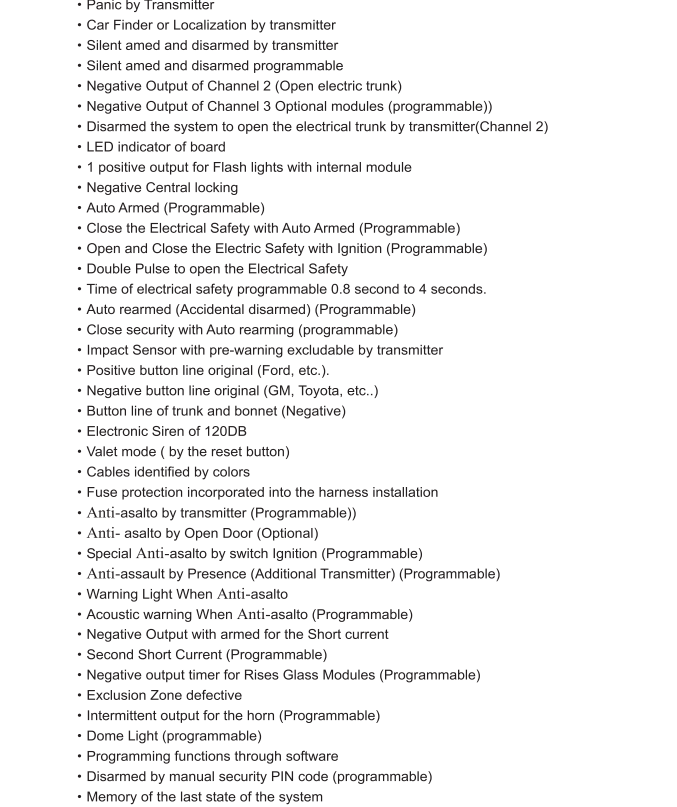


CAR ALARM SYSTEM

INSTALLATION MANUAL

MODEL : LB-100D



Alarm LB-100D User Manual

- Modules controlled by Micro-Processor
- 2 Transmitters with 4 buttons and Blue LED
- Learning 4 Transmitters (Codes)
- Transmitted frequency 433.92MHz(Anti Scan)
- Panic by Transmitter
- Car Finder or Localization by transmitter
- Silent armed and disarmed by transmitter
- Silent armed and disarmed programmable
- Negative Output of Channel 2 (Open electric trunk)
- Negative Output of Channel 3 Optional modules (programmable)
- Disarmed the system to open the electrical trunk by transmitter(Channel 2)
- LED indicator of board
 - 1 positive output for Flash lights with internal module
 - Negative Central locking
- Auto Armed (Programmable)
- Close the Electrical Safety with Auto Armed (Programmable)
- Open and Close the Electric Safety with Ignition (Programmable)
- Double Pulse to open the Electrical Safety
- Time of electrical safety programmable 0.8 second to 4 seconds.
- Auto armed (Accidental disarmed) (Programmable)
- Close security with Auto warning (programmable)
- Impact Sensor with pre-warning excludable by transmitter
- Positive button line original (Ford, etc.)
- Negative button line original (GM, Toyota, etc.)
- Button line of trunk and bonnet (Negative)
- Electric Siren of 120DB (Optional)
- Valet mode (by the reset button)
- Cables identified by colors
- Fuse protection incorporated into the harness installation
- Anti-asalto by transmitter (Programmable)
- Anti-asalto by Open Door (Optional)
- Special Anti-asalto by switch Ignition (Programmable)
- Anti-assault by Presence (Additional Transmitter) (Programmable)
- Warning Light When Anti-asalto
- Acoustic warning When Anti-asalto (Programmable)
- Negative Output with armed and disarmed (programmable)
- Second Short Current (Programmable)
- Negative output timer for Rises Glass Modules (Programmable)
- Exclusion Zone defective
- Intermittent output for the horn (programmable)
- Dome Light (programmable)
- Programming functions through software
- Disarmed by manual security PIN code (programmable)
- Memory of the last state of the system

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Introduction

We are grateful to have acquired the vehicle for our security system. Read the manual and use system main functions by transmitter, the valet switch and the LED indicator on the dashboard.

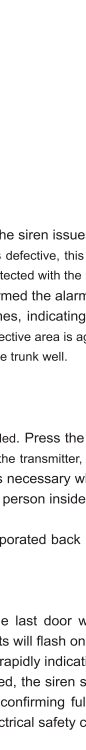
Transmitter.

Each transmitter is assigned a different code, the alarm system is programmed from the factory with 2 codes (2 transmitters), you can maximum program 4 codes (4 transmitters). The transmitter has 4 buttons I, II, III, IV

The system is pre-programmed routine work with each button on the transmitter. Works with the following configuration:

With the ignition switch OFF

- Button 1 - Arm the alarm system - Car Finder
- Button 2 - Disarm the alarm system
- Button 4 - Channel 2 Open electric trunk
- Buttons 1 and 2 simultaneous - Panic
- Buttons 3 and 4 simultaneous -Channel 3
- Button 1 and then button 2 - Exclusion of the impact sensor)
- Button 3 and then button 1 - Silent arm)
- Button 3 and then button 2 - Silent disarm



With the ignition switch ON

- Button 1 - Close electrical safety
- Button 2 - Opens electrical safety
- Button 3-anti-asalto
- Button 4 - Channel 2 Open electric trunk
- Buttons 1 and 2 simultaneous - Panic
- Button 3 and 4 simultaneous -Channel 3

Reset Button

The Reset button is used as a prevention option for the auto armed, anti-asalto by the ignition. To enter the Valet mode in the case of make maintenance of the vehicle, take the vehicle to the car wash, mechanical workshop, park in a restaurant, etc. The reset button is also used with the spark ignition to disarm the alarm system when the transmitter is inoperable (damaged, lost or exhausted batteries). The reset button is used to program the functions of the alarm system and to store new transmitters.

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LED indicator on the dashboard

LED indicator installed on the board, informs 7 different conditions of the alarm system

Transmitter Functions

Button 1: Arm / Close security

With the switch ignition OFF

Press and release the button I to arm the alarm system. If you press the button 2 within the first 3 seconds after the alarm system armed, exclude Impact Sensor

With the switch ignition ON

Press and release and close the electrical safety.

Button 2: Disarm / Open Safety

With the switch ignition OFF

Press and release the button II to disarm the alarm system and open the electrical safety, press again to send the second pulse to open the safe electrical

With the switch ignition OFF

Press and release and open the electrical safety

Button 3: Anti-asalto

Press the button III to activate the Anti-asalto by transmitter. It is also used in conjunction with the buttons I and II for Arm and Disarm in silent

Button 4: Channel 2 / Channel 3

Press the button IV for 3 seconds to activate channel 2, which is used to open the electric trunk of the vehicle.)

Press the buttons III and IV simultaneously to activate channel 3, (See programming of channel 3)

Button 1 and 2 simultaneous: Panic

Press the buttons I and II and hold on for 3 seconds, activate the panic mode

Button 3 then Button 1: Armed Silent

With the switch ignition OFF

Press and release the button III first and then press and release the button I, the system is put in silent mode, just get the warning light of armed

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Button 3 then Button 2: Disarmed Silent

With the alarm system armed

Press and release the button III first and then press and release the button II, the system is put in silent mode, just get the warning light of disarmed

Buttons 3 and 4 simultaneous: Channel 3

Press the button III and VI together for 3 seconds to activate the output of Channel 3.

Security Code in the Transmitter

Each system has 2 transmitters pre-assigned, you can assign up to 4 transmitters. Each transmitter has a unique code (invisible code). There will be another transmitter with code like yours, in fact the factory of micro-processors programmes transmitters in a code to avoid duplication

Armed the alarm system.

There are two methods to arm the alarm system

The first method is press the button I on the transmitter, it is necessary that the switch ignition is OFF position and the system is not in valet mode.

The second method is auto armed, which is obtained by passing the switch ignition from ON to OFF and then open and close a door. Auto Arming the system is 30 seconds after closing the last door, this feature is programmable

Arm alarm system by transmitter

The alarm system can always be armed by the transmitter on the condition that the switch ignition is in OFF position and the system is not in Valet Mode. After leaving the vehicle and have close all doors, press and release the button I on the transmitter for 1 time, the lights will flash once, the siren sound once and the LED indicator on the dashboard starts to flash slowly confirming the system is armed. If the electrical safety is activated to the alarm system, electric safety is closed, the short current will be connected to avoid the vehicle can be used in the last three seconds, the system moves to standby for an attempt theft.

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Exclusion zones defective

When arming the alarm system and if one area is defective, the siren issues 3 sounds and lights flash 3 times simultaneously, indicating that an area is defective, this occurs when the defective area will be excluded automatically and the vehicle is protected with the remaining areas, for example if the trunk is closed at the wrong time having armed the alarm system by the transmitter, the siren issues 3 sounds and lights flash 3 times, indicating that there is a door closed badly and exclude the sensors in that area. The defective area is again incorporated to protect after 3 seconds after correct the fault bone after closing the trunk well.

Exclusion of the impact sensor by the transmitter.

When arming the alarm system, the impact sensor is excluded. Press the button I on the transmitter to arm and within 3 seconds press the button II on the transmitter, the siren sound once to confirm the exclusion of the impact sensor. This feature is necessary when leaving the vehicle in an area transited by heavy vehicles or when it is a person inside the vehicle

To disarm the alarm system, the impact sensor will be incorporated back into the area of protection in the next arm.

Auto Armed (Programmable)

The alarm system is arming automatically after closing the last door with the ignition switch in the OFF position. Once you close the last door lights will flash once, siren sound once and the LED indicator on the dashboard starts to flash rapidly indicating the onset of armed Auto mode. After 30 seconds after the last door closed, the siren sound once and the LED indicator on the dashboard starts to flash slowly confirming full arming of the alarm system. If electrical safety is connected programs, electrical safety closes.

During the first 30 seconds before arming timing the alarm system, if one door is opened, the auto armed mode pass standby, closing the door will reboot again after 30 seconds. The auto arm is excluded when the vehicle is in valet mode.

Note: To avoid problems when leaving the vehicle, be sure to remove the key from the ignition switch, because the alarm system can arm itself automatically, close the electrical safety to prevent you enter the vehicle again

Arm the Alarm System and Activated

When the alarm system is armed, the LED indicator on the dashboard blinks slowly. If a door is opened, the siren start sounding and lights flashing for 30 seconds. If the door remains open for 30 seconds, the siren will sound and the lights detailing for 3 minutes. During the 3 minutes the alarm system exclude the sensor of doors protecting the vehicle, after the rest of the sensors. If the door is closed before the first 30 seconds after starting the siren, the siren is silent for 30 seconds and the lights stop flashing.

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If you disarm the alarm system, the siren sounds 4 times and the lights flashing 4 times, indicating that the vehicle had an attempted theft, the LED indicator on the dashboard blinks, pass the switch ignition to ON position, and check the vehicle.

Disarm the alarm system

When the alarm system is armed, press and release the button II on the transmitter, the siren sounds twice and lights flash twice indicating the development of the alarm system, the current is cut off, the LED indicator on the dashboard is off. If electrical safety is connected, it will be opened if you press Button II again, the system will send the second pulse of the opening of electrical safety

Arm Silent

First press and release the button III and then press and release the button I on the transmitter to arm the alarm system silently, the alarm system is arming without siren sounding. When in silent arm mode, and the vehicle has a door open or not closed, the siren sounds 3 times correspondingly.

Disarm Silent

First press and release the button III then press and release the button II on the transmitter to disarm the alarm system silently, the system is disarmed without siren sounding. When in silent disarm mode and the vehicle suffers an attempted theft, the siren sounds 3 times correspondingly.

Auto Re-arm or Disarm Accidentally

This function is programmed into the memory of the alarm system as a preventive function. Its necessary when you disarm the alarm system using the transmitter and has not entered the vehicle after the ignition switch is ON position, LED indicator on the dashboard starts to flash rapidly, after 90 seconds the alarm system is armed again and confirming with 1 sound of the siren and 1 flash of the lights. If the function is scheduled at ON, it will close the electrical safety, protecting the vehicle again until you disarm again.

Car Finder or Locator

The Car Finder is designed as a function of vehicle location in order to locate when not remember where you parked in a parking with the alarm system armed, press and release the button I on the transmitter, immediately the siren sounds once and lights flash 5 times indicating the location of the vehicle.

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Panic Mode

Press the buttons I and II on the transmitter simultaneously to activate the panic mode, the siren begins to sound and the lights of the vehicle turns on and off, to de-activate the mode ,press and release the button II on the transmitter

Open Electric Trunk (Channel 2)

In programming, the alarm system is designed a transmission channel which may be used to open the electric trunk of the vehicle through the transmitter. Press the button IV on the transmitter for 3 seconds and release, immediately opens the trunk. If the alarm system is armed, it is not necessary to disarm the alarm system and then open the trunk, just press the button IV, the alarm system is disarmed and opens the trunk, so you are avoiding the trouble that starts to sound the siren to open the trunk by transmitter.

Anti-asalto by door

When the ignition switch in the ON position, open and close the driver's door, the LED indicator on the dashboard will start flashing, the lights will flash twice indicating to activate the anti-asalto, if acoustic warning is programmed the siren will confirm with 2 sounds. To make the anti-asalto by door, must be connected by cable of anti-asalto by door, for a negative push on the door of the driver.

Anti-assault by Transmitter

This function is used to immobilize the vehicle in an emergency, by pressing button III on the transmitter for 3 seconds while the engine is running, the vehicle lights will flash twice, LED indicator begins to flash indicating the activation of Anti-assault, if acoustic warning is programmed the siren will sound twice. This feature is programmable (see table programming functions)

For the anti-assault present work, it must activate additional presence of the transmitter. Programmed into the system memory and enable the feature in the Feature table.



Turning on the Transmitter

Press the button on the transmitter and hold on, the red LED of transmitter issues a flash and turns off, after 3 seconds the LED of transmitter will remain on for 2 seconds. Release the button on the transmitter.

The transmitter sends a signal to the receiver module (Central Unit) every 6 seconds. When the transmitter's internal battery is exhausted, LED of transmitter begins to give warning tones continuously. You must replace the battery in the transmitter.

Turning off the transmitter.

Press the button on the transmitter and hold on, the red LED of transmitter issues a flash and turns off, after 3 seconds the LED of transmitter issues 5 flashes. Release the button on the transmitter.

Anti-Assault active

As soon as the alarm system enters anti-assault mode, the vehicle lights will flash twice, if the feature 13 is activated, the siren issues 2 sounds, LED indicator begins to flash slowly, after 30 seconds the lights start flashing and the siren sounds intermittently, after 15 seconds after the siren start to sound intermittently, if the function 14 is programmed to activate the current short intermittently producing a failure in the motor. After 15 seconds activate the current short constantly to turn off the engine and closing the electrical safety. The siren begins to sound.

Disable/Deactivation of Anti-Assalts

To Disable anti-asalto before the siren sounds 6 tones or before the 60 seconds after being activated antisasalto, press and release the reset button 1 time.

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To Disable anti-asalto after the siren sounds 6 tones or the last 60 seconds after being activated, hold or pass the switch ignition ON position, press the reset button with the number of times as indicated the security code (factory is 1) and wait 3 seconds, while waiting for confirmation that the code entered is correct.

Valet Mode and Reset Button.

The Valet Mode is designed to disable the alarm system when required, for example when you need to leave the vehicle in a parking lot, do maintenance, etc.. To learn how true it is necessary for the alarm system is disarmed, pass the switch ignition in the ON position, press the reset button for 3 seconds, to turn on the LED indicator on the board passed a constant power.

When the alarm is in valet mode will be excluded from power cuts(antisasalts) and audible alarm system, just get the functions of Car Finder, panic by transmitter, opening and closing of electrical safety, output channel 2 (open chest, electric) and output channel 3 (rise glass modules, etc.)

Disarmed the system by the reset button

In the event that the transmitter is lost, damaged or it is draining the battery, you can disarm the system using the reset button.

First, With the armed security system, open the driver's door, the siren begins to ring.

Second, pass the switch ignition to the ON position, before the 10 seconds press the reset button with the number of times assigned in the security code (factory setting is 1), the siren sounds continually for 3 seconds and if the code is correct the system is disarmed.

LED indicator of dashboard

The LED indicator on the dashboard is designed to give you a warning light in the state in which the alarm system, additionally alert if the vehicle had an attempted theft, the LED indicator board should normally be installed on the board where you can view clearly.

The LED will indicate in 7 different status of the alarm system.

1. LED off: The alarm system is disarmed.
2. LED on constantly: The alarm system is the Valet Mode.
3. LED flashes slowly: The alarm system is armed.
4. LED blinks fast: 30 seconds warn automatic armed, 90 seconds warn automatic re-armed.

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5. LED flashes with 2 blinks pause: The vehicle suffered an attempted theft by opening the trunk or bonnet.
6. LED flashes with 3 blinks pause: The vehicle suffered an attempted theft by opening the doors
7. LED flashes with 4 blinks pause: The vehicle suffered an attempted theft by optional modules.

Confirmation by the siren and lights

Through the electronic siren and the lights of the vehicle, alarm system will indicate the distincts events associated with the protection of the vehicle.

1 sound of the siren and 1 flash of the light indicate the alarm system armed.

1 sound of the siren after having armed the security system and within first 3 seconds indicates the exclusion of the impact sensor.

1 Sound of the siren and pass switch ignition to the OFF position indicate that the system is in valet mode

2 Sounds of sirens and 2 flashes of lights confirm disarmed the security system. Constant siren sounds and lights flash indicate the vehicle suffers an attempted theft

4 sounds of sirens and 4 flashes of lights to disarm the alarm system indicate that the vehicle had an attempted theft.

Intermittent sound of the siren for 2 seconds, warn the slight impact on the vehicle.

Pre-warning of the impact sensor.

The impact sensor is designed to indicate by siren whether the vehicle suffers mild or strong impact. If the impact is mild siren sounds intermittently for 2 seconds, if the impact is strong the siren sounds for 30 seconds.

Exclusion of false alarms

The security system is designed and programmed to sound the siren of the period 30 seconds, if any attempted theft which make siren sounds a period longer than 30 seconds to reach the 3 minutes, alarm system automatically mutes the siren and excludes the area sensor activated, protect the vehicle with the rest of the sensors, which function also applies to the impact sensor with 10 continuous pre-warning shooting.

Scheduling functions

The micro-processor is designed to alarm the security system functions are programmed directly into memory, you can program 16 different roles.

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Method to enter the memory of the functions to be programmed.

The security system has 16 programmable functions which you can change.

Follow these steps to enter the memory programming:

1. Pass the switch ignition ON to OFF position.
2. Within the first 7 seconds after passing switch ignition OFF, press and release the reset button 6 times.
3. The lights will turn on and the siren will sound 1 indicating that entered the programming functions mode, you have 10 seconds to select the desired program, if within the first 10 seconds not enter program function, the team leaves the programming mode ..
4. Within the first 10 seconds, press and release the reset button the number of times corresponding to the number of the function you want to schedule, the siren will confirm with the same tone as the number of times you press the reset button. For example, you want to schedule the closing of electric safety with auto armed, press the reset button 2 times, the siren will respond with 2 sounds.
5. To activate a function after selecting the function, press the button I on the transmitter, the siren will confirm with 1 tone to activate function and the LED indicator on the dashboard lights fixed, to deactivate the function press the button II on the transmitter siren confirm with 2 sounds to disable the selected function and the LED on the board will turn off. You have 10 seconds to active or deactivate the function, during this period if you do not enter any activity, the system automatically exits the programming mode confirming 5 siren sounds and the lights go out.
6. If you need to program another function, repeat steps 4 and 5 to active or disactive function.
7. To exit the program mode, wait 10 seconds or pass switch ignition to ON position, the siren confirms with 5 sounds and lights turn off, exit programming mode.

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Programmable functions.

Function	Description	OFF	Button I	Button II
1	Auto Armed	OFF	ON	OFF
2	Close of the Auto Armed security	OFF	ON	OFF
3	Close ignition security	ON	ON	OFF
4	Open ignition security	ON	ON	OFF
5	Automatic re-arm	ON	ON	OFF
6	Acoustic Arm and Disarm	ON	ON	OFF
7	Exclusion of false alarms	OFF	ON	OFF
8	Anti-asalto by transmitter	OFF	ON	OFF
9	Delay line buttons by Courtesy Light	OFF	ON	OFF
10	Anti-asalto by ignition	OFF	ON	OFF
11	Pulse Type of Channel 3	A	ON	View Schedule
12	Intermittent horn (Cornet)	D	ON	View Schedule
13	Acoustic Warning Activation of Anti-asalto	OFF	ON	OFF
14	Engine failure during the second phase of Anti-asalto	OFF	ON	OFF
15	Security lock with automatic re-arm	ON	ON	OFF
16	Anti-asalto Presence (Additional Transmitter)	OFF	ON	OFF

Programming time of the Electrical Safety

The plant time of the electric security is 0.8 seconds, the time can be lengthened to 4 seconds by cutting the bridge No.1 located on the right side of the connector impact sensor.

Open -> Double pulse of electrical Safety

The alarm system comes factory-programmed with the function of opening security electric vehicles with double pulse, press the button II on the transmitter to disarm the alarm system, the system sends the first pulse of openness, press the button II on the transmitter again, and send the second pulse of the opening of electrical safety.

Programming and Functions of Channel 3

Channel 3 of alarm system is completely independent of channel 2 while electric trunk opening, this was designed to be used simultaneously pressing the buttons III and IV on the transmitter, may be used to activate optional modules such as the vehicle ignition module, electric module rise glass, etc.

Channel 3 has three types of signal (Pulse, constant and fixed) which can be programmed but only one of the 3 can be chosen.

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- A. Pulse: Press for 3 seconds and release simultaneously the buttons III and IV of transmitter, and get a pulse, if you keep the button pressed the siren is only 25 seconds or until you stop pressing the buttons.
- B. Constant: Press for 3 seconds and release simultaneously the buttons III and IV of the transmitter, you get a constant pulse on Channel 3, press and release the button III and IV again simultaneously, and disables the pulse of the Channel 3
- C. Fixed: Press for 3 seconds and release simultaneously the buttons III and IV of the transmitter, and get a pulse of 30 seconds on Channel 3

The functions are selected in the table of programming through function 11 of programmable functions.

Programming the function of channel 3:

- A. Pulse: press button I, siren confirms with 1 sound
- B. Constant: press button II, siren confirms with 2 sounds
- C. Fixed: press button III, siren confirms with 3 sounds

Intermittent horn

The function of intermittent horn can be programmed with 4 different functions but only one can be chosen:

- A. Dome Light: Turn the lights inside the vehicle to disarm the alarm system and flashes to the siren for either panic or attempted theft.
- B. Short Current: When arming the alarm system maintains a constant pulse which can be used for a second or short flow to activate additional sensors.
- C. Rise Electric Glass: When arming the alarm system sends a pulse of 30 seconds which can be used to activate an optional module of rising electric glass.
- D. Intermittent horn: Intermittent sound in the horn of the vehicle when the fire alarm system for attempted theft, and chirp 1 sound when arming the alarm system and 2 sounds to disarm the alarm system, it works in conjunction with the functions of the output of the siren (independent)

Programming function of the horn Intermittent:

- A. Dome Light — Press button I, siren confirms with 1 sound.
- B. Short Current — Press button II, siren confirms with 2 sounds.
- C. Rise Electric Glass— Press button III, siren confirms with 3 sounds.
- D. Intermittent horn— Press button IV, siren confirms with 4 sounds.

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The alarm system is designed to store up to 4 different transmitters, caution whenever you schedule a transmitter, alarm system erases the memory of previous transmitters, and program all the transmitters at the same time. If you lost the transmitter or transmitters that you hold, you can erase memory of the last transmitters to be programmed again by using this delete function. The transmitter should be present in the last memorized.

To access the memory and thus be able to program the transmitter, follow these steps:

1. Pass the switch ignition to the ON position

2. Within the first 5 seconds after passing the switch ignition to the ON position, press and release the reset button 6 times, the siren will confirm with a long sound, you have 10 seconds to start entering the transmitters. If not enter any transmitter within the 10 seconds or pass the switch ignition to the OFF position, the system automatically exits the learning of transmitters and a siren will confirm with 2 sounds and the memory of the transmitters will not be erased.
3. Press and release Button I to program the transmitter, the siren will confirm with 1 sound to memorize transmitter, from that moment the old transmitters are erased.
4. To schedule a second transmitter, repeat step 3, and the siren will confirm with 2 sounds to memorize the second transmitter, and the third with 3 sounds close to the fourth programming.
5. Pass the switch ignition to the OFF position and wait 10 seconds, the alarm system shuts down and exits the learning mode transmitter, the siren will confirm with 2 sounds.
6. Anti-asalto If the ignition is turned on, place the system in valet mode and follow steps 1-5.
7. To program the transmitter for additional anti-asalto, removal program in the memory of the first alarm transmitters and last program additional transmitter with the transmitter off, press and release the button on the transmitter, the system will confirm with various sounds from the transmitter memorization

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Security Code: Factory security code is assigned 1.

You can disarm the alarm system and disable anti-asalto by ignition switch and entering the security code via the reset button.

