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.

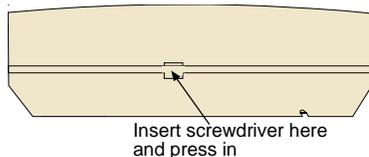- Remove the Outer Cover of the Receiver (see Figure 1) and set it aside.

Insert screwdriver here
and press in

Figure 1 - Removing the Outer Cover

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

Cover Tamper

Press Latch
to remove Inside Cover
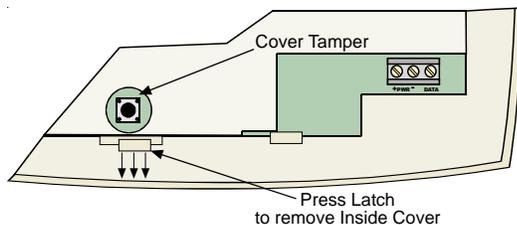
Figure 2 - Removing the Inner Cover

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

Wall Tamper Jumper

Wall Tamper disabled
(Default Position)

Wall Tamper enabled
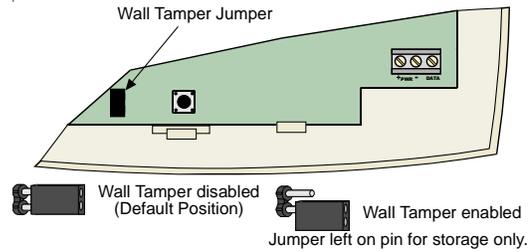
Jumper left on pin for storage only.

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).
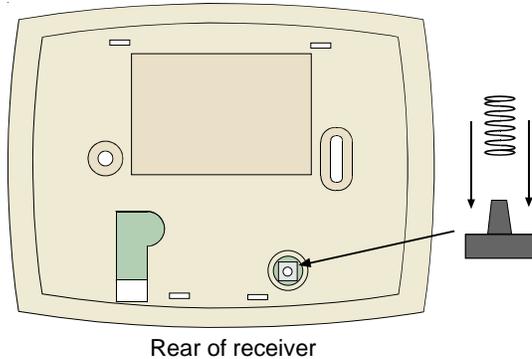

Rear of receiver

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).
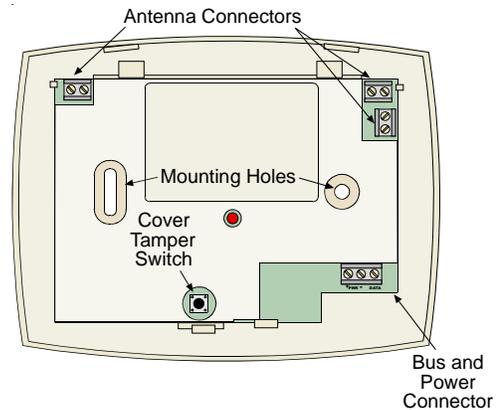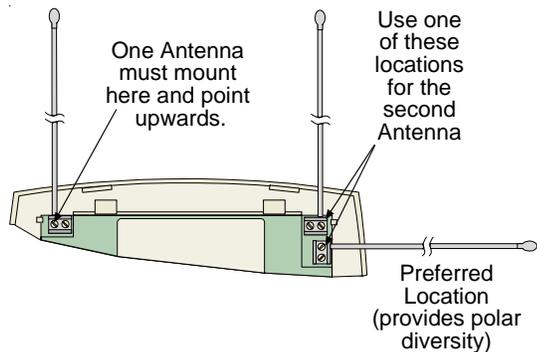

Antenna Connectors

Mounting Holes

Cover Tamper Switch

Bus and Power Connector

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.

Security Systems

BOSCH

One Antenna must mount here and point upwards.

Use one of these locations for the second Antenna

Preferred Location (provides polar diversity)

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.

EDM Panel   **RF3212E**

Figure 7 - Connecting to the EDM Panel

CAUTION

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.
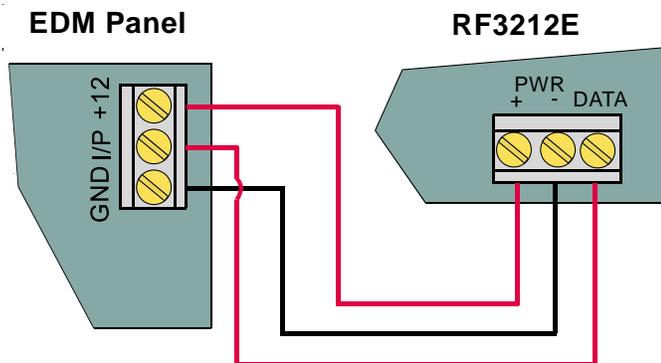
5.0 Panel Programming

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

© 2004 Bosch Security Systems
130 Perinton Parkway, Fairport, New York, USA 14450-9199
Customer Service: (800) 289-0096; Technical Support: (888) 886-6189

03/04
RF3212E Installation Instructions
P/N: 42785E   Page 2