

Secure Wireless

EVOLUTION SERIES

"The Next Generation in Security Peripherals"

EV-REC3-ADM

This side for ADEMCO users!

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.

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

Secure Wireless is not affiliated with Ademco Security Systems.

Set-Up

The REC3 is made to be compatible with any Ademco Vista Panel (Except Vista 128). The process to enroll any REC3 wireless device is virtually identical to what you are already used to. The REC3 accepts downloading or Keypad programming.

Installation & Programming

Ademco/First Alert Panels 10P, 10SE, 15, 15P, 20P, 20SE, 20PS, 30PSE, 40, 50, 50P, 50PUL (for Vista 40 and hire refer to page 4, Addressing the receiver. Please refer to the Ademco Wireless programming instruction to enroll the REC wireless devices).

- Step 1)** Wire the REC3 receiver to the Ademco data bus Red, Black, Yellow and Green.
- Step 2)** If serial numbers have already been downloaded proceed 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*)
- Step 6)** You will see an overview screen, PRESS *
- Step 7)** Select Zone Type: See Page 2 (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 *

PAGE 1

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.

PAGE 5

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.

** When enrolling a DSC smoke detector (WS4916) into an Ademco panel, it will take up to 12 seconds before the serial number will enroll since smoke detectors send out 16 faults before it sends any restores.

TEST MODE:

The REC3 has an advanced test mode that can help you determine the placement of transmitters.

Each SW transmitter sends the SAME data at random rates 8 times to ensure the receiver receives the intended transmission. Each time you fault or restore a sensor, you can count how many data packets were received by the receiver.

- Step 1)** Remove the jumper on the REC3 receiver.
- Step 2)** Unplug the wire harness from the REC3 and re-power.
- Step 3)** Fault any REC3 transmitter. The LED will flash and the relay will 'click' each time a valid packet is received. You should hear at least 4 clicks or see 4 flashes each time you fault or restore for a good placement.
- Step 4)** Replace the jumper and unplug the harness and re-power to exit test mode.

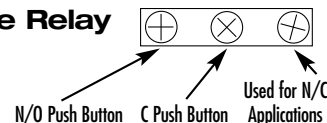
* Wait 5 full seconds between a fault and a restore. All transmitters send their 8 packets randomly and there is a possibility that all 8 are received but they come back to back and one click is actually two valid transmissions.

** You can connect a siren to the relay output to easily walk from zone to zone to do a placement test.

PAGE 2

Wiring the Relay

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



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.

PAGE 6

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.

Wireless Accessories

- 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

WS4965 (Or DW433): Tri zone door window contact with tilt sensing capability.

PIR-REC3: 45lb Pet Immune PIR with Blue LED. Includes Corner, Ceiling and wall mount.

PAGE 3

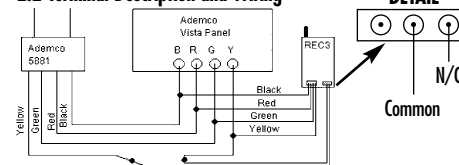
- Step 1)** Unplug the REC3 harness
- Step 2)** Press and HOLD the program button on the REC3 while plugging in the 4 wire harness. Once the on board LED turn AMBER, release the program button
- Step 3)** Press and release the program button 8 times on the REC3. The LED will flash 8 times to confirm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



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.

PAGE 7

WS4938: Wireless Panic Button. You can use the DSC WS4938 mini panic button to enroll as a zone. During programming it is recommended that you choose the desired zone to be a '4' Unsupervised Zone. See Page 1 for programming. In step 9 enter a '4'.

WS4969: 4 Button Remote with torch LED. This is a standard 4 button remote with a fifth button that gives you a mini flash light built into the housing. This is a perfect utility remote for anyone who needs a flashlight.

WS4949: 2 Button, 3 channel remote control to offer Arm/Disarm and Panic (Both buttons pressed simultaneously).

WS4959: 5 button 12 channel remote control offers 3 separate remote controls in one tiny package. Center button changes the Tri-Color LED from Green to Yellow to Red to indicate which remote serial number is being transmitted. Remote always default s back to original 4 buttons. This is the perfect application for the alarm on the first 4 buttons, press the center button to advance up to the 'Yellow' page for Garage/Gate or access control. Press the center button again to advance to the 'Green' page to access lighting control or whatever you desire.

WS4917 (Or EV-WS4917): The industries smallest Recessed Transmitter. Comes standard with BOTH White and Brown caps for universal installation.

WS4927 (Or EV-WS4927): Integrated Shock sensor and door window contact with pre-warn detection. Dual protection fields can determine a lighter impact and give a local on board Piezo pre warn 'chirps' or an actual threat which will trigger the panel.

WS4955S (Or EV-WS4955S): The industries smallest micro transmitter capable of blending into any environment from a window seal to a door frame.

WS4916: Combined Heat and Smoke Detector. To ENROLL: make sure the back tamper plate is 'ON'. Press and HOLD the test button on the face of the smoke detector until it sounds then release. The WS4916 will send out approximately 16 faults followed by 16 restores. Depending on the panel, learning can take up to 12 seconds.

WS912L-433: Glass Break Detector.

REC3-SMOKE: Combined Smoke and Carbon monoxide detector with verbal announcement of FIRE, Carbon Monoxide and Low Battery.

PAGE 4

Secure Wireless

Quick Set-Up Guide

Part Number: REC-ADM

This side for
NAPCO users!



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

Secure Wireless is not affiliated with Napco Security Systems.

The REC3-ADM is designed to be compatible with the Napco GEM P816, 1632, 3200 and 9600 panels offering up to 96 wireless zones. The REC3-ADM will enroll itself similar to a GEM-REC3-96 giving maximum wireless zones based on the panel's wireless capability.

P816 will allow 16 Zones
P1632 will allow 32 Zones
P3200 will allow 48 Zones
P9600 will allow 96 Zones

The REC3-ADM can and will operate with a second Napco receiver if you desire to mix both Napco and Secure Wireless devices. See page 5 for details.

INSTALLATION AND PROGRAMMING OF THE REC3-ADM:

Install the REC3-ADM in a high location centrally located in the home or business in which it is intended to be used. DO NOT mount in the metal alarm panel enclosure.

- Step 1) Wire the Secure Wireless receiver's Red, Black, Green and Yellow to the Napco keypad bus.
- Step 2) Enter Napco Programming:
P816 and 1632 Enter 456789 (3200/9600 enter dealer code). Press the function Key until you see 'Activate Program' then press On/Off.
- Step 3) Press the Next/Yes Button until you see ZN#: Enter desired Zone Number.
- Step 4) Press the Bypass key to enter Enroll Mode or manually type in the serial number. If in the Enroll Mode, the red and green lights on the keypad will flash.

ENROLLING A PIR:

NOTE: You can download and program the wireless devices if you choose

- Step 1) 1) Enter Programming Steps 1-4 in section 'Installation and Programming of the REC3-ADM'
- Step 2) 2) Trigger the device you wish to teach the REC3-ADM. The serial number and Check Sum should be displayed when any wireless device is triggered. Press ON/OFF to save

PAGE 1

USING A NAPCO AND SECURE WIRELESS RECEIVER ON THE SAME PANEL.

***NAPCO WIRELESS DEVICES CANNOT TALK DIRECTLY TO THE SECURE WIRELESS RECEIVER AND SECURE WIRELESS DEVICES CANNOT TALK DIRECTLY TO THE NAPCO RECEIVER. Both manufacturers' devices can be used on the same panel but will communicate to their appropriate receiver.

There may be times in which you want to have both a Napco and a Secure Wireless receiver on the same installation. Because the REC3-ADM enrolls itself as a 96 zone receiver, you can utilize the lowest cost 8 zone receiver from Napco as you will be able to use as many zones as the panel will allow. By way of example: If you have an REC3-ADM and an REC3-8 on the same Napco 1632 panel you can use any quantity of Napco or Secure Wireless transmitters up to 32. The Napco panel supervises BOTH receivers independently and allows them both to maintain constant communication.

Operation:

- Step 1) The REC3-ADM will be set as the main receiver. Simply wire the Red, Black, Yellow and Green as normal.
- Step 2) Open the Napco receiver and set it to Address #2.

1

2

ADDR

- Step 3) Enter Napco Programming
- Step 4) Press the reset key ONCE to access direct address programming:
- Step 5) For P816 and 1632 go to address 1180, for 3200 and 9600 go to address 3776.
Place a [-2] (This tells the Napco panel that there are two receivers on the system).
- Step 6) Press Reset, Reset.

TRI-COLOR LED (OPTIONAL):

The optional tri-color LED (Part # LED-REC3) simply plugs into the REC3-ADM receiver and provides full visual status of the alarm system. It is the perfect option for mounting in the garage for visual status as your customer enters or exits the home. The LED-REC3 comes with a bright tri-color LED, mounting plate and plugs into the REC3.



ENROLLING A DOOR WINDOW CONTACT:

The DW-REC3 was designed to be used for many different applications. It can be configured to operate as a tilt sensor to protect garage doors without using a magnet or it can protect up to (3) separate doors or windows individually by using the internal reed and two external contacts.

The internal REED and TILT sensor (Zone 1) uses the first Serial Number. The two external contacts (Zone 2 and 3) use the same serial number PLUS 1. By way of example: If the serial number printed on the case is 00163A, that is for zone 1 which is the internal reed and tilt sensor (Refer to DW-REC3 manual for tilt sensor operation). The two external contacts would use 00163B (Add '1' to the serial number and P1, P2 to achieve the additional two zones). See diagram 1.

- Step 1) Follow steps 1-4 on page 1
- Step 2) Fault or restore the door sensor using the magnet. The serial number and check sum will be displayed on the keypad.
- Step 3) If you wish to use the external contacts, you will need to manually enter the code and check sum. Automatic code learning is not available for the external contacts.

IMPORTANT: Zone 2 MUST be used if you wish to use Zone 3 since zone TAMPER will only be sent if zone 2 is being used.

OTHER WIRELESS DEVICES:

See other side for additional wireless devices that are compatible with the REC3-ADM and can be used on the a Napco system.

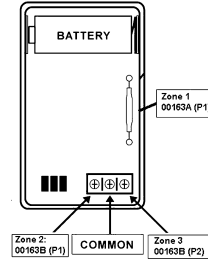


Diagram 1



PAGE 2

Green Solid: Ready to Arm
Green Flashing: Not Ready to Arm
Red Flashing: Armed AWAY
Red Solid: Armed STAY (Bypass)
Yellow Flashing: Alarm has been triggered 'Enter with Caution'



WIRELESS NOTES:

WS4938 Panic Button: You enroll the WS4938 the same as any other sensor as it sends Faults and Restores like any other door contact. You MUST enter a '9' as the Point (P). A '9' ensures that the panel will NOT be looking for supervision from this portable and water resistant panic button. If you leave the Point a 1 or 2, it will go into supervisory failure in about 4 hours.

SEE OTHER SIDE (page 3 and 4) FOR ADDITIONAL WIRELESS ACCESSORIES THAT WILL OPERATE WITH THE REC3.

USING A 4 BUTTON REMOTE:

When using a Secure Wireless 4 button remote (REM-REC3) in conjunction with an REC3-ADM, you can utilize many features to enhance your customers experience with their alarm panel (Also See 'using the on board relay' in the next section

Features of the Secure Wireless 4 button remote:

- You can use it to arm Away, Stay, Disarm, Relay output for garage door or security gates, TWO different panic Police/Aux and PGM2 control.

Programming of the 4 button remote:

- Step 1) Enter Napco Programming:
P816 and 1632 Enter 456789 (3200/9600 enter dealer . Press the function Key until you see 'Activate Program' then press On/Off.
- Step 2) Press the Next/Yes Button until you see Kf#: Enter desired Key fob #.
- Step 3) Enroll the serial number and CS. The OP should be an E9 if you desire a Stay mode (E) for the lower left button and a Panic (9) for the two top buttons pushed simultaneously.

Auxiliary Panic or Optional remotely controlling PGM2

(Two green dots on the REM-REC3):

The REM-REC3 has the ability to emulate a 2nd Napco keyfob so that multiple panics and features can be used by one single user. By way of example, a REM-REC3 can simultaneously operate the panel to Arm away, Stay, Disarm, Open the garage door as well as have police and medical panics (Red dots=Police, Green dots= Medical or AUX)

How to use an Auxiliary (Medical) panic or PGM access:

- Step 1) Enter Program mode
- Step 2) Once you get to the Kf# you will need to go to the next available Kf. For example if you have already used Kf#1 with a serial number 091234 and it is already operational and you wish to activate the AUX panic feature you will go to Kf#2 and input the same serial # as Kf#1 but by adding 1 to the serial number.
- Step 3) If the serial number of Kf#1 is 091234 then to achieve the AUX panic you will program Kf#2 to be 091235.
- Step 4) In the OP section you will place a 0A for AUX panic, 0C for PGM output toggle or a 0D for Access on PGM2 output.

PAGE 3

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.



USING THE ONBOARD RELAY OF THE REC3-ADM:

The REC3-ADM has an onboard relay that can be accessed by using a remote to control a garage door, security gate or virtually any item you want to control with a remote. You can use a maximum of 7 different remotes to control the onboard relay.

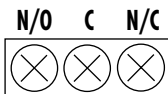
- Step 1) Locate the push button on the REC3-ADM receiver
- Step 2) Press and release the program button, the LED will turn RED.
- Step 3) Using the REM-REC3 four button remote control, press and release the desired button(s)* you wish to teach the relay. Once the button is learned the LED will turn off confirming that it has learned the button. **WAIT 5 SECONDS BEFORE ATTEMPTING TO USE THAT BUTTON.**

* The relay will learn any button or combination of buttons you wish to teach it. You can press any TWO buttons simultaneously to achieve additional outputs. The most common is the lower right which is an icon of a garage door.

ERASE RELAY MEMORY:

In the event you desire to erase all of the buttons from the memory of the onboard relay, follow instruction below:

- Step 1) Press and HOLD the program button on the REC3-ADM. The LED will turn RED.
- Step 2) Continue to HOLD the Program button until the LED turns GREEN. All remote buttons have been erased from the Relay's memory.



Garage door push
button or motor

PAGE 4

PAGE 5

PAGE 6