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

K-9 CAR ALARM

"TOMORROW'S TECHNOLOGY TODAY"

OWNER'S MANUAL

MODEL: K9-FIVE^{C}

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Introduction

Congratulations on your purchase of this security system and on joining over 8 million people worldwide who have trusted their vehicle's security to the designers of Omega Research & Development, Inc. since 1970.

When beginning to use this system, you will be surprised at its user-friendly design considering the system delivers features and benefits that not only anticipate but exceed your expectations.

In learning how to operate your alarm, please become familiar with the following three principal components: 1) The Remote Transmitter, 2) The Red Status LED Light, and 3) The Valet Button Switch.

1) The Remote Transmitter: Each alarm comes with two pre-learned transmitters, but can learn up to 4 different transmitters. Each transmitter has its own unique code. Thus, no other transmitter is coded the same as yours. In fact, no one, including the factory, can program another transmitter exactly like yours because the code is built inside the master microprocessor and cannot be duplicated.

The transmitter has two buttons: one large button in the middle and a smaller button. This system can be programmed through a built-in learning routine to have the transmitter buttons work in any configuration you choose. The factory has programmed the transmitters in the following fashion:

The large button is used to arm, disarm & panic the alarm system.

The small button is used to operate remote valet and pre-warn bypass.

Both buttons pressed together disarms the alarm regardless of its status.

2) The Red Status LED Light: Informs you of 14 different conditions the alarm can be in and is used in changing the alarm's 8 programmable operating features built inside the security system's master microprocessor.

3) The Valet Button Switch: This switch keeps the alarm from arming during extended stopovers for service stations, maintenance, valet parking, washing, etc.. The valet button switch is also used to disarm the alarm system in the event you lose your transmitter.

Transmitter Features

Transmitter Battery-Saver Feature: Many times transmitter batteries are prematurely exhausted because the buttons can be inadvertently pressed by objects while in a pocket or purse. This transmitter will turn itself "off" after 15 seconds of continuous usage, preventing this from occurring.

Code Verification: For 10 seconds after the ignition is turned on, the L.E.D. light will flash to indicate the number of transmitters programmed to operate your alarm system. For example: two flashes and a pause indicate that only two transmitters are coded to operate your system. When you leave the alarm installation shop or retrieve the vehicle after valet parking, you now will have the peace of mind of knowing that only your transmitters will operate the alarm and that no other person has coded extra transmitters to steal your vehicle.

Unknown Transmitter Codes: Each alarm comes with two pre-learned transmitters, but can learn up to 4 different transmitters. Each transmitter has its own unique code. Thus, no other transmitter is coded the same as yours. In fact, no one, including the factory, can program another transmitter exactly like yours because the code is built inside the master microprocessor and cannot be duplicated.

Operating Two Or More Vehicles From One Transmitter: The two-button transmitter can transmit 3 different codes by pressing the transmitter buttons in the 3 different combinations: large button alone, small button alone, and large and small buttons pressed at the same time. As an example of how to operate a second vehicle, program the second vehicle to learn your transmitter code generated by pressing either the small button alone or both buttons at the same time to arm/disarm the second vehicle.

Learning Transmitter Codes

Transmitter Code Learning: This security system will respond to up to 4 different transmitters. This security system already has two transmitters programmed into the system memory.

When adding or deleting transmitter codes to operate your security system, follow this process:

1) Turn "on" the ignition.
2) Within 5 seconds of turning "on" the ignition, press the valet button switch 5 times.
   Note: Siren will chirp, confirming that for the next 10 seconds it's ready to learn a transmitter code.
   Note: If a code is not received within 10 seconds, the learning process will automatically terminate.
   Note: When the first transmitter code is learned it will erase all other prior codes and thus protect your alarm against unknown codes being entered without your knowledge.
3) To learn the first transmitter button codes:
   Step A. Within 10 seconds of step #2, press the transmitter button you want to arm/disarm/panic the alarm until you hear one siren chirp to confirm that the code was learned and that the alarm is ready to learn the disarm regardless of status code.
   Step B. Within 10 seconds of step A, press the transmitter button you want for disarm regardless of status code until you hear two siren chirps that confirm that the code was learned and that the alarm is ready to learn the remote valet and pre-warn bypass code.
   Step C. Within 10 seconds of step B, press the transmitter button you want for remote valet and pre-warn bypass until you hear three siren chirps that confirm that the code was learned and that the alarm is ready to learn the 2nd, 3rd or 4th transmitter codes starting at step A.
4) To program the second, third or fourth transmitter codes, repeat steps A, B, & C.
   Note: If the valet button is pushed once before step B or C, the alarm will advance to learn the next transmitter codes starting at step A. Thus, no code is learned in step B and/or C from the transmitter. This feature is useful for multiple car operation.
5) Turning off the ignition, or 10 seconds of no activity, will automatically turn off this transmitter learning code program, which is confirmed by one long sounding chirp.

Arming From Transmitter

Arming Alarm From Transmitter: The alarm can always be armed from the transmitter if the ignition key is “Off” and the alarm is in the disarmed condition and not in the valet condition. To arm the alarm after you exit the vehicle and close all doors, simply Press The Large Transmitter Button Once. Instantly the lights will flash once, the siren will chirp once, and the L.E.D. light will begin flashing continuously, confirming that the alarm is armed. Provided optional relays are installed, the doors will lock, and the optional starter interrupt relay will prevent any attempt to start the vehicle.

Note About Arming By-Pass: When oversized objects are placed in the vehicle's trunk that prevent the trunk lid from closing or if any (-) trigger circuit is inoperable, then only that circuit will be bypassed. For example, if the trunk is left open, then you can still arm the system from the transmitter. The bypassed circuit will automatically be reinstated for protection the instant that circuit becomes operative, i.e., the trunk is closed. The arming confirmation now changes from one siren chirp to 3 chirps and one light flash to 3 light flashes to advise you that the alarm armed with the bypass circuit operating.

Pre-Warn Circuit By-Pass: After pressing the large transmitter button to arm the security system, you will hear a siren chirp to confirm that the system will arm in 3 seconds. Within 2 seconds of hearing the arming chirp confirmation, press both transmitter buttons. You will hear another siren chirp confirming the security system has armed without the pre-warn circuit protecting the vehicle. The next time you arm the alarm, the security system will reset to its normal condition and the pre-warn circuit will be part of your protection again.

You can pre-select your security system to automatically arm and lock the doors. This information is described on page 15.

Alarm Armed And Triggered

While the alarm is armed, the L.E.D. light will be flashing. In this mode, any unauthorized entry will instantly trip the alarm. Once tripped, the following will occur:

1) Siren will start sounding and every 5 seconds the siren will change its sound to generate more attention to the vehicle.
2) Lights will flash for 60 seconds.
3) Doors will re-lock instantly in case the thief unlocks a door to gain entry. This feature is so technologically advanced and unique to this security system that it even knows when a door(s) is opened and, if so, the system waits until the door(s) is closed to re-lock the door(s) instantly, insuring that the thief cannot easily regain entry. Another reason to delay the doors from locking is that most vehicle manufacturers design the vehicle's doors to automatically unlock when the door is closed after being locked while open. This is to reduce the risk of locking yourself out of your vehicle.

All three functions above will stay active for 60 seconds, unless you disarm the system with the transmitter or valet override switch. If all protected entries are secure at the end of 60 seconds, the alarm will stop and re-arm automatically to detect another entry. If there is a protected entry still open or a sensor still in a triggered state at the end of 60 seconds, the alarm will re-trigger for two more 60 second cycles. The alarm will stop in 3 minutes and re-arm automatically while ignoring only the open entry or triggered circuit. When that circuit is reset, fixed or closed, then protection will instantly begin from that circuit.

After the security system automatically shuts-down and re-arms after being triggered, the disarm confirmation will no longer be 2 chirps & the lights staying on for 60 seconds. Instead, the system will respond by producing 4 siren chirps & flashing the lights 4 times before the lights stay on for 60 seconds. The L.E.D. light will change from being "off" to flashing one, two, or three times, then pausing 1 second to indicate which protected zone triggered the system. The L.E.D. will continue flashing this violation code until the ignition key is turned “on”, thus clearing the alarm's LED light memory circuit.

Disarming Alarm & Temporary Valet

Disarming The Alarm And Unlocking All Doors From Transmitter: With the alarm in the armed condition, Pressing The Large Transmitter Button Once will instantly disarm the alarm and unlock the doors provided optional relays were installed. Disarming is confirmed by the siren chirping twice and the lights turning on for 60 seconds, except under the following conditions: (1) Lights turn off 10 seconds after a door is opened, and (2) lights turn off instantly when the ignition is turned on.

NOTE: If the alarm was triggered, and then rearmed itself while you are away, the disarm confirmation will change to 4 siren chirps, 4 light flashes, and then the lights stay on for 60 seconds to illuminate the way to your car.

NOTE: Anytime the alarm triggers the L.E.D. light will indicate which zone triggered the alarm by flashing one to three times, pausing between flashes. If the alarm rearms itself this code will continue to flash, even after disarming. The alarm can hold two different violation codes in its memory, which is cleared by turning the ignition switch "on".

NOTE: On rare occasions, people accidentally disarm the alarm by playing with the transmitter or by transmitting from a purse or pocket. To prevent accidental disarming, the alarm is factory programmed (from code learn feature #4) to automatically rearm & lock doors 90 seconds after each time the alarm has been disarmed unless the ignition switch is turned on. Once the ignition switch is turned on, the alarm will stay in the disarmed condition until you are ready to arm the system again from the transmitter. If Automatic Last Door Arming is programmed (by cut or uncut status of the Green loop wire), then this 90 second rearm feature is a part of the last door arming program and cannot be turned off.

Temporary Valet Activation: After hearing the disarm confirmation siren chirps, pressing the small transmitter button will activate the temporary valet. While normally the lights stay on for 60 seconds upon disarming, now they will flash off every 2 seconds to confirm that the alarm system will not automatically rearm until armed and disarmed by transmitter or until a door is opened and closed again.

Panic & Pre-WarnBypass

Panic Activation From Transmitter: In the event of a personal attack or assault, or any time you feel threatened or in need of assistance, you can use the transmitter to trigger the alarm siren as a possible means of getting help or diverting the attacker's attention.

Pressing the large transmitter button for 3 seconds will activate the alarm system, thereby turning on the alarm siren, locking the doors, (if optional interface is used) and flashing the lights for 60 seconds, at which time the alarm will then automatically shutdown and rearm. The alarm will reset to the disarmed condition if the system was in the valet mode. You can turn the panic off manually, rather than wait the 60 seconds to reset itself by simply pressing the large transmitter button again for only 1 second. The panic will turn off and the alarm will be put in the disarmed mode, which will unlock the doors & keep the lights on for 60 seconds *(illuminating the way to your car)*, unless a door is opened causing the lights to turn off in 10 seconds or the ignition is turned on causing lights to turn off instantly.

The transmitter can activate panic at any time. This feature is so unique that even while you're in the vehicle with the engine running, you can activate the panic and the doors will lock instantly with the siren sounding and the lights flashing to possibly frighten away the attacker and allow you to get away.

Pre-Warn Bypass: Upon arming the alarm, within 2 seconds after the arming confirmation chirp press the small transmitter button. The alarm will respond with an additional chirp confirming that the alarm will not pre-warn if a trigger is received from an optional sensing device.

Easy Valet™ Button Switch

VALET FUNCTION: Easy Valet™ is designed to keep the alarm from arming during extended stopovers for service stations, maintenance, valet parking, car washing, etc.

Turning On Easy Valet™: This unique feature can be activated anytime the alarm is in the disarmed condition. Easy Valet™ is unique because other alarms require the ignition to be turned "on", but with this system, the ignition can be either "on" or "off".

Simply press the valet button switch for two seconds to activate the valet mode. The alarm will confirm it is in the valet mode with two siren chirps, the L.E.D. light coming on constant and the lights flashing twice. The alarm will hold memory of the valet condition while the ignition is "on" or "off". While in the valet condition, the transmitters can still operate panic, doorlocks, trunk release; the doors will lock when the ignition is turned "on" and unlock when turned "off"'.

Turning Off Easy Valet™: Simply press the valet button switch and instantly the valet feature will turn off. To confirm that the valet mode is turned "off", the L.E.D. light will turn off.

OVERRIDE FUNCTION:

Disarming Alarm If Transmitter Is Lost: In the event the transmitter is lost, damaged, or its batteries become exhausted, the valet button switch and your ignition key can disarm the alarm system:

STEP 1. With the alarm in the armed condition, enter via the driver's door (be aware that the alarm will trigger the instant the door is opened).

STEP 2. Using your key, turn "on" the ignition.

STEP 3. Within 10 seconds, push the valet button switch and the alarm will disarm instantly.

NOTE: The Easy Valet™ button switch is part of the programing operations for learning new transmitter codes and for changing system functions. These operations are explained in detail in subsequent pages.

L.E.D. Status Light Confirmation

The Red status L.E.D. light will inform you of 14 possible conditions the alarm can be in:

1) Off = Alarm is Disarmed.
2) On Constant = Alarm is in the valet mode.
3) Flashing = Alarm is armed.
4) Fast Flashing = 30 second passive arming or 90 seccond automatic re-arming in progress.

Note: The flash & pause sequences 5 thru 7 are for Zone Violation and Zone Testing.

5) Flash-1x & Pause = Alarm was triggered from the current sensing circuit.
6) Flash-2x & Pause = Alarm was triggered from the hood or trunk circuit wire.
7) Flash-3x & Pause = Alarm was triggered from the door circuit wire.

Zone Violation: If the alarm is triggered the L.E.D. light will start to flash & pause the #5 thru #7 code to indicate what protected circuit triggered the alarm. This code is held in the alarm's memory if the alarm automatically re-arms and after the alarm is disarmed from the transmitter. Turning "on" the ignition clears the code from the alarm's memory. The memory can store two different codes.

Zone Testing: Every time the ignition key is turned off , L.E.D. light will flash & pause the #5 thru #7 code to indicate what protected circuit is in a triggered state. Example: Open a door and the L.E.D. light will start flashing 3x & pause until the door is closed, or, if another protected entry point is triggered while the door is still open, then the L.E.D. light will indicate the most recent zone triggered. Current sensing can only detect a "spike", so the L.E.D. will flash once only during a current spike.

Code Verification: After the ignition is turned on, the L.E.D. light will flash to indicate the number of transmitters programmed to operate your alarm system. For example: two flashes & pause indicates that only two transmitters are coded to operate your system. When you leave the alarm installation shop or retrieve the vehicle after valet parking, you will now have the peace of mind of knowing that only your transmitters will operate the alarm and that no additional transmitters have been coded to steal your vehicle. This feature works for 10 seconds every time the ignition switch is turned "on".

Siren & Lights Functions

Siren Chirp With Light Flash Confirmation For Arming, Disarming & Valet Activation:

1. One siren chirp & one light flash: *The alarm has armed.*
2. One siren chirp after the arming chirp above: The a*larm has armed with the pre-warn circuit bypassed or deactivated.*
3. Two siren chirps & lights stay on for 60 seconds: *The alarm has just disarmed.*
4. Lights start flashing every 2 seconds during the 60 second disarming confirmation above: *The alarm has entered the temporary valet condition.*
5. Two siren chirps & two light flashes: *The alarm is now in the valet mode.*
6. Three siren chirps & three light flashes: *The alarm is arming with a protected circuit still open and that circuit will be bypassed.*
7. Four siren chirps & four light flashes, lights stay on 60 seconds: *The alarm has just disarmed and was triggered while you were away.*

Siren Chirp Confirmation For Transmitter Code Learning:

8. One long siren chirp = Entering or exiting the transmitter code learning mode.
9. One siren chirp = Each time a new transmitter code is learned to activate arm/disarm/panic.
10. Two siren chirps = Each time a new transmitter code is learned to disarm regardless of status.
11. Three siren chirps = Each time a new transmitter code is learned for remote valet/pre-warn bypass.

Siren Chirp Confirmation For Programming Feature Changes From Code Learning:

12. One short & one long chirp = Alarm has just entered the features learning code mode.
13. One through eight chirps = Chirps the equivalent number of times to equal the feature number that the system is ready to learn. Example: 8 Chirps times means the system is ready to turn on or off feature # 8.
14. One chirp after pressing the large transmitter button = The selected feature is turned "on".
15. Two chirps after pressing the small transmitter button = The selected feature is turned "off".
16. One long warbling chirp = Alarm has just exited the features learning code mode.

Back-Up Battery & Pre-Warning Shock Detection

Back-Up Battery:

This system includes a battery slide bracket holder and plug-in harness for a back-up battery circuit. The optional 9 volt alkaline battery (*not included)* is all that is required to provide alternate power to operate the alarm in the event the vehicle's battery is disconnected. A built-in protection circuit will not allow the 9 volt battery to back feed into your vehicle's electrical system or to flash the lights when the alarm is triggered, thereby conserving the 9 volt battery's power. Also, the starter interrupt circuit will stay activated and prevent the vehicle from being started and driven away.

NOTE: The L.E.D. light does not operate on back-up battery power to conserve the battery's energy.

Replacement 9 volt alkaline batteries can be purchased anywhere batteries are sold. We recommend the battery be replaced with another alkaline battery every 18 months or after the 9 volt battery has operated the alarm on its own for any length of time. Under the following conditions, a new 9 volt alkaline battery's life is anticipated to be approximately:

1. 4 days as the only power source to the alarm while in the armed condition.
2. 50 triggered alarm cycles. A triggered alarm cycle is the 60 second period after the alarm is triggered, where the siren is sounding, the starter interrupt is activated, and the system automatically turns off and re-arms to again protect the vehicle.
3. 100 separate transmitter arm and disarm activations.
4. 2 years if the 9 volt battery circuit has not been activated.

Pre-Warning Shock Detection Circuit:

This circuit requires connection to an optional detection sensor device. When the sensor is triggered, the security system will respond by chirping the siren 3 times, flashing the lights once and locking all the doors. After this circuit has been triggered 5 times it will automatically shutdown until the alarm system is re-armed again. This will prevent the alarm from being a nuisance to the general public.

Automatic Arming & Lock Doors

Automatic Last Door Arming: *(Selected By The Blue Loop Wire Inside The Unit):*
With The Blue Loop Wire In The Uncut Condition: Last Door Arming Automatically begins after the ignition has been turned off and the last door is closed. But as long as the door remains open, the alarm will not arm, "pausing", waiting for that last point of entry to be closed, allowing convenient, unhurried passenger exit and trunk access. After the last door is closed, alarm will give one siren chirp, one light flash, and the L.E.D. light will flash fast, confirming all points of entry are closed and the alarm will arm automatically. A 30 second countdown begins. During this countdown, if a point of entry is re-opened, the countdown will stop & reset. The countdown will start over again when the point of entry is re-closed. When the 30 second countdown concludes the alarm will chirp the siren once, flash the lights once, the doors will lock (*if optional interface is installed),* and the L.E.D. light will flash slow, confirming that the alarm is fully armed. You can still arm the alarm instantly from the transmitter. "Automatic Last Door Arming" offers a high level of security, since you do not have to remember to turn the alarm system on each time you depart from your vehicle. In addition, automatic arming may entitle you to an insurance discount.

Note About Arming By-Pass: Arming By-Pass does not work with last door arming feature. This by-pass feature only works when arming from transmitter because all protected entries must be closed for the automatic arming countdown to start.

Note: To prevent alarm from automatically arming while the vehicle is being re-fueled you should: Put alarm in valet mode, keep your door open or turn on your dome light switch so that the alarm thinks your door is still open. We don't recommend leaving your ignition key turned on.

Current Sensing & ZoneTesting

Current Sensing: *(Selected By Green Loop Wire Inside The Unit):*
With The Green Loop Wire In The Uncut Condition:

When alarm is armed, current sensing can detect an electrical current spike from the vehicle's battery. (Example: Dome light comes on when a door is opened or brake lights come on when you step on the brake pedal). The instant the current spike is detected the alarm will trigger. Current sensing will not trigger the alarm if a light or electrical device was on upon arming because this feature can only detect the larger electrical current spike that occurs the instant an electrical device is turned on.

Note: You may need to turn off current sensing due to these problems:

1. Vehicles with door handle touch sensors that turn on dome lights, have a test circuit built in that comes on 2 minutes after the doors are closed. The vehicle's test circuit sometimes has a large enough current spike for the alarm current sensing feature to detect and will falsely trigger the alarm. In this situation the doors need to be wired directly to this security system.
2. Vehicles with engine cooling fans which can come on after the engine is turned off. This will falsely trigger the alarm from current sensing feature.

Current Sensing And Zone Testing From The L.E.D. Light:

The current sensing feature is activated for 1 second each time this circuit detects the current spike. Zone Test Example: Turn on head lights and the L.E.D. will flash once and pause. The L.E.D. light will only flash this one time because this feature can only detect the larger electrical current spike that occurs the instant an electrical device is turned on. This feature will not detect an electrical device has stayed "on" during arming.

Changing Feature Functions

Changing Feature Functions Through Learning Code Program:

This security system has 7 features that can be turned "on" or "off" through the features programming mode. To turn "on" or "off" selected features in the programming mode, follow these steps:

Step #1: Turn the ignition switch "on", then "off" the ignition switch.

Step #2: Within 5 seconds of turning "off" the ignition switch, press the valet button 5 times.

Step #3: You have just entered into the feature programming mode. To confirm, the siren will respond with one short and one long siren chirp. For the next 10 seconds the system is ready for you to select what feature code you want to enter and turn "on" or "off". Note: This programming mode will deactivate if a feature programming selection is not made within 10 seconds.

Step #4: Within 10 seconds of entering the feature programming mode, press the Easy Valet™ button switch the number of times that equal the feature number you want. After pressing the button switch multiple times the siren will chirp the same number of times to confirm what feature number you are now in for programming.

Example: Press valet button switch 8 times and the siren will chirp 8 times.

Step #5: Turning feature #8 in the example above "on" or "off":

Turning "on" feature #8: Press the large transmitter button. The siren will chirp once to confirm that the feature is turned on.

Turning "off" feature #8: Press the small transmitter button. The siren will chirp twice to confirm the feature turned "off".

Note: If you keep turning feature #8 in the example on and off, the programming activity is extended. Remember, 10 seconds without any program activity will result in the system exiting this programming mode automatically.

Step #6 Repeat steps 4 & 5 to enter into another feature number to program the "on" or "off" condition.

Step #7 Turning on the ignition, or 10 seconds of no program activity, will automatically turn off this feature programming mode. Exiting the program is confirmed by one long warbling chirp.

Ignition Turned On/Off Activates Door Locks

(Selected From Learning Code Feature #1): Alarm comes with this feature turned "On".

With Feature #1 In The "ON" Position:

A. The vehicle's doors are programmed to lock 1 second after the ignition is turned "on".

B. The vehicle's doors are programmed to unlock instantly when the ignition is turned "off".

By Following steps 1, 2, and 3 on page 17, you will be in the feature programming mode. To turn "on" or "off" feature #1, follow the steps below:

Step #4: Press the Easy Valet™ button switch 1 time and the siren will chirp 1 time to confirm that you are in feature #1 program. You now have 10 seconds to start step #5.

Step #5: Within the next 10 seconds, turn feature #1 "on" or "off":

Turning "on" feature #1: Press the large transmitter button. The siren will chirp once to confirm feature #1 was turned on.

Turning "off" feature #1: Press the small transmitter button. The siren will chirp twice to confirm feature #1 turned "off"

Note: If you keep turning feature #1 on and off, programming activity will be extended. 10 seconds without any programming activity, the system will exit the programming mode

Step #6: To turn "on" or "off" another feature number, repeat steps #4 and #5 within 10 seconds.

Step #7: To exit this program at anytime, Turn on ignition, or have 10 seconds of no program activity. Exiting this program is confirmed by one long warbling chirp.

Open Door By-Pass Added To Feature #1 Above: *(Selected From Learning Code Feature #2):*

With Feature #2 In The "ON" Position: The alarm comes with this feature turned on.

After the ignition is turned "On" or "Off", feature #2 is programmed to check the vehicle's door circuit first. If feature #2 detects that any vehicle doors are open when the ignition is turned "on" or "off", the doors will not lock or unlock from the ignition turning on or off. This prevents accidentally locking yourself out of the vehicle and to prevent children from exiting the vehicle.

To program follow step #4 above, but press the valet button switch 2 times and then follow step #5.

Disarming Alarm Activates Lights *For 30 Or 60 Seconds*

(Selected From Learning Code Feature #3:) Alarm comes with this feature turned "On".

With Feature #3 In The "ON" Position: Lights are programmed to turn on for 60 seconds after you disarm the alarm with the following exceptions: (1) Lights turn off 10 seconds after a door is opened, and (2) lights turn off instantly when ignition is turned on.

With Feature #3 In The "OFF" Position: Lights are programmed to turn on for 30 seconds after you disarm the alarm with the following exceptions: (1) Lights turn off 10 seconds after a door is opened, and (2) lights turn off instantly when ignition is turned on.

By Following steps 1, 2, and 3 on page 16, you will be in the feature programming mode. To turn "on" or "off" feature #3, follow the steps below:

Step #4: Press the Easy Valet™ button switch 3 times and the siren will chirp 3 times to confirm that you are in feature #3 program. You now have 10 seconds to start step #5.

Step #5: Within the next 10 seconds, turn feature #3 "on" or "off":

Turning "on" feature #3: Press the large transmitter button. The siren will chirp once to confirm feature #3 was turned on.

Turning "off" feature #3: Press the small transmitter button. The siren will chirp twice to confirm feature #3 is turned "off"

Note: If you keep turning feature #3 on and off, programming activity will be extended. 10 seconds without any programming activity, the system will exit the programming mode

Step #6: To turn "on" or "off" another feature number, repeat steps #4 and #5 within 10 seconds.

Step #7: To exit this program at anytime, Turn on ignition, or have 10 seconds of no program activity. Exiting this program is confirmed by one long warbling chirp.

90-Second Re-arming After Accidental Disarming

(Selected From Learning Code Feature #4): Alarm comes with this feature turned "On".

With Feature #4 In The "ON" Position: Once the transmitter has armed the alarm, feature #4 programs the alarm to stay armed until the owner gets back. If the alarm is accidentally disarmed from the transmitter, the alarm will automatically re-arm & lock the doors 90 seconds after each time the alarm is disarmed from the transmitter or until a vehicle door is opened or the ignition is turned on.

Note: When Automatic Last Door Arming is turned "on" from the uncut Green loop wire, this feature #4 will work automatically.

By Following steps 1, 2, and 3 on page 16, you will be in the feature programming mode. To turn "on" or "off" feature #4, follow the steps below:

Step #4: Press the Easy Valet™ button switch 4 times and the siren will chirp 4 times to confirm that you are in feature #1 program. You now have 10 seconds to start step #5.

Step #5: Within the next 10 seconds, turn feature #4 "on" or "off":

Turning "on" feature #1: Press the large transmitter. The siren will chirp once to confirm feature #4 was turned on.

Turning "off" feature #1: Press the small transmitter button. The siren will chirp twice to confirm feature #4 is turned "off"

Note: If you keep turning feature #4 "on" and "off", programming activity will be extended. 10 seconds without any programming activity, the system will exit the programming mode

Step #6: To turn "on" or "off" another feature number, repeat steps #4 and #5 within 10 seconds.

Step #7: To exit this program at anytime, Turn on ignition, or have 10 seconds of no program activity. Exiting this program is confirmed by one long warbling chirp.

NOTE: Feature #5 is not used at this time.

Door Lock Timing / Arming Delay / Chirp Elimination

(Selected From Learning Code Feature #6:) Alarm comes with this feature turned "On".

With Feature #6 In The "ON" Position: Anytime the door lock circuit is activated, this feature #6 is programmed to send a .8 second negative pulse to a optional relay that will interface with the vehicle's door locking system.

With Feature #6 In The "OFF" Position: When the door lock circuit is activated it will send a 3 second negative pulse to a relay that will interface with the vehicles door locking system.

(*Selected From Learning Code Feature #7:)* Alarm comes with this feature turned "On".

With Feature #7 In The "ON" Position: Feature #7 programs the alarm to be armed 3 seconds after the arming siren chirp confirmation.

With Feature #7 In The "OFF" Position: Feature #7 programs the alarm to be armed 45 seconds after the arming siren chirp confirmation.

(Selected From Learning Code Feature #8:) Alarm comes with this feature turned "On".

With Feature #8 In The "ON" Position: Feature #8 programs the alarm to have the siren chirp for the arming and disarming confirmation.

With Feature #8 In The "OFF" Position: Feature #8 programs the alarm "not" to have any siren chirp for the arming and disarming confirmation.

By Following steps 1, 2, and 3 on page 16, you will be in the feature programming mode. To turn "on" or "off" feature #6, #7 or #8 follow the steps below:

Step #4: Press the Easy Valet™ button switch 6, 7, or 8 times and the siren will chirp the same to confirm that you are in the feature program. You now have 10 seconds to start step #5.

Step #5: Within the next 10 seconds, turn the feature "on" or "off":

Turning "on" feature #1: Press the large transmitter button. The siren will chirp once to confirm that the feature was turned on.

Turning "off" feature #1: Press the small transmitter button. The siren will chirp twice to confirm that the feature is turned "off"

Changing Feature Functions

List Of The 7 Features That Can Be Changed As Described On Page 16:

Feature #1 = Ignition On/Off to lock & unlock doors.
- Feature turned "on" = Press large transmitter button.
- Feature turned "off" = Press small transmitter button.

Feature #2 = Open door bypass add to feature #1 above.
- Feature turned "on" = Press large transmitter button.
- Feature turned "off" = Press small transmitter button.

Feature #3 = Disarming lights stay on 30 or 60 seconds.
- Feature with 60 seconds lights on = Press large transmitter button.
- Feature with 30 seconds lights on = Press small transmitter button.

Feature #4 = Re-arm alarm 90 seconds after disarm from transmitter.
- Feature turned "on" = Press large transmitter button.
- Feature turned "off" = Press small transmitter button.

Feature #5 = Not used at this time.

Feature #6 = Door lock pulse time .8 or 3 seconds.
- Feature with .8 second door lock pulse time = Press large transmitter button.
- Feature with 3 seconds door lock pulse time = Press small transmitter button.

Feature #7 = 3 or 45 second arming delay after chirp confirmation.
- Feature with 3 second arming delay = Press large transmitter button.
- Feature with 45 second arming delay = Press small transmitter button.

Feature #8 = Chirp confirmation on or off.
- Feature turned "on" = Press large transmitter button.
- Feature turned "off" = Press small transmitter button.

LIMITED LIFETIME WARRANTY

Products manufactured and sold by Omega Research & Development, Inc. (the Company), are warranted to be free from defects in materials and workmanship under normal use. If a product sold by the Company proves to be defective, the Company will repair or replace it free of charge within the first year and thereafter all parts to be repaired will be free with only a nominal charge for Omega's labor and return shipping, during the lifetime of the car in which it was originally installed.

All products for warranty repair must be sent postage pre-paid to Omega Research & Development, Inc., P.O. Box 508, Douglasville, Georgia 30133, with bill of sale or other dated proof of purchase. This warranty is non-transferable and does not apply to any product damaged by accident, physical or electrical misuse or abuse, improper installation, alteration, any use contrary to its intended function, unauthorized service, fire, flood, lightning, or other acts of God.

This warranty limits the Company's liability to the repair or replacement of the product. The Company shall not be responsible for removal and/or reinstallation charges, damage to or theft of the vehicle or its contents, or any incidental or consequential damages caused by any failure or alleged failure of the product to function properly. Under No Circumstances Should This Warranty, Or The Product Covered By It, Be Construed As A Guarantee Or Insurance Policy Against Loss. The Company neither assumes nor authorizes any person or organization to make any Warranties or assume any liability in connection with the sale, installation, or use of this product.

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

K-9 CAR ALARM

"TOMORROW'S TECHNOLOGY TODAY"

WIRING INSTRUCTIONS

MODEL: K9-FIVE^{C}

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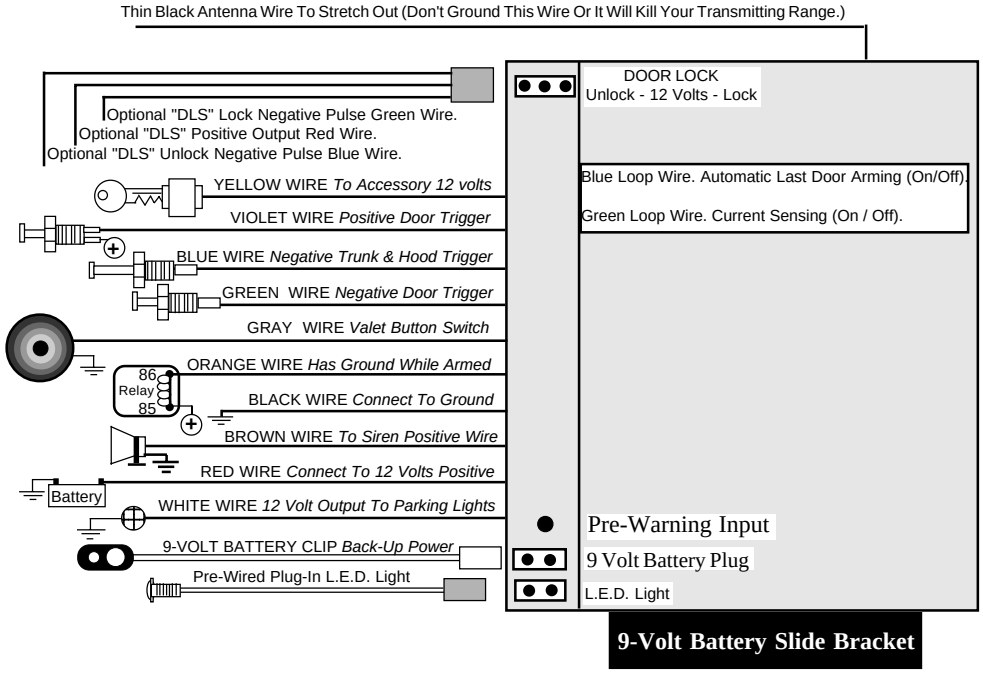

4 MAIN WIRE CONNECTIONS

Red Wire (*Connect To 12 Volt Positive*) 4
Thick Black Wire (Connect To Ground) Thin Black Wire *(Antenna Wire Does Not Connect To Anything)* 4
Yellow Wire (*Connect To Ignition 12 Volt*) 5
Brown Wire (*Connect To Siren Positive Wire*) 6

6 OPTIONAL WIRE CONNECTIONS FOR ADDITIONAL FEATURES

Green Wire (*Negative Door Trigger Wire*) 7
Violet Wire (*Positive Door Trigger Wire*) 8
Blue Wire (*Negative Hood & Trunk Trigger Wire*) 9
White Wire (*7 Amp Flashing Light Output*) 10-11
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RED & BLACK WIRE CONNECTION *power wires*

RED WIRE: (12 volts positive input). FUNCTION ONE: To supply constant 12v positive for alarm operation. FUNCTION TWO: After alarm is armed, if a dome light comes on the current spike would be sensed by the red wire to trigger alarm "on" instantly *& lock doors*. FUNCTION THREE: When 12 volts is first applied to red wire the alarm will trigger "on" instantly to sound siren, lock doors, flash lights and prevent car starting for 60 seconds then will continue to operate in the armed mode. Note**:** In valet mode with ignition key on, function three will not work, allowing vehicle to be serviced without the alarm being triggered "on" when the mechanic re-connects battery if the 9 volt back-up battery is working. FUNCTION FOUR: To supply 12 volts, 7 amps to the built-in relay contacts for flashing lights from the alarm white wire. CONNECTION: May be made directly to car battery, but for more dependable current sensing connect to a Constant 12 Volt wire at the ignition switch or behind the fuse block. Connection location must have 12v, 15amp capacity all the time.

BLACK WIRE: (Ground input) FUNCTION: To supply ground for alarm operation.

CONNECTION: Secure this wire to the metal grounded frame of vehicle or directly to the battery ground cable 6" or more away from battery. Make sure to scrape away all dirt and grease to get a good ground connection.

Note: If you have a bad ground connection, the alarm can find partial ground through other wires connected, but alarm will not function correctly making you think you have a bad alarm. The alarm can "half-way" work, so you would never suspect a badly grounded wire. In some cases the alarm could arm & disarm but not function correctly.

Note: When power &ground are first applied the alarm will trigger "on" instantly.

Note: Thin black wire connected to alarm brain **is the antenna wire. Just stretch this wire out, don't connect this wire to anything or it will reduce your transmitting range.**

YELLOW WIRE CONNECTION *Ignition 12 volts*

YELLOW WIRE: (Ignition +12 volt input).

FUNCTION ONE: The ignition switch turns 12 volts "on" or "off" to the yellow wire, allowing the alarm to be armed and disarmed.

With ignition key "off" (No +12 volts to yellow wire):

A) Zone Test will work until the alarm becomes armed.
B) The alarm can be armed.
C) Valet button switch will still function if alarm is disarmed.
D) Valet/Override button will not work to disarm alarm, if alarm is armed or triggered
E) In valet mode transmitter can still operate Doorlocks, Trunk Release and Panic.

With ignition key "on" (Receives +12 volts to yellow wire):

A) Transmitter Code Verification will work for 10 seconds.
B) The alarm cannot become armed.
C) The valet/override button can work after yellow wire has +12 volts if the valet button is pressed for two seconds within 5 seconds of yellow wire having +12 volts present.
D) The valet button can be turned on or off and holds memory of its selection while ignition key is turned off.
E) Clears the L.E.D. light memory of flashing when alarm was triggered while you were away.

CONNECTION: Connect yellow wire to ignition wire at ignition switch or behind the fuse block to a location that:

A) When ignition key is "Off" there is "No" +12 volts to yellow wire.
B) When ignition key is "On" and in "Start" there is +12 volts 10 amp positive to yellow wire.

BROWN WIRE CONNECTION *siren + wire*

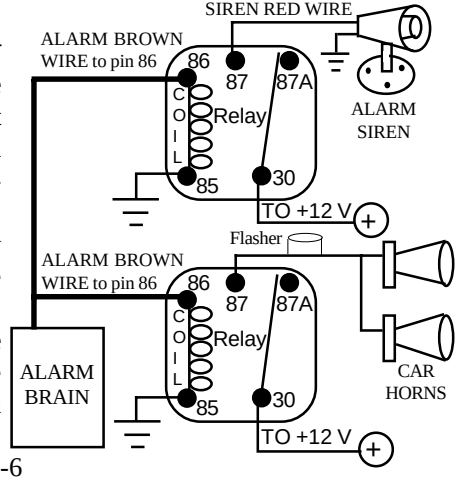
BROWN WIRE: (siren 12 volt 1amp positive output). FUNCTION ONE: To provide a constant 12 volt, 1 amp positive output directly to the electronic siren supplied in this package. FUNCTION TWO: To provide a constant 12 volt, 1 amp positive output directly to an optional relay coil, to allow additional devices (car horn, air horns, sirens or pagers) to come on when alarm is sounding. CONNECTION ONE: Connect alarm brown wire directly to electronic siren red positive wire. Only when alarm is triggered "on", or arm/disarm chirp confirmation, will the brown wire have 12 volts output to siren. **NOTE:** If brown wire touches ground directly without a load it damages circuit.

OPTIONAL CONNECTION TWO:

Connect alarm brown wire to the positive side of optional relay coil pin 86. Connect relay coil pin 85 to ground. Only when alarm is triggered "on" or arm/disarm confirmation chirps will brown wire work relay coil.

NOTE: If brown wire touches ground directly (without a one amp load) it can damage alarm circuit.

NOTE: Do not connect alarm brown wire to the siren and relay output at the same time. If one or two relays are used then connect siren red positive wire to relay contact pin 87.

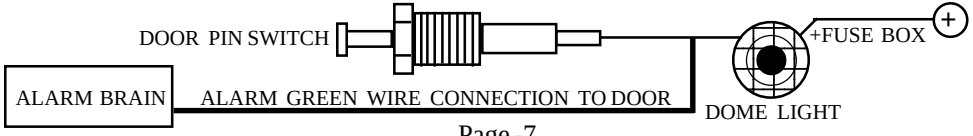


GREEN WIRE CONNECTION *negative door trigger*

GREEN WIRE: (Door negative instant trigger wire with G.M. de-bounce circuit). FUNCTION ONE: If the green wire becomes grounded after alarm has armed, the alarm will trigger . If the green wire is grounded at the time alarm becomes armed from the transmitter, the circuit by-pass feature will leave the green wire circuit unprotected until the circuit becomes ungrounded. FUNCTION TWO: For last door arming to work. After the ignition switch is turned "off", the exit delay countdown will not begin until the green wire changes from being grounded to ungrounded. (Example: any door opened, then the last door closes). **Note:** If any door on this circuit is re-opened within the 30 second exit countdown, the countdown will stop for as long as the door is open. Once the last door closes, the countdown resets and 30 seconds later the alarm automatically arms itself. FUNCTION THREE: When the alarm is triggered by the green wire the L.E.D. light will start flashing (3 times & pause) until the ignition switch is turned "on".

CONNECTION: If factory dome light pin switches are the grounding type, connect the green wire to a wire which is common to all the door pin switches. **Note:** If the car has a delay dome light the circuit by-pass feature will allow alarm to be armed from the transmitter instantly and will start protecting the green wire circuit when the dome light turns off. In passive arming mode, the alarm arms 30 seconds after the dome light turn off. Test the target wire for ground when any of the doors are opened.

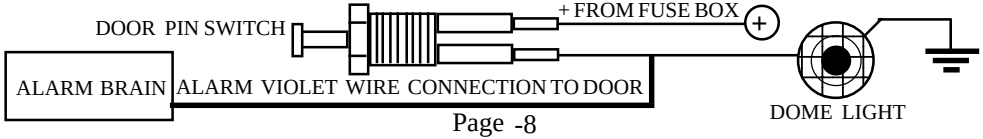
NEGATIVE COURTESY LAMP SYSTEM:



VIOLET WIRE CONNECTION *positive door trigger*

***VIOLET WIRE: (Door positive instant trigger wire)*:** FUNCTION ONE: If violet wire touches + 12 volt after the alarm has armed, the alarm will trigger. If the violet wire has + 12 volt at the time the alarm is armed from the transmitter, the circuit by-pass feature will leave the violet wire circuit unprotected until the violet wire does not have + 12 volt. FUNCTION TWO: For last door arming to work. After the ignition switch is turned "off", the exit delay countdown will not begin until the violet wire changes from being + 12 volt to no + voltage (example: any door open, then the last door closes). **Note:** If any door on this circuit is re-opened within the 30 second exit countdown, the countdown will stop for as long as the door is open. Once the last door closes, the countdown resets and 30 seconds later the alarm automatically arms itself. FUNCTION THREE: When the alarm is triggered by the violet wire the L.E.D. light will start flashing (3 times & pause) until the ignition switch is turned "On". CONNECTION: If factory dome light pin switches are the positive type, connect the violet wire to a wire which is common to all the door pin switches. **NOTE:** If the car has a delay dome light the circuit by-pass feature will allow the alarm to armed from the transmitter instantly and will start protecting the violet wire circuit when the dome light turns off. In passive arming mode, the alarm arms 30 seconds after the dome light turns off. Test the target wire for + 12 volt when any of the doors are opened.

POSITIVE COURTESY LAMP SYSTEM



BLUE WIRE CONNECTION *negative hood trigger*

BLUE WIRE: (Hood, trunk and accessory negative instant trigger wire):

FUNCTION ONE: If the blue wire is grounded after alarm has armed, the alarm will trigger.

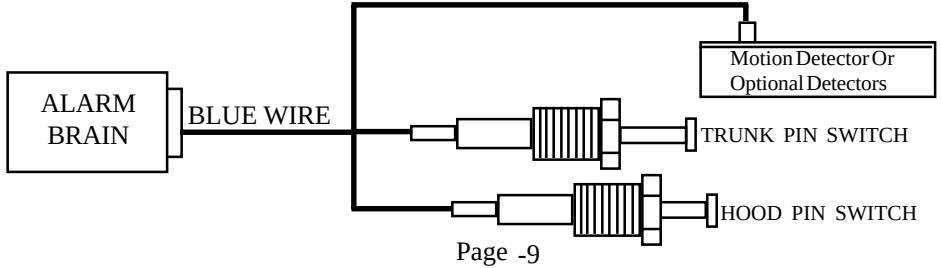
FUNCTION TWO: If the blue wire is grounded when the alarm is armed, the arming confirmation will change to 3 siren chirps and 3 light flashes to confirm that the circuit by-pass feature will the blue wire circuit unprotected until it becomes ungrounded.

FUNCTION THREE: During "last door arming" exit delay time if the blue wire becomes grounded the countdown timing will stop, resetting when the blue wire is ungrounded. The alarm will arm automatically in 30 seconds later.

Note: If blue wire is grounded, then last door arming will not start until ungrounded.

FUNCTION FOUR: When alarm is triggered by the blue wire, the L.E.D. light will start flashing (2 times & pause) until the ignition switch is turned "On" to clear it's memory.

CONNECTION: Connect to both hood and trunk self- grounding pin-switches for instant protection. *Motion detectors and other detection devices can be connected to the blue wire also. Diode-isolation may be required for some multiple sensor or pin-switch applications.*



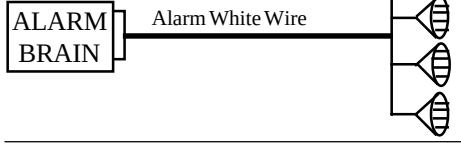
WHITE WIRE CONNECTION *flashing light output*

WHITE WIRE- Built-in Flashing Light Relay, +12 volt, 7amp Output:

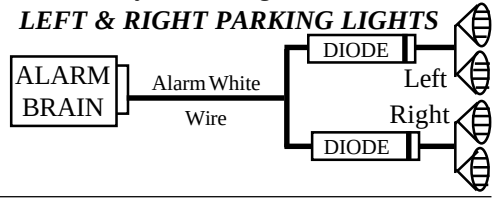
FUNCTION ONE: To supply +12 volt, 7 amp from a built-in relay to flash vehicle parking lights for arm/disarm confirmation and when the alarm is sounding during the triggered mode or panic mode. FUNCTION TWO: After disarming the alarm, the lights will come on for 60 seconds then automatically turn off (unless the alarm is re-armed), or turn off 10 seconds after door is opened or instantly if the ignition switch is turned on.

CONNECTION: Direct to parking lights positive wire. When left & right parking lights are on separate circuits then 10 amp diodes or relays must be used to connect each parking light side. **Note:** White wire touching ground directly can damage P.C. board

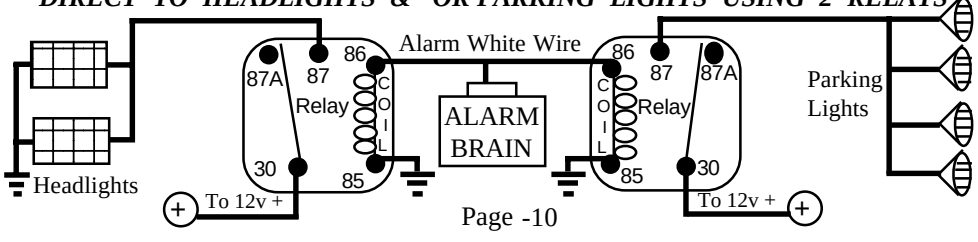
DIRECT TO PARKING LIGHTS



LEFT & RIGHT PARKING LIGHTS



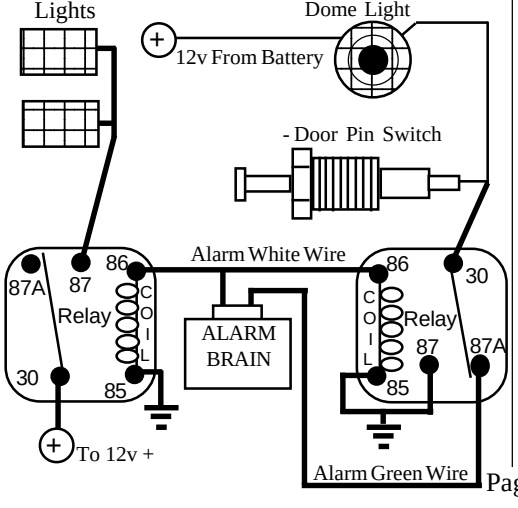
DIRECT TO HEADLIGHTS & OR PARKING LIGHTS USING 2 RELAYS



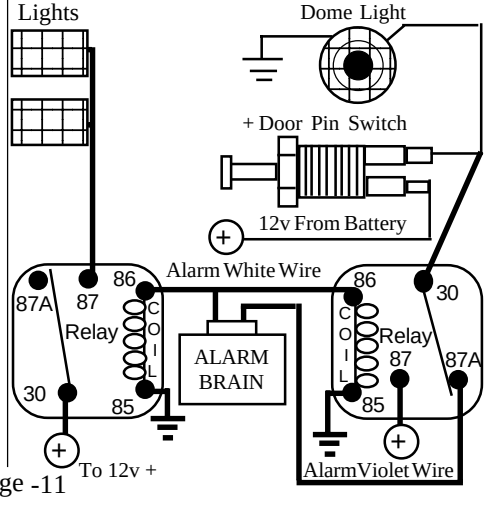
WHITE WIRE CONNECTION *flashing light output*

WHITE WIRE CON'T: How to connect white wire to vehicle's parking lights or headlights and the dome light system: Connecting two circuits together will draw more than the 7 amps that the alarm's relay can supply, and will also cause a feedback problem (Example: dome light comes on when your parking lights or headlights are turned on). Using two relays solves both problems. There are both + 12 volt and ground switching types of dome light systems. **NOTE:** Flashing headlights can cause them to fail earlier than normal.

NEGATIVE DOME LIGHT SYSTEM



POSITIVE DOME LIGHT SYSTEM



ORANGE WIRE CONNECTION *starter interrupt*

ORANGE WIRE: (500ma Negative Output For Optional Starter Interrupt Relay).

FUNCTION ONE: To provide a constant 500ma ground output for a relay coil only when alarm hijack is activated, alarm is armed or triggered "on". This allows relay to disable the starter only when starting vehicle for minimum current draw on battery.

CONNECTION: For Starter Disable: Connect orange wire to the negative side of optional relay coil pin #86. The wire from ignition key to starter solenoid will read 12 volts only when ignition key is in start position (cranking the vehicle). Cut this wire at a suitable location. Ignition key side of this cut wire, connect to pin #85 and #30 of relay. Starter solenoid side of this cut wire connect to pin #87a of relay.

Note: Only while cranking vehicle will a small drain be on battery from the use of this relay.

Note: If this wire touches 12 volts positive directly or has more than a 500ma ground load, it will damage this circuit.

DIAGRAM FOR STARTER DIS-ABLE

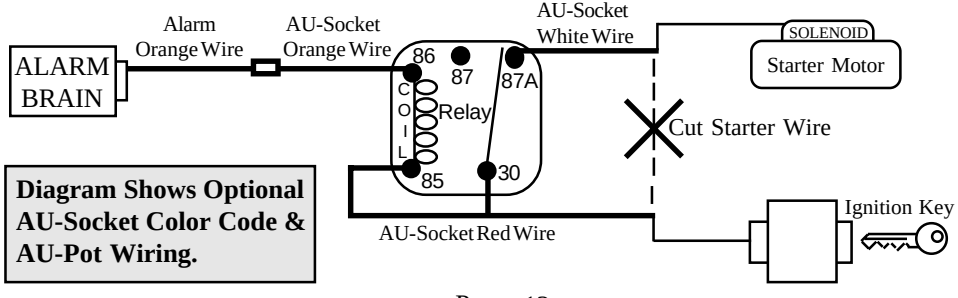


Diagram Shows Optional AU-Socket Color Code & AU-Pot Wiring.

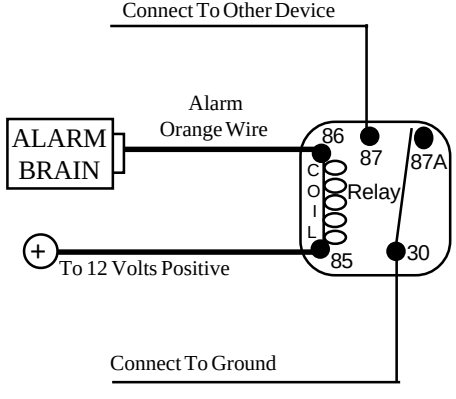
ORANGE WIRE CONNECTION *starter interrupt*

ORANGE WIRE CON'T:

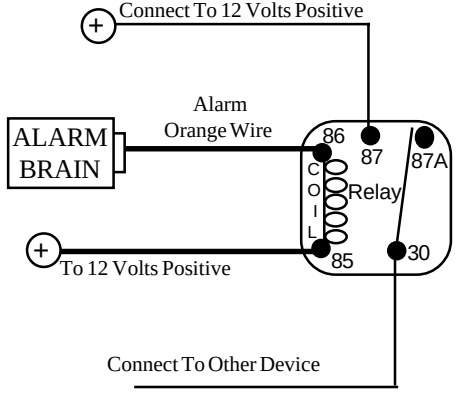
FUNCTION TWO: To have a relay supply 12 volts positive or ground to other detection devices when alarm is armed.

Note: Relay in function two will have current draw on battery only while alarm is armed.

SUPPLY GROUND TO OTHER DEVICES



SUPPLY POSITIVE TO OTHER DEVICES



GRAY WIRE CONNCTION *Easy Valet™ Switch*

FUNCTION ONE: Easy Valet™ is designed to keep the alarm from arming during extended stopovers for service stations, maintenance, valet parking, car washing, etc.

Turning On Easy Valet™ Simply press the valet button switch for two seconds to activate the valet mode. The alarm will confirm it is in the valet mode with two siren chirps, the L.E.D. light coming on constant and the lights flashing twice. The alarm will hold memory of the valet condition while the ignition is "on" or "off". While in the valet condition, the transmitters can still operate panic, doorlocks, trunk release; the doors will lock when the ignition is turned "on" and unlock when turned "off"'.

Turning Off Easy Valet™: Simply press the valet button switch and instantly the valet feature will turn off. To confirm that the valet mode is turned "off", the L.E.D. light will turn off.

FUNCTION TWO: Override feature to disarm the alarm if the transmitter is lost or inoperable.

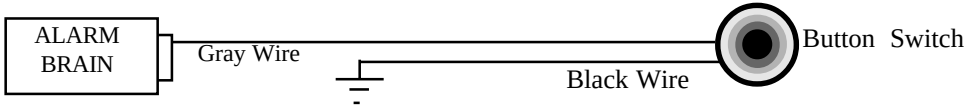
Disarming Alarm If Transmitter Is Lost: In the event the transmitter is lost, damaged, or its batteries become exhausted, the valet button switch and your ignition key can disarm the alarm system:

STEP 1. With the alarm in the armed condition, enter via the driver's door (be aware that the alarm will trigger the instant the door is opened).

STEP 2. Using your key, turn "on" the ignition.

STEP 3. Within 10 seconds, push the valet button switch and the alarm will disarm instantly.

CONNECTION: Ground the valet button switch's black wire, and connect it's gray wire to the alarm's gray wire.



L.E.D. Status Light Confirmation

The Red status L.E.D. light will inform you of 14 possible conditions the alarm can be in:

1) Off = Alarm is Disarmed.
2) On Constant = Alarm is in the valet mode.
3) Flashing = Alarm is armed.
4) Fast Flashing = 30 second passive arming or 90 seccond automatic re-arming in progress.
Note: The flash & pause sequences 5 thru 7 are for Zone Violation and Zone Testing.
5) Flash-1x & Pause = Alarm was triggered from the current sensing circuit.
6) Flash-2x & Pause = Alarm was triggered from the hood or trunk circuit wire.
7) Flash-3x & Pause = Alarm was triggered from the door circuit wire.

Zone Violation: If the alarm is triggered the L.E.D. light will start to flash & pause the #5 thru #7 code to indicate what protected circuit triggered the alarm. This code is held in the alarm's memory if the alarm automatically re-arms and after the alarm is disarmed from the transmitter. Turning "on" the ignition clears the code from the alarm's memory. The memory can store two different codes.

Zone Testing: Every time the ignition key is turned off , L.E.D. light will flash & pause the #5 thru #7 code to indicate what protected circuit is in a triggered state. Example: Open a door and the L.E.D. light will start flashing 3x & pause until the door is closed, or, if another protected entry point is triggered while the door is still open, then the L.E.D. light will indicate the most recent zone triggered. Current sensing can only detect a "spike", so the L.E.D. will flash once only during a current spike.

Code Verification: After the ignition is turned on, the L.E.D. light will flash to indicate the number of transmitters programmed to operate your alarm system. For example: two flashes & pause indicates that only two transmitters are coded to operate your system. When you leave the alarm installation shop or retrieve the vehicle after valet parking, you will now have the peace of mind of knowing that only your transmitters will operate the alarm and that no additional transmitters have been coded to steal your vehicle. This feature works for 10 seconds every time the ignition switch is turned "on".

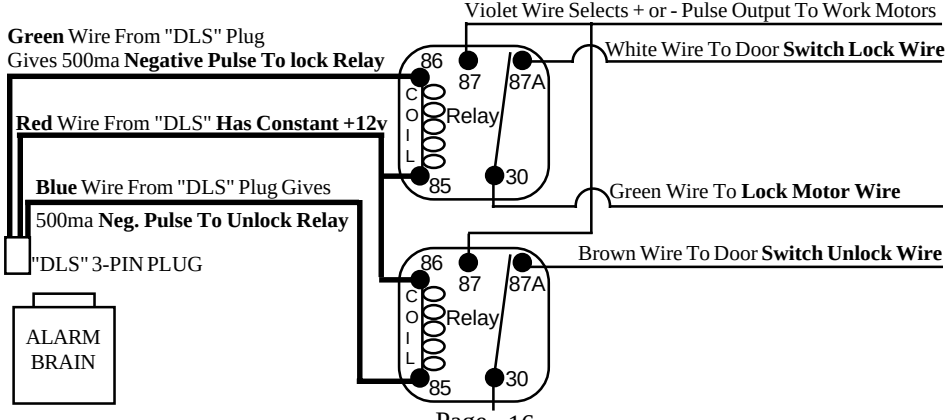
DLS DOOR LOCK CIRCUIT *output information*

DOOR LOCK & UNLOCK OUTPUTS: (Negative Outputs To Work Relays Or "DLS")

FUNCTION: Gives 500 ma. negative pulse to work relays that will operate your door lock system when alarm is armed or disarmed, lock doors when alarm is first triggered on by thief, lock when panic alarm & unlock when panic is turned off, unlock when trunk release is activated, lock & unlock doors while in Valet mode.

CONNECTION: A 3-pin connection can be made on the side of alarm brain that is marked "door lock". One outside pin gives negative output to lock & the other outside pin to unlock. The center pin is + 12 volts all the time.

OPTIONAL MODEL DLS: This “DLS” Door Lock Socket with optional relays just plugs into alarm. This option saves time by pre-wiring relays & the wires that interface with your door lock system. This “DLS” can be used in vehicles that are equipped with factory power door locks. The “DLS” will not make manual door locks automatic without the additional use of model DS-3 motor on each door to lock and unlock.

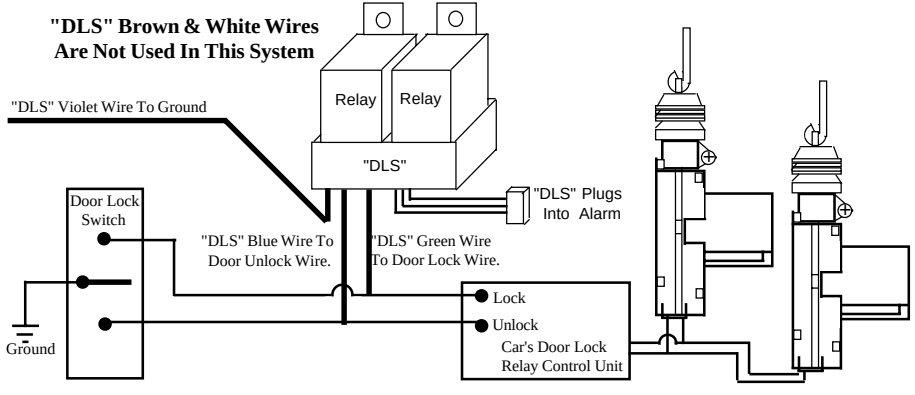


DOOR LOCK CIRCUIT *system " A"*

(S Y S T E M - A) 3-WIRE GROUNDING TYPE SYSTEM:

- One wire is grounded all the time. *If More Than One Wire Is Normally Grounded Without Working The Door Lock Switch,* ***Use SYSTEM "C" On Page 25.***
- One wire is grounded Only when switch is moved to the lock position.
- One wire is grounded Only when switch is moved to the unlock position.

CONNECTION: The diagram below shows how to connect the optional model "DLS" to your 3-wire GROUNDING type door lock system. If you wire relays directly without the optional model "DLS" then you can use the "DLS" wiring diagram on page 28 to see how the relay coils are wired to the alarm brain outputs & how the wires from the relay contacts are wired to interface with your door lock system.

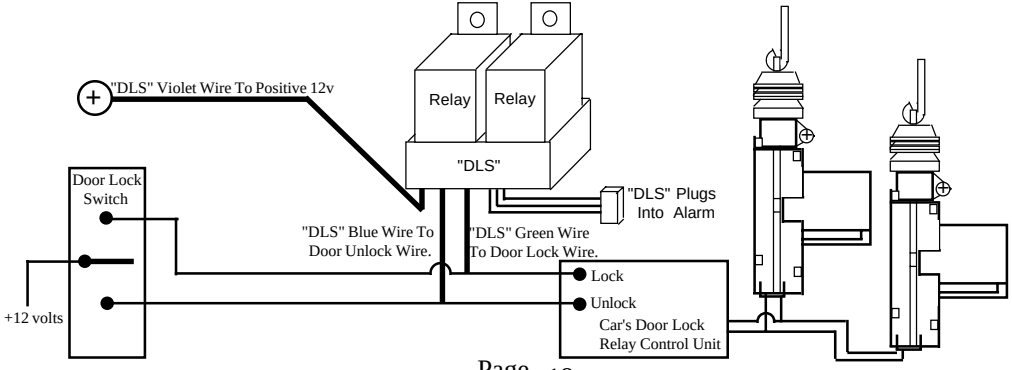


DOOR LOCK CIRCUIT *system "B"*

(S Y S T E M - B) 3-WIRE POSITIVE 12 VOLT TYPE SYSTEM:

- *If Any Wire Is Normally Grounded without working the door lock switch,* ***Use SYSTEM "C" On Page 25.***
- One wire has + 12 volts all the time.
- One wire has positive 12 volts Only when switch is moved to the lock position.
- One wire has positive 12 volts Only when switch is moved to the unlock position.

CONNECTION: The diagram below shows how to connect the optional model "DLS" to your 3-wire POSITIVE type door lock system. If you wire relays directly without the optional model "DLS" then you can use the "DLS" wiring diagram on page 28 to see how the relay coils are wired to the alarm brain outputs & how the wires from the relay contacts are wired to interface with your door lock system.

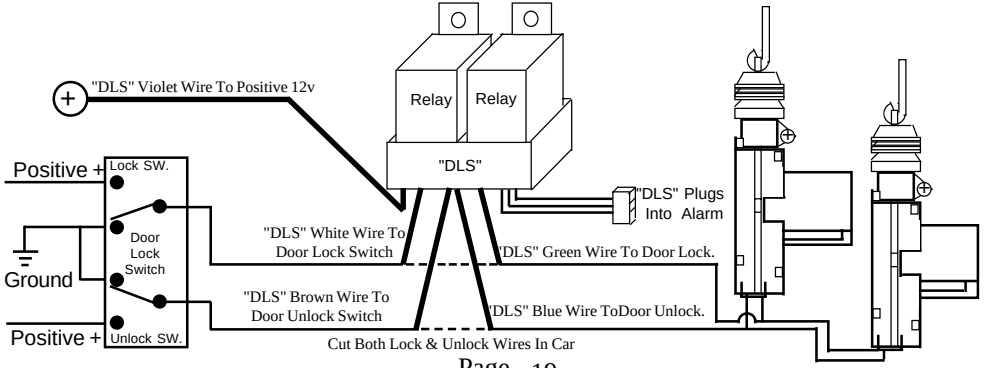


DOOR LOCK CIRCUIT *system " C"*

(S Y S T E M - C) 4 or 5-WIRE REVERSE POLARITY TYPE SYSTEM:

- One wire has +12v all the time. All Other Wires Are Normally Grounded without working the switch.
- One or two wires are grounded all the time.
- One wire is grounded normally but switches to +12v when the switch is moved to the lock position.
- One wire is grounded normally but switches to +12v when the switch is moved to the unlock position.

CONNECTION: The diagram below shows how to connect the optional model "DLS" to your 5-wire Reverse Polarity Rest at Ground type door lock system. If you wire relays directly without the optional model "DLS" then you can use the "DLS" wiring diagram on page 28 to see how the relay coils are wired to the alarm brain outputs & how the wires from the relay contacts are wired to interface with your door lock system.

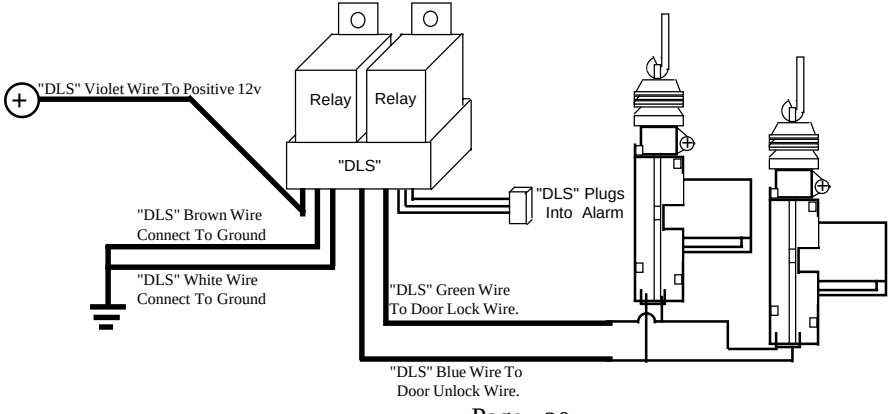


DOOR LOCK CIRCUIT *DS-3 motor*

SPECIAL DOOR LOCKING SYSTEMS THAT USE OPTIONAL DS-3 MOTOR:

If the driver's door key unlocks & locks all the doors but the passenger's door key leaves the driver's door unchanged, Then you need to install model DS-3 motor to the driver's door to operate from the alarm.

CONNECTION: The diagram below shows how to connect the optional model "DLS" to your (Model DS-3) 5-wire Reverse Polarity Rest at Ground type door lock motor. If you wire relays directly without the optional model "DLS" then you can use the "DLS" wiring diagram on page 28 to see how the relay coils are wired to the alarm brain outputs & how the wires from the relay contacts are wired to interface with your door lock system.



DOOR LOCK CIRCUIT *trouble shooting*

SYMPTOM A : Relays on "DLS" don't click when you arm or disarm alarm.

PROBABLE CAUSE : A)Bad connection between alarm and "DLS".
B)Alarm doorlock positive or negative pulse output is blown.

SOLUTION :Replace "DLS", relays or alarm.

SYMPTOM B :The doors lock and unlock from "DLS" out of sequence with arm and disarming of alarm.

PROBABLE CAUSE :You wired lock and unlock wires in reverse.

SOLUTION :Reverse the green and blue "DLS" wires on the plug. Or just re-plug "DLS" plug backwards.

SYMPTOM C : If doors lock and unlock from door switch correctly, but when alarm is armed or disarmed the "DLS" Relays smoke or blow fuses.

PROBABLE CAUSE : A) You're not using the correct doorlock wires.
B) For 3 or 4-wire doorlock systems the positive & ground wires are backwards.
C) For 5-wire systems, lock wires or the unlock wires are backwards
D)For 5-wire systems, The lock and unlock wires rest at nothing.

SOLUTION : A) Find the correct door lock wires.
B) Reverse positive or negative connection of violet wire.
C) For five wire systems, reverse "DLS" green & white wires, if smokes or blows fuses when alarm is armed to lock doors.Reverse "DLS" blue & brown wires if smokes or blows fuses when disarming alarm to unlock doors.

Back-Up Battery & Pre-Warning Shock Detection

Back-Up Battery:

This system includes a 9-volt alkaline battery with a slide bracket holder. The 9-volt battery is all that is required to provide alternate power to operate the alarm in the event the vehicle's battery is disconnected. A built-in protection circuit will not allow the 9-volt battery to back feed into your vehicle's electrical system or to flash the lights when the alarm is triggered, thereby conserving the 9-volt battery's power.

Imagine the look on a thief's face when your vehicle's hood is opened, triggering the alarm, and cuts the vehicle's battery but the alarm keeps sounding! Also, in the event the siren's wires are cut, the starter interrupt circuit will stay activated and prevent the vehicle from being driven away.

Replacement 9-volt alkaline batteries can be purchased anywhere batteries are sold. We recommend the battery be replaced with another alkaline battery every 18 months or after the 9-volt battery has operated the alarm on its own for any length of time. Under the following conditions, a new 9-volt alkaline battery's life is anticipated to be approximately:

1. 4 days as the only power source to the alarm while in the armed condition with the L.E.D. light flashing. The accessory sensor device will not function when the 9-volt battery is in use.
2. 50 triggered alarm cycles. A triggered alarm cycle is the 60-second period after the alarm is triggered, where the siren is sounding, the starter interrupt is activated, and the system automatically turns off and re-arms to again protect the vehicle.
3. 100 separate transmitter arm and disarm activations.
4. 2 years if the 9-volt battery circuit has not been activated.

Pre-Warning Shock Detection Circuit:

This circuit requires connection to a detection sensor device. When the sensor is triggered, the security system will respond by chirping the siren 3 times, flashing the lights once and locking all the doors. After this circuit has been triggered 5 times it will automatically shutdown until the alarm system is re-armed again. This will prevent the alarm from being a nuisance to the general public.

Programmable Functions

BLUE LOOP WIRE. (AUTOMATIC LAST DOOR ARMING):

Must open the alarm brain unit to locate this blue loop wire.

Note: All doors must have proper connection of alarm blue, green or violet wire to activate the last door arming timer. Refer to pages 17, 18 & 19 for proper connection.

With Last Door Arming Turned "On" (Blue loop wire is uncut) the alarm will arm automatically 30 seconds after the last door is closed. Alarm may also be armed immediately from the transmitter.

With Last Door Arming Turned "OFF" (Blue loop wire is cut) the alarm can only be armed from the transmitter.

GREEN LOOP WIRE. (12 VOLT CURRENT SENSING): When alarm is armed, current sensing can detect a positive current draw from the vehicle battery. (Example: Dome light comes on when door is opened or brake lights come on when you step on the brake pedal). This will trigger "On" alarm. **Note:** Vehicles with door handle touch sensor that turns on dome lights, requires connection of Green or Violet wire to the door circuit and *requires this current sensing feature to be turned off.*

Changing Feature Functions

Changing Feature Functions Through Learning Code Program:

This security system has 8 features that can be turned "on" or "off" through the features programming mode. To turn "on" or "off" selected features in the programming mode, follow these steps:

Step #1: Turn "off" the ignition.

Step #2: Within 5 seconds of turning "off" the ignition, press the valet button 5 times.

Step #3: You have just entered into the feature programming mode. To confirm, the siren will respond with one short and one long siren chirp. For the next 10 seconds the system is ready for you to select what feature code you want to enter and turn "on" or "off". Note: This programming mode will deactivate if a feature programming selection is not made within 10 seconds.

Step #4: Within 10 seconds of entering the feature programming mode, press the Easy Valet™ button switch the number of times that equal the feature number you want. After pressing the button switch multiple times the siren will chirp the same number of times to confirm what feature number you are now in for programming.

Example: Press valet button switch 8 times and the siren will chirp 8 times.

Step #5: Turning feature #8 in the example above "on" or "off":

Turning "on" feature #8: Press the large transmitter button. The siren will chirp once to confirm that the feature is turned on.

Turning "off" feature #8: Press the small transmitter button. The siren will chirp twice to confirm the feature turned "off".

Note: If you keep turning feature #8 in the example on and off, the programming activity is extended. Remember, 10 seconds without any program activity will result in the system exiting this programming mode automatically.

Step #6 Repeat steps 4 & 5 to enter into another feature number to program the "on" or "off" condition.

Step #7 Turning on the ignition, or 10 seconds of no program activity, will automatically turn off this feature programming mode. Exiting the program is confirmed by one long warbling chirp.

Ignition Turned On/Off Activates Door Locks

(Selected From Learning Code Feature #1): Alarm comes with this feature turned "On".

With Feature #1 In The "ON" Position:

A. The vehicle's doors are programmed to lock 1 second after the ignition is turned "on".

B. The vehicle's doors are programmed to unlock instantly when the ignition is turned "off".

By Following steps 1, 2, and 3 on page 17, you will be in the feature programming mode. To turn "on" or "off" feature #1, follow the steps below:

Step #4: Press the Easy Valet™ button switch 1 time and the siren will chirp 1 time to confirm that you are in feature #1 program. You now have 10 seconds to start step #5.

Step #5: Within the next 10 seconds, turn feature #1 "on" or "off":

Turning "on" feature #1: Press the large transmitter button. The siren will chirp once to confirm feature #1 was turned on.

Turning "off" feature #1: Press the small transmitter button. The siren will chirp twice to confirm feature #1 turned "off"

Note: If you keep turning feature #1 on and off, programming activity will be extended. 10 seconds without any programming activity, the system will exit the programming mode

Step #6: To turn "on" or "off" another feature number, repeat steps #4 and #5 within 10 seconds.

Step #7: To exit this program at anytime, Turn on ignition, or have 10 seconds of no program activity. Exiting this program is confirmed by one long warbling chirp.

Open Door By-Pass Added To Feature #1 Above: *(Selected From Learning Code Feature #2):*

With Feature #2 In The "ON" Position: The alarm comes with this feature turned on.

After the ignition is turned "On" or "Off", feature #2 is programmed to check the vehicle's door circuit first. If feature #2 detects that any vehicle doors are open when the ignition is turned "on" or "off", the doors will not lock or unlock from the ignition turning on or off. This prevents accidentally locking yourself out of the vehicle and to prevent children from exiting the vehicle.

To program follow step #4 above, but press the valet button switch 2 times and then follow step #5.

Disarming Alarm Activates Lights *For 30 Or 60 Seconds*

(Selected From Learning Code Feature #3:) Alarm comes with this feature turned "On".

With Feature #3 In The "ON" Position: Lights are programmed to turn on for 60 seconds after you disarm the alarm with the following exceptions: (1) Lights turn off 10 seconds after a door is opened, and (2) lights turn off instantly when ignition is turned on.

With Feature #3 In The "OFF" Position: Lights are programmed to turn on for 30 seconds after you disarm the alarm with the following exceptions: (1) Lights turn off 10 seconds after a door is opened, and (2) lights turn off instantly when ignition is turned on.

By Following steps 1, 2, and 3 on page 16, you will be in the feature programming mode. To turn "on" or "off" feature #3, follow the steps below:

Step #4: Press the Easy Valet™ button switch 3 times and the siren will chirp 3 times to confirm that you are in feature #3 program. You now have 10 seconds to start step #5.

Step #5: Within the next 10 seconds, turn feature #3 "on" or "off":

Turning "on" feature #3: Press the large transmitter button. The siren will chirp once to confirm feature #3 was turned on.

Turning "off" feature #3: Press the small transmitter button. The siren will chirp twice to confirm feature #3 is turned "off"

Note: If you keep turning feature #3 on and off, programming activity will be extended. 10 seconds without any programming activity, the system will exit the programming mode

Step #6: To turn "on" or "off" another feature number, repeat steps #4 and #5 within 10 seconds.

Step #7: To exit this program at anytime, Turn on ignition, or have 10 seconds of no program activity. Exiting this program is confirmed by one long warbling chirp.

90-Second Re-arming After Accidental Disarming

(Selected From Learning Code Feature #4): Alarm comes with this feature turned "On".

With Feature #4 In The "ON" Position: Once the transmitter has armed the alarm, feature #4 programs the alarm to stay armed until the owner gets back. If the alarm is accidentally disarmed from the transmitter, the alarm will automatically re-arm & lock the doors 90 seconds after each time the alarm is disarmed from the transmitter or until a vehicle door is opened or the ignition is turned on.

Note: When Automatic Last Door Arming is turned "on" from the uncut Green loop wire, this feature #4 will work automatically.

By Following steps 1, 2, and 3 on page 16, you will be in the feature programming mode. To turn "on" or "off" feature #4, follow the steps below:

Step #4: Press the Easy Valet™ button switch 4 times and the siren will chirp 4 times to confirm that you are in feature #1 program. You now have 10 seconds to start step #5.

Step #5: Within the next 10 seconds, turn feature #4 "on" or "off":

Turning "on" feature #1: Press the large transmitter. The siren will chirp once to confirm feature #4 was turned on.

Turning "off" feature #1: Press the small transmitter button. The siren will chirp twice to confirm feature #4 is turned "off"

Note: If you keep turning feature #4 "on" and "off", programming activity will be extended. 10 seconds without any programming activity, the system will exit the programming mode

Step #6: To turn "on" or "off" another feature number, repeat steps #4 and #5 within 10 seconds.

Step #7: To exit this program at anytime, Turn on ignition, or have 10 seconds of no program activity. Exiting this program is confirmed by one long warbling chirp.

NOTE: Feature #5 is not used at this time.

Door Lock Timing / Arming Delay / Chirp Elimination

(Selected From Learning Code Feature #6:) Alarm comes with this feature turned "On".

With Feature #6 In The "ON" Position: Anytime the door lock circuit is activated, this feature #6 is programmed to send a .8 second negative pulse to a optional relay that will interface with the vehicle's door locking system.

With Feature #6 In The "OFF" Position: When the door lock circuit is activated it will send a 3 second negative pulse to a relay that will interface with the vehicles door locking system.

(*Selected From Learning Code Feature #7:)* Alarm comes with this feature turned "On".

With Feature #7 In The "ON" Position: Feature #7 programs the alarm to be armed 3 seconds after the arming siren chirp confirmation.

With Feature #7 In The "OFF" Position: Feature #7 programs the alarm to be armed 45 seconds after the arming siren chirp confirmation.

(Selected From Learning Code Feature #8:) Alarm comes with this feature turned "On".

With Feature #8 In The "ON" Position: Feature #8 programs the alarm to have the siren chirp for the arming and disarming confirmation.

With Feature #8 In The "OFF" Position: Feature #8 programs the alarm "not" to have any siren chirp for the arming and disarming confirmation.

By Following steps 1, 2, and 3 on page 16, you will be in the feature programming mode. To turn "on" or "off" feature #6, #7 or #8 follow the steps below:

Step #4: Press the Easy Valet™ button switch 6, 7, or 8 times and the siren will chirp the same to confirm that you are in the feature program. You now have 10 seconds to start step #5.

Step #5: Within the next 10 seconds, turn the feature "on" or "off":

Turning "on" feature #1: Press the large transmitter button. The siren will chirp once to confirm that the feature was turned on.

Turning "off" feature #1: Press the small transmitter button. The siren will chirp twice to confirm that the feature is turned "off"

Changing Feature Functions

List Of The 8 Features That Can Be Changed As The Instructions Say On Page 30:

Feature #1 = Ignition On/Off to lock & unlock doors.
Feature turned "on" = Press arm/disarm transmitter button.
Feature turned "off" = Press #3 channel transmitter button.

Feature #2 = Open door bypass add to feature #1 above.
Feature turned "on" = Press arm/disarm transmitter button.
Feature turned "off" = Press #3 channel transmitter button.

Feature #3 = Disarming lights stay on 30 or 60 seconds.
Feature with 60 seconds lights on = Press arm/disarm transmitter button.
Feature with 30 seconds lights on = Press #3 channel transmitter button.

Feature #4 = Re-arm alarm 90 seconds after disarm from transmitter.
Feature turned "on" = Press arm/disarm transmitter button.
Feature turned "off" = Press #3 channel transmitter button.

Feature #5 = Disarm alarm automatically when trunk release is activated.
Feature turned "on" = Press arm/disarm transmitter button.
Feature turned "off" = Press #3 channel transmitter button.

Feature #6 = Door lock pulse time .8 or 3 seconds.
Feature with .8 second door lock pulse time = Press arm/disarm transmitter button.
Feature with 3 seconds door lock pulse time = Press #3 channel transmitter button.

Feature #7 = 3 or 45 second arming delay after chirp confirmation.
Feature with 3 second arming delay = Press arm/disarm transmitter button.
Feature with 45 second arming delay = Press #3 channel transmitter button.

Feature #8 = Chirp confirmation on or off.
Feature turned "on" = Press arm/disarm transmitter button.
Feature turned "off" = Press #3 channel transmitter button.

Learning Transmitter Codes

Transmitter Code Learning: This security system will respond to up to 4 different transmitters. This security system already has two transmitters programmed into the system memory.

When adding or deleting transmitter codes to operate your security system, follow this process:

1) Turn "on" the ignition.
2) Within 5 seconds of turning "on" the ignition, press the valet button switch 5 times.
   Note: Siren will chirp, confirming that for the next 10 seconds it's ready to learn a transmitter code.
   Note: If a code is not received within 10 seconds, the learning process will automatically terminate.
   Note: When the first transmitter code is learned it will erase all other prior codes and thus protect your alarm against unknown codes being entered without your knowledge.
3) To learn the first transmitter button codes:
   Step A. Within 10 seconds of step #2, press the transmitter button you want to arm/disarm/panic the alarm until you hear one siren chirp to confirm that the code was learned and that the alarm is ready to learn the disarm regardless of status code.
   Step B. Within 10 seconds of step A, press the transmitter button you want for disarm regardless of status code until you hear two siren chirps that confirm that the code was learned and that the alarm is ready to learn the remote valet and pre-warn bypass code.
   Step C. Within 10 seconds of step B, press the transmitter button you want for remote valet and pre-warn bypass until you hear three siren chirps that confirm that the code was learned and that the alarm is ready to learn the 2nd, 3rd or 4th transmitter codes starting at step A.
4) To program the second, third or fourth transmitter codes, repeat steps A, B, & C.
   Note: If the valet button is pushed once before step B or C, the alarm will advance to learn the next transmitter codes starting at step A. Thus, no code is learned in step B and/or C from the transmitter. This feature is useful for multiple car operation.
5) Turning off the ignition, or 10 seconds of no activity, will automatically turn off this transmitter learning code program, which is confirmed by one long sounding chirp.

Trouble Shooting

SYMPTOM	*PROBABLE CAUSE*	*SOLUTION*
Alarm arms with ignition key “on” Alarm doesn’t arm Valet Override Non-operational Last door arming not working	Yellow wire is not connected correctly	Yellow wire must be connected so when: A) With ignition key “on” there should be 12 volts to the alarm yellow wire. B) With ignition key “off” There should “not” be 12 volts to the alarm yellow wire
Last door arming not working	The blue, violet or green wire is not connected to the door pin switches correctly.	Connect the correct wire to the door pin switches
Alarm still won’t last door arm	Dip switch #2 was not turned "on" in the receiver brain	Must have dip switch #2 in the “on” position from the 4 pin dip switch bank
Alarm doesn’t trigger “on” from doors or hood, trunk, or accessory detection devices.	A blue, violet or green wire is still in a triggered condition	Disconnect all trigger wires and re-test one wire at a time
Alarm won’t re-arm	Valet is “on”	Press the Easy Valet™ button switch

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Products manufactured and sold by Omega Research & Development, Inc. (the Company), are warranted to be free from defects in materials and workmanship under normal use. If a product sold by the Company proves to be defective, the Company will repair or replace it free of charge within the first year and thereafter all parts to be repaired will be free with only a nominal charge for Omega's labor and return shipping, during the lifetime of the car in which it was originally installed.

All products for warranty repair must be sent postage pre-paid to Omega Research & Development, Inc., P.O. Box 508, Douglasville, Georgia 30133, with bill of sale or other dated proof of purchase. This warranty is non-transferable and does not apply to any product damaged by accident, physical or electrical misuse or abuse, improper installation, alteration, any use contrary to its intended function, unauthorized service, fire, flood, lightning, or other acts of God.

This warranty limits the Company's liability to the repair or replacement of the product. The Company shall not be responsible for removal and/or reinstallation charges, damage to or theft of the vehicle or its contents, or any incidental or consequential damages caused by any failure or alleged failure of the product to function properly. Under No Circumstances Should This Warranty, Or The Product Covered By It, Be Construed As A Guarantee Or Insurance Policy Against Loss. The Company neither assumes nor authorizes any person or organization to make any Warranties or assume any liability in connection with the sale, installation, or use of this product.

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

"Protect Yourself And Your Investment"

OWNER'S MANUAL

MODEL: AL-532C

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All products for warranty repair must be sent postage pre-paid to Omega Research & Development, Inc., P.O. Box 508, Douglasville, Georgia 30133, with bill of sale or other dated proof of purchase. This warranty is non-transferable and does not apply to any product damaged by accident, physical or electrical misuse or abuse, improper installation, alteration, any use contrary to its intended function, unauthorized service, fire, flood, lightning, or other acts of God.

This warranty limits the Company's liability to the repair or replacement of the product. The Company shall not be responsible for removal and/or reinstallation charges, damage to or theft of the vehicle or its contents, or any incidental or consequential damages caused by any failure or alleged failure of the product to function properly. Under No Circumstances Should This Warranty, Or The Product Covered By It, Be Construed As A Guarantee Or Insurance Policy Against Loss. The Company neither assumes nor authorizes any person or organization to make any Warranties or assume any liability in connection with the sale, installation, or use of this product.

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"TOMORROW'S TECHNOLOGY TODAY"

WIRING INSTRUCTIONS

MODEL: A L - 5 3 2^{C}

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