



Golden **RODtronic**s  
P.O. Box 146  
Golden Colorado  
80402-0146  
Phone 303-423-8597  
Fax 303-420-4575



## Three Function Remote Control System with Alarm (Model RCA-3)

Congratulations! You have just purchased one of the finest remote control door, trunk and alarm systems available. Everything you need to install your remote system is included in this kit.

All you supply are the time and tools.

**Please Read all of the instructions before starting.**

**This kit has been carefully designed and tested PLEASE don't modify it.  
(This will ensure a proper, safe, and easy installation.)**

### Features

- Independent controls over two doors, trunk and alarm system.
- Easy installation.
- Easy to follow Instructions with color drawing.
- All needed wiring is included in this kit.
- Anti- Code Grabbing Transmitters, ensuring that there is virtually **no chance of code duplication**.
- For your safety, power to the actuators is disconnected whenever the ignition is on, preventing the doors from accidentally opening while the car is in motion.
- Actuators can be wired to push or pull door latches, making them practical for many different applications.
- Additional transmitters are available at reasonable prices, should you lose or damage the supplied transmitters.
- Transmitter batteries are replaceable and available at **Golden RODtronic**s and most electronic stores.
- An outside hidden **Bypass Button** backup system is supplied to open the driver's door in case of an accidental key lock up in the car. The power wire of the siren quick disconnects in case of a system failure or a lost transmitter.  
It is also recommended to have a mechanical way to open a door, in case of a dead car battery.

### Alarm Features

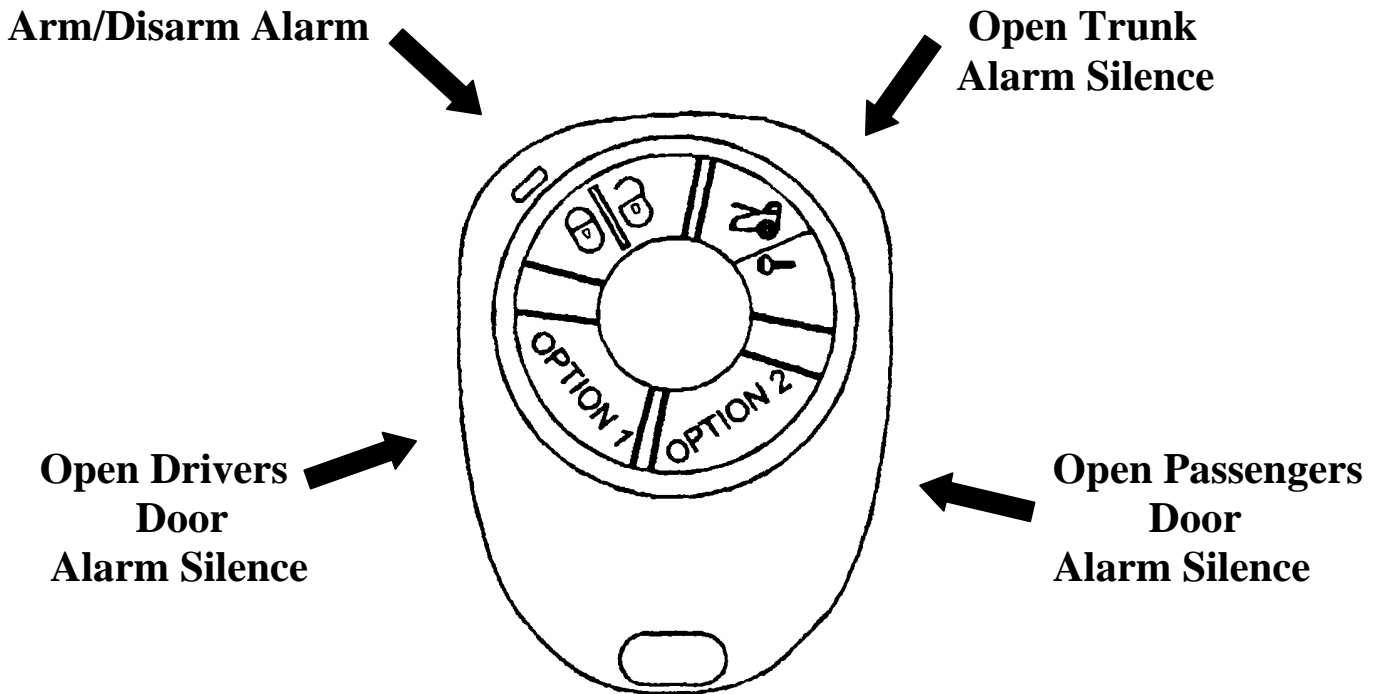
- Enhanced Panic Feature (any button other than lock/unlock button stops siren, no change to the unit's state). Lock/unlock button arms and disarms the alarm.
- Plug in dual stage, adjustable Shock Sensor.
- Programmable shock sensor via the transmitter. (Four modes to choose from using the transmitter). See Operations page.
- Remote Panic (set off the alarm over 500 feet away).
- Intrusion alert with memory. (See Operations page)
- Parking light flasher. (See Operations page)
- Dash mount indicating LED. (See Operations page)

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### Kit Contents

- 1 Receiver, Fuse Panel, Relays, and Terminal Strip board mounted for easy install
- 2 Transmitters
- 1 Adjustable Shock Sensor
- 1 In Dash LED
- 1 6 Tone Siren
- 1 Hood Pin Switch and Mounting Bracket
- 2 Door pin Switches
- 1 Weather Resistant Emergency Entry Button
- 3 Actuators, Pigtail Connectors, Nuts, Bolts, and Rods
- 2 (Optional) Door Latches with Studs and Washers
- 1 (Optional) Trunk Latch with Studs and Washers
- 1 (Optional) Door Latch Mounting Kit
- 2 (Optional) Super Door Poppers
- 3 (Optional) 2 Function W.I.D.E. Contacts

### **Transmitter Operation at a Glance**



### Determining Your Mounting Locations Of Major Components

A. **Actuators.** Each actuator should be mounted in-line with the door latch, so the actuator rod can freely pull or push the latch release with a minimum amount of resistance. The actuator is designed to pull or push up to 12 pounds.

(NOTE: The actuators supplied in this kit will not operate the sliding bolt style latches, which were originally supplied in the pre-50's vehicles. Alternative latches should be used.) Alternative latches (Bear Claw) are available from Golden RODtronics.

**B. Board Mounted Receiver.** The receiver must be mounted within the passenger compartment or trunk. **Do not** mount the receiver in a location where it may be exposed to moisture or excessive heat. Locations similar to the following should be avoided: engine compartment; under the seat above the muffler; in a direct path of hot air coming from the heater. (**CAUTION:** Damage due to excessive heat or moisture is **NOT** covered in the warranty.) Common sense in placing the receiver will greatly reduce your chances of ever needing repairs.

**C. Manual Entry Bypass Button.** If you have a mechanical method for entering your vehicle, you do not need to install the bypass system. If the remote system is the only method you have of entering your vehicle, **you must** install the bypass system to minimize your chances of being locked out.

The button should be mounted in a hidden location with easy access if you're locked out of your vehicle. We have included a rubber boot with the button, which will help make them moisture resistant, making it possible to hide them nearly anywhere under the vehicle.

### **Manual inside door handles are a must!**

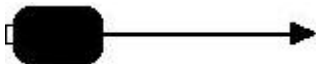
(What happens if your battery goes dead when you're in the vehicle?)

**D. Latches.** The installation of alternate door latches, when necessary, will be different in each situation. After-market door latches should be installed following the vendor's instructions. After-market door latches (Bear Claw) are available from Golden RODtronics.

**E. Adjustable shock sensor.** Select a solid mounting surface for the sensor on the firewall inside the passenger compartment.



**F. Antenna.** Mount the antenna using the double face tape supplied. For best reception the antenna should be mounted above the belt line of the vehicle as close to the glass as possible.



**G. Siren.** Select a mounting location in the engine compartment that is well protected from access below the vehicle. Avoid areas near high heat components or moving parts within the engine compartment. To prevent water retention, the flared end of the siren must be pointed downward when mounted.

## **Wiring Your System**

**Before installing the remote unit disconnect the battery ground.**

**Caution:** Leave the connections off of the receiver while you are running the wires through the vehicle. This will prevent damage due to accidental shorts. It is strongly suggested that all wire connections be soldered where necessary, (using rosin core solder) and shrink tube be used to cover the splice. **Note: after installation and power is, supplied the unit will need to be silenced by pressing the red button.**

<u>Wire</u>	<u>Type of Connection</u>
<b>Red</b>	Connect the red wire directly to the fused side of the fuse block. The fuse must be rated at 15 AMPS. The red wire must have power at all times.
<b>White</b>	Connect the white wire to the positive (+) side of the park lights.
<b>Blue</b>	Connect the blue wire to the ignition switch so the blue wire is at +12 volts <b>ONLY</b> when the ignition is on. ( <b>Caution:</b> this is an important connection that will insure a safe well working remote/alarm system)
<b>Orange</b>	Connect the orange wire directly to the red wire on the siren using the male/female bullet connector. (This bullet connector can be used to disable the siren incase of a lost transmitter or system failure).
<b>Gray</b>	Connect the gray wire to the hood pin switch, (using the supplied male bullet connector) a metal bracket has been supplied for easy installation. (The hood pin switch is the bigger one of the three).
<b>Purple</b>	Connect one purple wire to the driver's door and the other to the passengers door using the supplied male bullet connectors. The pin switches supplied are adjustable for proper operation.
<b>Black</b>	The long black wire is the chassis ground. It is <b>very important</b> that this wire be connected to the vehicle's metal frame with a clean electrical contact.

#### **Yellow From Relay**

Connect the yellow wire to the actuator you will use most often (most likely the drivers door). Note: If you want the actuator to pull on the latch, connect the yellow wire to the black wire. If you want the actuator to push, connect the yellow wire to the red wire.

#### **White From Relay**

Connect the white wire to the actuator you will use the second most often. (Most likely the passengers door).


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<u>Wire</u>	<u>Type of Connection</u>
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<b>Green From Relay</b>	Connect the green wire to the actuator you will use the third most often. (Most likely the trunk).
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The actuators have two wires leading from them (pig tails). You must fasten the actuator wire that is NOT connected to the yellow or white wire to a good chassis ground. This is best accomplished by running a wire out of the door and back to the vehicles chassis ground. For a clean looking door jamb, use The W.I.D.E. Contact for all the wires going from the door post to the door. (The W.I.D.E. Contacts are available from Golden RODtronics). The less preferred alternative is to ground to the door, and let the ground path go through the hinges of the door.


## Operation

To activate the alarm (Arming) press the red button marked  on your transmitter. (This unit has 4 Shock Sensor modes that can be set by this button).

1. Normal Operation (default mode). In this mode, any strong vibration will cause the siren to sound (full detect) for 30 seconds. Any lesser vibration will cause the siren to emit about 6 short warning chirps, (pre detect). (This sensitivity is adjustable on the shock sensor by turning the adjustment screw clockwise to increase, counter clockwise to decrease the sensitivity). The unit will respond with chirp and the park lights will flash once.
2. Stage 1 (Omit pre-detect). In this mode, the warning chirps will not sound. The alarm will go into “detect” if the vibration is strong enough. **To set this mode**, press the red button 2 times within 2 seconds. The unit will chirp and flash the park lights once each time the button is pressed.
3. Stage 2 (Omit pre & full detect). The unit will not react to vibration, only the door & hood pin switches will trigger the alarm. (Good on windy days). **To set this mode**, press the red button 3 times within 2 seconds, the unit will chirp and flash the park lights once each time the button is pressed like Stage 1. The third time the button is pressed the unit will chirp twice and the park lights will flash twice.
4. Stage 3 (Show mode). In this mode, The pre detect chirps will change from 6 pre-warning tones to a full 10 seconds of warning chirps. The detect mode will go from 30 seconds to 15 seconds. **To set this mode**, press the red button 4 times within 2 seconds. The unit will react like stage 2 until the button is pressed the forth time. The forth time the red button is pressed the unit will chirp 3 times and the park lights will flash 3 times.

**To silence the alarm** when it has been triggered press any of the transmitter buttons OTHER THAN the RED one. The alarm is still active.( If the red button is pressed the alarm will be turned off).

This unit will sound the alarm and flash the park lights for 30 seconds (in the first 3 modes) and then reset itself. (Time is reduced in stage 3 to 15 sec.). The LED dash light will blink letting you know the alarm is armed.

**To Deactivate the System**, press the red button once.  The unit will chirp 2 times and the park lights will flash twice. If the unit has been activated the unit will chirp 4 times and the park lights will flash 4 times. The LED mounted on the dash will continue to flash. Letting you know what zone was triggered using the following code;


**Shock Sensor**, 1 flash...pause1 flash...pause 1 flash...pause, and so on.

**Door Pin Switch**, (drivers & passengers) 2 flashes...pause 2 flashes...pause, and so on.


**Hood Pin Switch**, 3 flashes...pause 3 flashes...pause 3 flashes...pause, and so on.

**Reset** the system by turning the ignition on. (This erases the units **trigger** memory). Otherwise the LED will continue to flash


(**Caution: DO NOT** use excessive force on the transmitter buttons. You can damage the circuits by pressing too hard.)

**To Operate Channel One**, ( the drivers door ) press the black button marked Option 1  on your transmitter. **Note:** This actuator will function as long as the button is held down.

**DO NOT** hold this button down longer than two seconds; you can over heat and damage the actuator. The actuator connected to the yellow wire will then operate.

**To Operate Channel Two**, ( the passenger's door ) press the black button marked Option 2  on your transmitter. **Note:** This actuator will function as long as the button is held down.

**DO NOT** hold this button down longer than three seconds; you can over heat and damage the actuator. The actuator connected to the white wire will then operate.

**To Operate Channel Three**, ( the trunk ) press and hold the green button marked  on your transmitter for three seconds.

The actuator connected to the green wire will then operate.

**Important:** Turn your ignition to the “On” position, and try to open the doors with your transmitter. If your system is wired correctly, none of the actuators will operate while the vehicle is on. It is recommended that you test this safety feature each time you start your vehicle, thereby making sure that the doors will not open while the vehicle is running.

### Warranty

All of the parts contained in this kit will be warranted for one year from the date of purchase (not from the time of installation), providing that they have been installed as instructed. Transmitter batteries are NOT covered in this warranty. Return the defective part to Golden RODtronics and, providing that it is determined that the part was installed correctly, the part will be repaired or replaced by Golden RODtronics.

The receiver is designed to work with the actuators and latches provided in our kits. If latches and/or actuators other than the ones we supply are used, Golden RODtronics retains the right to determine if the warranty should apply to the part(s).

All authorized returns are subject to a 25% restocking fee. Returns will not be accepted if the kit has been installed then removed. **With NO exceptions.**

Because Golden RODtronics cannot be assured that the remote control/alarm system was installed as instructed, Golden RODtronics liability is limited to the replacement of the remote control/alarm system. The purchaser signifies his/her agreement with the warranty, and the limited liabilities of Golden RODtronics stated herein, by the attempted or complete installation of this product.

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