

Installation Instructions for the RF3212 RF Receiver

1.0 General Information

The RF3212 RF Receiver allows you to use wireless devices when used with the EDM Solution Control/Communicator.

2.0 Specifications

- **Dimensions (HxWxD):** 4.3 in. x 6.0 in. x 1.2 in.
10.8 cm x 15.2 cm x 3.1 cm
- **Operating Temperature:** +32°F to +150°F (0°C to +65°C)
- **Frequency:** 304.00 MHz
- **Power Requirements:** 12 VDC, 30 mA, nominal
- **Compatible Control Panels:** EDM Solution Ultima models 844, 862, 880

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 10 in. (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.

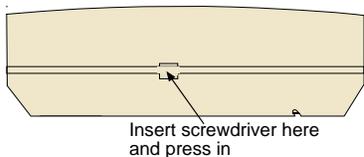


Figure 1 - Removing the Outer Cover

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

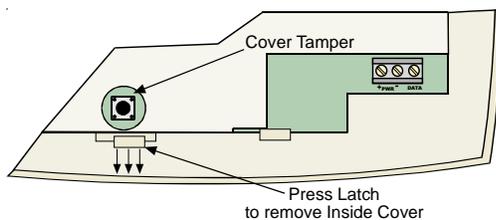


Figure 2 - Removing the Inner Cover

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

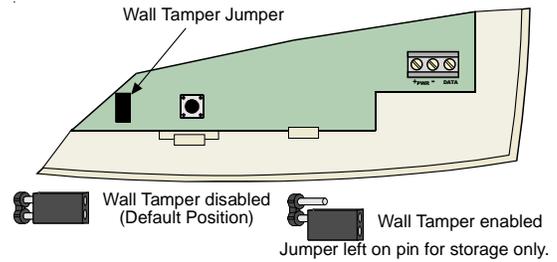


Figure 3 - Wall Tamper Jumper

- 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).

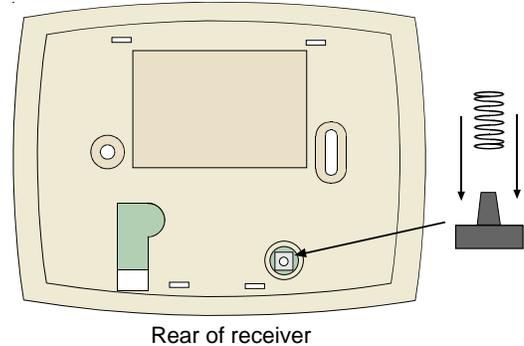


Figure 4 - Installing the Tamper Spring

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).

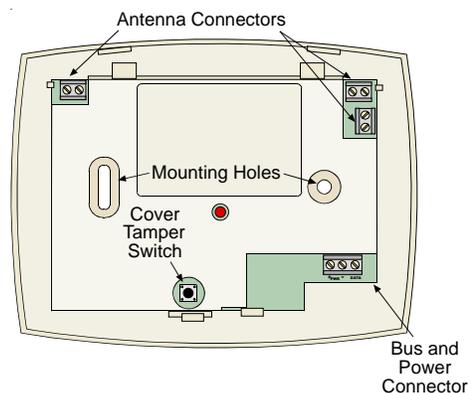


Figure 5 - Receiver with Outer Cover removed

- 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.

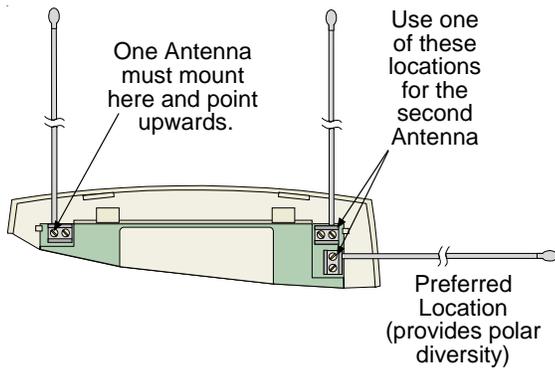


Figure 6 - Connecting Antennas

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 20 AWG (0.8 mm) or larger wire. Wire length between the Receiver and the Control Panel should not exceed 328 yards (300 m).
- Replace the Outer Cover.

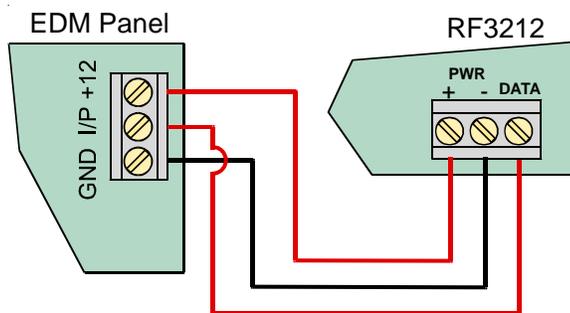


Figure 7 - Connecting to the EDM Panel



Do not connect the RF3212 to the Keypad Bus on the EDM Panel.

CAUTION

- 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