Secure Wireless

EVOLUTION SERIES
"The Next Generation in Security Peripherals"

EV-REC3

**Technical Assistance is available
Monday-Friday 7:00am-5:00pm PST
866-908-TECH(8324)**

Rev. 2

Set-Up

The REC 3 is made to operate with any Ademco panel that is wireless compatible. The process to enroll the REC wireless devices is virtually the same as installing an Ademco receiver and devices. If you have any questions please feel free to call technical assistance for help at (866)908-TECH (8324).

Installation & Programming

Ademco/First Alert Panels 10P, 10SE, 15, 15P, 20P, 20SE, 20PS and 30PSE

Step 1) Wire the REC3 receiver to the Ademco data bus*(seepg.2).

Step 2) If serial numbers have already been downloaded to testing. If you need to program the sensors ENTER Installer code + 800

Step 3) Press *56 for Wireless Zone Programming

Step 4) Set to Confirm? Press 0

Step 5) Enter Zone Number + * (Example 10*) **(seepg.3)

Step 6) You will see an overview screen, PRESS *

Step 7) Select Zone Type: See Below (Enter 2 digits + *)

Step 8) Enter Report Code + *

Step 9) RF Transmitter;
Enter '3' for Supervised
Enter '4' for Unsupervised
Enter '5' for a Wireless Key (Hand held remote)
After pressing 3,4 or 5 PRESS*

Step 10) Type in serial number OR Fault and restore sensor (for wireless keys, press desired button and PRESS *

Step 11) Keypad will display programming overview, PRESS *

Step 12) Once faulted and restored the serial number and loop will automatically be displayed on the keypad.

IMPORTANT: It may take up to 2 seconds after faulting and restoring before serial number is displayed. This delay only occurs during programming and will not be present during normal operation.

Zone Types

00= Not Used	12= Monitor Zone
01= Entry #1	14= Carbon Monoxide
02= Entry #2	16= Fire W/ Verification
03= Perimeter	23= No Alarm Response
04= Interior Follower	24= Silent Burglary
05= Trouble Day/Alarm Night	77= Keyswitch
06= 24 Hour Silent	81= AAV Monitor Zone
07= 24 Hour Audible	90-91= Installer Configurable
08= 24 Hour Aux	20= Armed STAY
09= Fire	21= Armed-AWAY
10= Interior W/ Delay	22= Disarmed

For a more detailed list please refer to your alarm installation manual.

* Do not mount the receiver in the metal alarm enclosure. Because the receiver can attach to anywhere on the 4 wire bus try to mount the receiver in a central location. The REC3 does not require specific location mounting since it should work flawlessly in any location but if possible it is always best to mount closest to the center of the house.

** The REC3 will handle as many zones (up to 128) as the Ademco control panel you are connected to. For example, A Vista 20P can handle 48 wireless zones, so the REC3 will allow up to 48 devices.

If Using Wireless Keys

- Each REM-REC3 can control up to 8 different functions by using the 4 buttons or combinations of double button presses. To access channels 5-8 press any combination of top, side or bottom buttons simultaneously. These are a GREAT way to eliminate false alarms since pressing both buttons simultaneously are required to send that specific serial number and loop.
- If using wireless keys it may be necessary to give an authorization level before they will operate even though you have enrolled and defined them in section 56 of programming. The authority level ties a user code to the wireless key.

RF User:
From The Keypad:
1) Enter Master Code + 8 + User Number + #4 + Zone Number

Addressing the Receiver

The receiver is addressable from 00-06. The default address is 00. If you are using a Vista 40 or higher panel you will need to change the default receiver address to 01-06.

To change the receivers address:
Step 1) Unplug power from the REC3

Step 2) Press and HOLD the program button on the receiver while plugging power in.

Step 3) Release program button and press program button one time for address 1, press program button two times for address 2 and so forth. Then WAIT 5 seconds and the LED will flash once to confirm address 1, twice for address two and so forth.

* To make the REC3 address 00 (Default) on step 3, NO NOT press anything. After 5 seconds it will move back to 00.

On Board Relay

This relay can be used to open or close a garage door or security gate and can be programmed to energize when it sees any of 8 REM-REC3 buttons. See programming and wiring below:
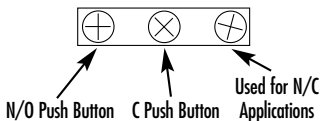
Programming Remote Buttons to the Relay

Step 1) Press and release the program button on the REC3 the LED will turn RED

Step 2) Press button or combination of buttons on a REM-REC3, LED will turn OFF

Step 3) REC3 has learned that button and will energize the relay each time it is pressed. You must wait a minimum of 1.5 seconds between button presses or the receiver will ignore the button press.

Wiring the Relay

*Connect the N/O and C terminals to the garage door push button

N/O Push Button   C Push Button   Used for N/C Applications

Erasing Remote Buttons from the Relay

Step 1) Press and HOLD the program button on the receiver, LED will turn RED

Step 2) Continue to hold for approximately 10 seconds until the LED turn GREEN. All remotes have been erased from the relay

Step 3) Go to 'Programming Remote Buttons to the Relay' to add

Using an Ademco and REC3 Receiver at the Same Time

You can add an REC3 to an existing Ademco receiver which resides at address 00. Under normal circumstances there can only be 1 receiver set to address 00. By following the directions below, it is possible to have both an REC3 and an Ademco receiver attached to the same panel.

Hardware

The REC3 can be simultaneously wired with any Ademco 5800 receiver including: 5881ENL, 5881ENM, 5881ENH, 6128RF, 6150RF, 6160RF

Specifications and Features

* Allows the REC3 to work with Ademco 5800 Wireless receivers so that you can mingle REC3 wireless devices and Ademco 5800 wireless devices on the same Vista panel.

Programming

The REC3 default setting is to be the only receiver on an Ademco panel. If you wish to also use a 5800 series receiver you must program the REC3 to share address 00.

- **Step 1)** Unplug the REC3 harness
- **Step 2)** Press and HOLD the program button on the REC3 while plugging in the 4 wire harness. Once the on board LED turn AMBER, release the program button
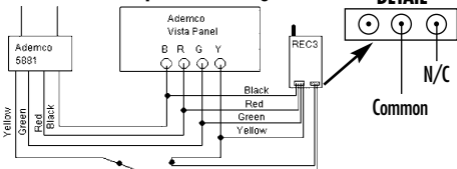- **Step 3)** Press and release the program button 8 times on the REC3. The LED will flash 8 times to confirm it is in Dual Receiver mode.

NOTE: If you wish to go back to single receiver mode at address 00, Follow steps 1-2, once you get to step 3 DO NOT pressany button for 5 seconds, it will then revert back to single receiver mode.

Wiring and Set Up

Wire the 5881 RED, BLACK and GREEN to the Vista Control Panel as normal. The YELLOW wire will be run into the N/C and Common contacts of the REC3 relay. This relay is used to direct communications between the REC3, 5881 and the Vista panel (See wiring diagram below).

2.2 Terminal Description and Wiring

Wiring and Set Up (continued)

Limitations

If you are using an REC3 and an Ademco 5800 receiver the maximum number of combined zones will be defined by the 5800 receiver connected to the Vista panel. For example; if you are using a 6150RF and an REC3 on a Vista 20P the maximum number of wireless zones you will be able to use are 16 since the 6150RF will only allow a maximum of 16 wireless zones. If there is NO 6150RF being used and the REC3 is the only receiver reporting to the Vista panel then you would be able to use all 48 wireless zones.

Federal Communications Commission (FCC) Statement

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interferences to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• If using an indoor antenna, have a quality outdoor antenna installed.
• Reorient the receiving antenna until interference is reduced or eliminated
• Move the receiver away from the control/communicator.
• Move the antenna leads away from any wire runs to the control/communicator.
• Plug the control/communicator into a different outlet so that it and the receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

The user or installer may find the following booklets prepared by the Federal Communications Commission helpful: "Interference Handbook". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. The user shall not make any changes or modifications to the equipment unless authorized by the installation instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions. (1)This device may not cause harmful interference, and (2)This device must accept any interference received, including interference that may cause undesired operation.

Per FCC 15.21, you are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.