

Auxiliary Sensor & Prewarning

Auxiliary Sensor: This security system is equipped with a plug-in port for an optional sensor to increase the effectiveness of the system. The comprehensive line of optional sensors offered is comprised of impact sensors, glass tampering sensors, and microwave/radar sensors which can detect motion inside and outside the vehicle. Your Omega dealer can provide details on the complete line of sensors and help determine which sensor or sensors are best suited for your needs. Currently many sensors feature dual zone capability, which take advantage of the security system's prewarning circuit.

Bypassing the Auxiliary Sensor: If desired, the system may be armed, but without the auxiliary sensor being part of the system's protection. Upon arming, immediately after the single arming confirmation chirp, simply press and release the Transmitter Trunk Button; the system will chirp the siren once again to confirm that the sensor is bypassed. When the sensor has been bypassed, it will not activate the alarm, nor will it cause a Prewarning Detection.

Prewarning Detection: This circuit requires connection to a dual zone sensor or detection device. When the sensor's prewarn zone is triggered the security system will respond by siren burst followed by a series of chirps, which altogether lasts about 2 seconds.

Programmable Anti-Carjacking Protection

The Freedom-500 vehicle security system is equipped with three levels of programmable Anti-Carjacking protection. The Anti-Carjacking operation may be activated by the ignition, a combination of the ignition and an open door, or the transmitter. These three forms of Anti-Carjacking protection are programmable features, which are as received configured "Off".

First Level: Anti-Carjacking activated using the transmitter:

If programmable feature #14 is "On", the Anti Car-Jacking operation may be activated by pressing and holding the transmitter's Disarm/Unlock Button and Small Button together for 4 seconds while the ignition is "On".

Second Level: Anti-Carjacking activated by a door:

If programmable feature #15 is "On", the system will initiate the Anti-Carjacking operation every time a vehicle door is opened and closed while the ignition is "On".

Third Level: Anti-Carjacking activated by the ignition:

If programmable feature #16 is "On", the system will initiate the Anti-Carjacking operation every time the vehicle's ignition is turned "On".

Once the Anti-Carjacking process has begun, the user has 63 seconds to press the Valet/Override Switch in order to cancel the process. If not cancelled, at 55 seconds the siren will begin to chirp for 8 seconds to alert the user that the system is about to enter into an activated condition. If the Anti Car-Jacking process is not cancelled before the 63 second countdown expires, the system will fully activate. In the activated condition the siren/horn will sound, the parking lights will flash, and at 95 seconds the starter interrupt will engage. Once the system is activated in the Anti-Carjack mode, the transmitters will NOT stop the operation, nor will the system reset automatically. **Once it is fully activated, the Anti-Carjacking operation can only be deactivated by:**

First Step: Turning the vehicle's ignition "Off".

Second Step: Turning the vehicle's ignition back "On".

Third Step: Within 5 seconds Pressing the Valet/Override Switch.

Programmable Features

The Freedom-500 vehicle security system has 20 programmable features which allow the system to be customized to suite many individual needs. The following pages provide a brief explanation for each feature, and notes its factory default setting. If the feature is not an "on or off" type feature, the transmitter buttons'

functions in programming mode are noted. Otherwise, pressing the Arm/Lock Button turns the feature "on"; pressing the Disarm/Unlock Button turns the feature "off".

• = Default Factory Setting

1. Current Sensing: (•On / Off)

- Enables the system to be activated if armed should the system detect a voltage spike in the vehicle's electrical system.

2. Current Sensing Activation Delay: (3 Seconds / •3 Minutes)

- Allows option of a longer delay before activation by current sensing can occur. This is for use in vehicles with equipment, such as cooling fans, which stay on after the ignition has been turned off.

3. Last Door Arming: (On / •Off)

- Configures the system to automatically arm itself 30 seconds after the last of the vehicle's doors is closed.

4. Doors Lock With Last Door Arming: (On / •Off)

- Adds the automatic locking of the vehicle's doors to the previous feature.

5. Automatic Rearming: (On / •Off)
 - Configures the system to automatically rearm itself 90 seconds after it has been disarmed by the transmitter.
6. Doors Lock With Automatic Rearm: (On / •Off)
 - Adds the automatic locking of the vehicle's doors to the previous feature.
7. Steady Siren Output Or Pulsed Horn Honk Output: (•Siren / Horn)
 - Allows the selection of a constant output to sound the electronic siren or a pulsed output to properly sound the vehicle's horn. If programming, press the Transmitter Arm/Lock Button for the Steady Siren setting or press the Disarm/Unlock Button for the Pulsed Horn setting.
8. Ignition Controlled Door Lock: (•On / Off)
 - Configures the system to lock the vehicle's doors when the ignition is turned on. The following feature controls unlocking, and these features will still operate when the system is in Valet Mode.
9. Ignition Controlled Door Unlock: (•On / Off)
 - Configures the system to unlock the vehicle's doors when the ignition is turned off.

10. System Activation Cycle Duration: (•30 / 60 Seconds)
 - Configures the system's activation duration cycle to be either 30 seconds or 60 seconds. If programming, press the Transmitter Arm/Lock Button for the 30 Second setting or press the Disarm/Unlock Button for the 60 second setting.
11. Double Unlock Pulse: (On / •Off)
 - Configures system to change the single unlock output pulse into a double unlock pulse. Some newer vehicles require a double pulse to unlock the doors; when needed this feature saves the expense of optional parts.
12. Open Door Bypass Alert: (On / •Off)
 - Configures the system to chirp the siren 3 times upon arming, instead of 1 time, to warn the user if a door is still open.
13. Auxiliary 2nd Channel Disarms System or Engages Start Mode: (•Disarms / Start Mode)
 - This unique feature changes certain aspects of the system's Auxiliary 2nd Channel's operation so that it is more compatible with optional remote starter units. When this feature is utilized, instead of disarming the system when the Auxiliary 2nd Channel is activated, the system does not disarm. Additionally, certain of the system's sensory zones are bypassed to prevent false activation due to the remote starting operation. When this feature is set for the Start

Mode, and the Auxiliary 2nd Channel is activated, the system will bypass the current sensing and sensor zones if the system is armed. This allows a remote start module to start the vehicle without activating the system. The door and trunk zones remain active, and if violated will activate the system and turn the vehicle's engine off. If programming, press the Disarm/Unlock Button for Start Mode or the Unlock/Disarm Button for Disarm. Please note that the Auxiliary 3rd Channel has standard full-time Start Mode operation.

14. Transmitter Activated Anti-Carjacking: (On / •Off)

- This feature's operation is explained on pages 21-22.

15. Door Activated Anti-Carjacking: (On / •Off)

- This feature's operation is explained on pages 21-22.

16. Ignition Activated Anti-Carjacking: (On / •Off)

- This feature's operation is explained on pages 21-22.

17. Confirmation Chirp: (•On / Off)

- This feature allows the arm and disarm confirmation chirps to be turned off. When this feature is turned off, exceptions will be chirps during programming and the single chirp produced when the system arms by Last Door Arming and Automatic Rearming.

18. 1 or 2 Button Arm/Disarm: (1 Button / •2 Button)

- This feature controls how the transmitter operates the security system. Having this feature on the "2 Button" setting has the system operating in a "dedicated button for arming and dedicated button for disarming" fashion. The "2 Button" setting is the correct one to be used with the included transmitters. If this feature is set for "1 Button", a single transmitter button will alternate arming and disarming the system with each press of that button. This type of operation is also described as a "single button toggle" for the arming and disarming of the system. Optional transmitters are available for best use of this feature. When programming, press Arm/Lock for 1 Button, or Disarm/Unlock for 2 Button operation.

19. Transmitter Button #4 Operates Remote Panic: (On / •Off)

- This feature, described on page 15, configures the transmitter's Button #4 to operate Remote Panic without locking or unlocking the doors. If this feature is turned on, the Auxiliary 3rd Channel is operated by pressing and releasing Button #4 instead of pressing and holding it. When programming, press Arm/Lock for 3rd Channel, or Disarm/Unlock for Remote Panic operation.

20. Single or Multi-Vehicle Operation: (•Single / Multi-Vehicle)

- This feature is described on page 13. When programming, press Arm/Lock for Single operation, or Disarm/Unlock for Multi-Vehicle operation.

How to Program Features

The 20 programmable features, explained in the previous pages, are very easily programmed by a procedure using the ignition key, Valet/Override Switch, and transmitter. To access Features Programming Mode:

Step 1: Turn the vehicle's ignition "On" then "Off".

Step 2: Within 10 seconds of turning the ignition "Off", press the Valet/Override Switch 5 times. The system will sound a siren burst, then a single chirp confirming entry to Features Programming Mode.

Step 3: Within 7 seconds of entering Features Programming Mode, press the Valet/Override Switch the number of times equal to the number of the feature to be programmed. The system will repeat the feature number with same number of siren chirps.

Step 4: After the system acknowledges the feature to be programmed, press either the Transmitter Arm/Lock Button to turn the feature on (the system's response will be 1 chirp), or the Disarm/Unlock Button to turn the feature off (the system's response will be 2 chirps).

To program more features, simply repeat Steps 3 and 4. If seven seconds expire without any programming activity the system will automatically exit Features Programming Mode. Turning on the ignition switch will also exit the system from Features Programming Mode; in either case the system signals the exit with two siren bursts.

How to Program Transmitters to the System

Whenever a transmitter, new or existing, is programmed to the system, all existing codes are erased for security. So all of the transmitters which are to operate the system, which can be up to four, must be programmed at the same time.

Step 1: Turn "On" the vehicle's ignition.

Step 2: Within 10 seconds press the Valet/Override Switch 5 times. The system responds with 1 siren burst to confirm Transmitter Programming Mode.

Step 3: Within 10 seconds, press either the Trunk button or Button #4 on each transmitter to be programmed. The response to each is 1 and 1, 1 and 2, etc., siren burst then chirp(s).

If 17 seconds expire without any programming activity the system will automatically exit Transmitter Programming Mode. Turning off the ignition switch will also exit the system from Transmitter Programming Mode; in either case the system signals the exit with 1 long siren chirp.

Unauthorized Transmitter Alert: For the next 48 hours after transmitter programming, every time the vehicle's ignition is turned "On", the system will emit a series of siren chirps, and the LED Status Indicator will show the number of programmed transmitters for 90 seconds instead of 10 seconds. As the instructions above shows, programming extra transmitters to any vehicle security system is easy; the exclusive patented Unauthorized Transmitter Alert feature protects against someone programming their own transmitter to operate your system.

Replacement and Optional Transmitters

Replacement or optional transmitters are readily available from the dealer from which you purchased your system; or may purchased directly from Omega Research and Development. **Transmitters purchased from Omega are \$35.00 each**, which includes shipping and handling. You may view your transmitter options on page 2 of this manual, or on the Internet at "www.caralarm.com". To order transmitters from Omega direct, please use the form, which can be cut from this manual or photocopied, and legibly fill in the needed information. ***Please send a street address. Your transmitter(s) will be shipped UPS, which will not deliver to a P.O. Box.*** Please remit \$ 35.00 for each transmitter ordered; personal check, money order or credit card are acceptable. Mail order form to:

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