located on the back of the Receiver (see Figure 4).

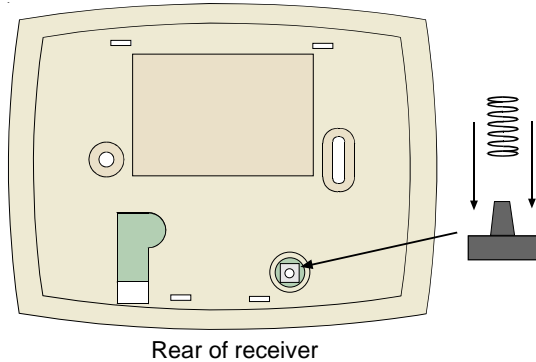


Figure 4 - Installing the Tamper Spring

NOTE: Gently press the Spring onto the tapered shaft. Do **not** force it down onto the shaft.

3.3 Mounting the Receiver

- Determine the mounting location of the Receiver.
- If not already done, remove the Outer Cover from the Receiver (see Figure 1) and set it aside.
- Place the Receiver base on the wall at the desired mounting location and mark the two Mounting Holes (see Figure 5).

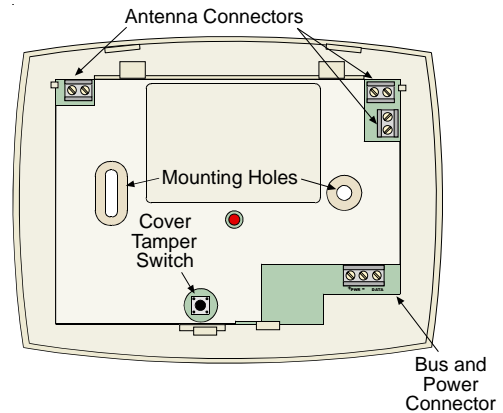


Figure 5 - Receiver with Outer Cover removed

- Drill holes and install anchors (supplied) if necessary.
- Secure the Receiver base to the wall with screws (supplied).
- Insert an Antenna into the outside terminal on two of the Antenna Connectors as shown in Figure 6. Tighten screws to secure the Antennas.

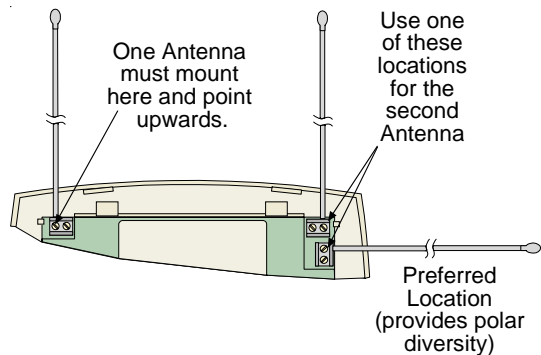


Figure 6 - Connecting Antennas

NOTE: The remaining Antenna Connector and the remaining holes in the used Antenna Connectors are **not** used.

4.0 Wiring and Power Up

4.1 Wiring the Receiver to the Control Panel

- Disconnect power from the Control Panel.
- Connect the Receiver Terminals to the Control Panel Terminals as shown in Figure 7 using 0.8 mm diameter or larger wire. Wire length between the Receiver and the Control Panel should not exceed 300 meters.
- Replace the Outer Cover.

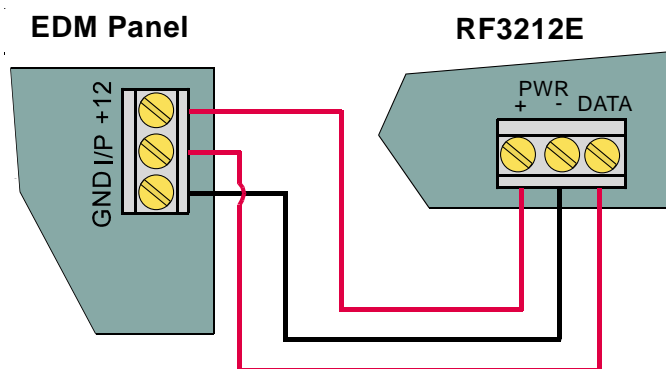


Figure 7 - Connecting to the EDM Panel



Do not connect the RF3212E to the Keypad Bus on the EDM Panel.

- Apply power to the Control Panel. The red LED at the center of the Receiver should light.

4.2 LED Status

The following describes the status of the Receiver based on the LED condition.

- LED on - The Receiver is functioning normally.
- LED off - A power failure has occurred or the Receiver is not wired correctly.
- LED flashes - The Receiver acknowledged receiving an RF signal from a compatible RF transmitter.

5.0 Panel Programming

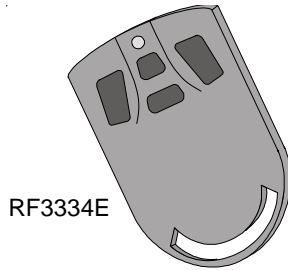
For programming information, refer to the following Control Panel Reference Guides:

Solution Ultima 844 Quick Reference Guide MA844Q

Solution Ultima 862 Quick Reference Guide MA862Q

Solution Ultima 880 Quick Reference Guide MA880Q

User's Guide for the RF3334E Wireless Keyfob



1.0 General Information

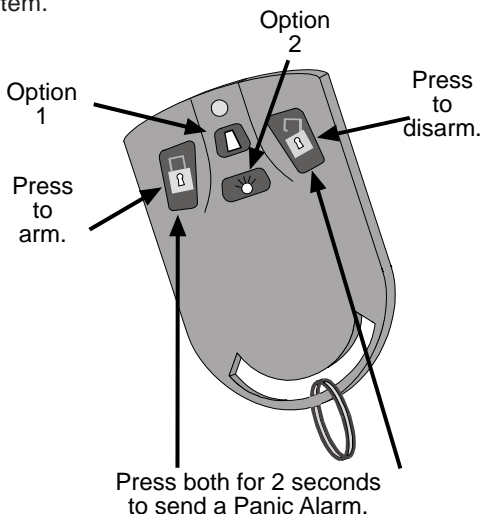
The RF3334E is a battery-operated, hand-held four-button RF transmitter. It can be used to send system arm, system disarm, and panic command signals to receiver(s) and repeater(s) in compatible wireless security systems. It also has two option keys whose functions are defined by the user.

2.0 Specifications

- **Dimensions:** 38 mm x 63 mm x 13 mm
- **Operating Temperature:** -20°C to +65°C. Relative humidity ranges from 0% to 95% (non-condensing).
- **Operating Voltage:** 4.4 VDC to 6.6 VDC, nominal 6 VDC supplied by two 3 VDC lithium batteries.
- **Carrier Frequency:** 433.42 MHz \pm 75 kHz
- **Battery Life:** A minimum of 5 years under normal operating conditions with the recommended battery types.
- **Recommended Battery Types:** Duracell DL2025, Eveready CR2025, or Panasonic CR2025.

3.0 Features of the RF3334E

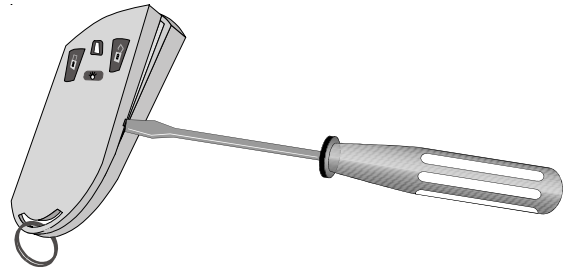
The RF3334E can arm and disarm your alarm system. The keyfob has the ability to send a Panic code to your monitoring company if your security system is programmed to do so. It can also be programmed to control other devices within the protected area. The LED will flash to indicate that a signal has been sent to your alarm system.



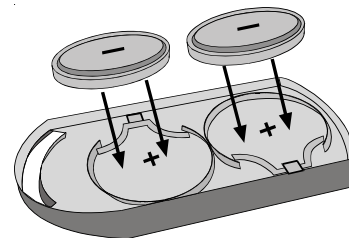
4.0 Battery Replacement

The batteries will need to be replaced approximately every 5 to 6 years. If you notice the range of the keyfob is decreasing or if the LED is not working, it may be time to replace your batteries. Battery life will vary depending on the amount of use. Using the recommended battery types ensures correct operation of the keyfob.

1. Remove the cover using a small screwdriver.



2. Insert the new batteries and observe the polarity.



3. Replace the cover.



