

## Appendix 2 — UNDERSTANDING THE LED FLASHES

- A. Arming indicator — Flashes quickly during the 30-second rearm to show passive arming countdown.
- B. Door open indicator — OFF when a hardwired door is opened during the 30-second rearm or passive arming countdown.
- C. Armed indicator — Flashes when the alarm is armed.
- D. Disarmed indicator — OFF when the alarm is disarmed.
- E. Tamper and triggered zone ID — Flashes one or more times after the alarm is disarmed to indicate which zone was triggered.
- F. RF reception indicator — ON while any transmitter button is pressed.
- G. Valet mode indicator — Flashes slowly to indicate system is in valet mode.
- H. Anti-Carjack — Rapid flashes to indicate the system is in the anti-carjack mode.

## Appendix 3 — PROGRAMMABLE FEATURES

Programmable features allow you to customize your alarm. Your dealer can program them when the alarm is installed.

- Permanent chirp delete — Can permanently disable the siren's chirps. See page 8.
- Passive/active arming — Alarm is default at active arming. Press the **I** button to arm the alarm. In passive arming, the alarm arms itself when you turn the ignition OFF and close the last open door.
- Current sensing — Program the alarm for switch sensing only, or for both current and switch sensing. Alarm is default at current and switch sensing.
- Ignition-controlled door lock and unlock — Can be set to lock and/or unlock the doors automatically when the ignition is turned ON and/or OFF.
- Double Pulse Lock/Unlock — Alarm default is set at single pulse lock/unlock. Some vehicles require a double pulse.
- 0.5/3.5-sec. door lock/unlock time — Alarm default is set at 0.5 sec.
- SecureLock™ (Automatic Locking) - If this feature has been enabled under the automatic arming mode, then the doors will automatically lock once the alarm arms. See page 8

**Notice:** The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**IMPORTANT NOTE:** To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

# OWNER'S MANUAL

# **ENFORCER**®

**100LB** • **100LB-4**  
**100CB** • **100CB-4**  
(315 MHz) (433.92 MHz)

Remote Controlled  
Vehicle Security System

**SLI**®

**SECO-LARM® U.S.A., INC.**  
16842 Millikan Avenue  
Irvine, California 92606



FILE: MOE100CFB.PMD/JAN2005  
ORDER PART#760-930-1/170728

**CONGRATULATIONS**

From the moment you purchased this ENFORCER Vehicle Security System, you became a part of the SECO-LARM family. You started taking advantage of over 34 years of advanced engineering. You joined a team of engineers, technicians, designers, and people like yourself who know how important protecting your car is. You discovered the SECO-LARM difference.

This difference is important because the ENFORCER is more than just an alarm. It's a complete security and convenience system. It's like having your personal security guard and butler on call in your car, 24 hours a day.

Keep in mind that the best security systems will not work properly without careful installation. Therefore, the ENFORCER is designed for installation by your professional SECO-LARM dealer. He understands both his alarms and your needs, and will work hard to ensure the ENFORCER does its job for you. Welcome to the family: SECO-LARM, your dealer, and you!

**IMPORTANT**

This ENFORCER security system contains many innovative features and unique functions. Please read this Owners Manual carefully in order to understand all of this alarm's security and convenience features. Some features may require the addition of sensors or accessories not included with this alarm. Please consult your professional SECO-LARM dealer.

**NOTICE**

The information and specifications printed in this manual are current at the time of publication. However, the SECO-LARM policy is one of continual development and improvement. For this reason, SECO-LARM reserves the right to change specifications without notice. SECO-LARM is also not responsible for misprints or typographical errors.

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**INSTRUCTIONS TO THE USER**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of more of the following measures:

- \* Reorient or relocate the receiving antenna.
- \* Increase the separation between the equipment and receiver.
- \* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- \* Consult the dealer or an experienced radio/TV technician for help.

This equipment has been certified to comply with the limits for a Class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

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.

FCC ID : K4E919TP4F

**Appendix 1 — UNDERSTANDING THE SIREN CHIRPS AND LIGHT FLASHES**

- A. 1 chirp/flash:
- When the **I** button is pressed, the alarm is armed.
  - When a door is closed, the alarm will arm in 30 seconds (passive arming).
  - 30 seconds after the ignition switch is turned OFF and all doors are closed (or delayed domelights turn OFF), the alarm is armed (passive arming).
  - Successfully entered the valet mode.
- B. 2 chirps/flushes:
- When the **II** button is pressed, the alarm is disarmed.
  - Successfully exited the valet mode.
- C. 3 chirps/flushes:
- When pressing the **I** button to arm the alarm, indicates the alarm arms even though it is not set properly (door not closed, or broken switch, or domelight is still ON).
- NOTE: If the delayed domelights are ON when the **I** button is pressed, the siren will chirp 3 times. This gives the impression that the door is open when it may really be closed.
- When pressing the **I** button followed by the **III** button, indicates sensor is bypassed.
  - Completed emergency disarm.
  - Pre-intrusion warns potential thieves or vandals who trigger the first stage of any dual-stage sensor that is connected to the alarm.
- D. 4 flashes only:
- When the **I** or **II** button is pressed during the valet mode.
- E. 2 Chirps/ 7 flashes:
- When pressing the **II** button to disarm the alarm, indicates the alarm was triggered.
- NOTE — The chirps for arm, disarm, zone bypass, sensor bypass, emergency disarm, valet, and tamper can be deleted. (Ask your dealer.)

## TAMPER INDICATORS & TRIGGER ZONE ID

If your alarm was triggered when you were away, the siren will chirp two times and the parking lights flash seven times when you disarm your alarm. The LED flashes in quick cycles to show where the car was violated as follows:

- 1 flash — The ignition was turned on.
- 2 flashes — The alarm was triggered via panic.
- 3 flashes — The shock sensor or other add-on sensor was triggered.

- 4 flashes — A door was opened.
- 5 flashes — The hood or trunk was opened.
- 6 flashes — Current sensing was triggered.



These “memory” flashes automatically reset when the ignition is turned ON.

## IGNITION-CONTROLLED POWER DOOR LOCKS

Your alarm can be programmed for ignition-controlled operation (doors lock when you turn the ignition ON, and/or unlock when the ignition is turned OFF). Consult your dealer.

## OTHER FEATURES

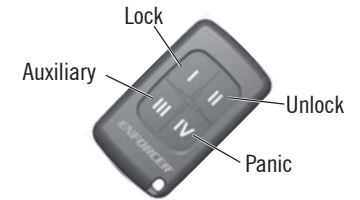
- **Starter disable** — With this optional feature, while your alarm is armed, your car will not start, even if a thief has your keys.
- **Dual-power protection (DPP™)** — Helps keep your alarm powered even if a thief cuts the alarm’s main power line. (Optional — ask your dealer.)
- **Double Pulse Lock/Unlock** — For vehicles that requires two pulse signals to arm/lock & disarm/unlock.

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## TRANSMITTER FUNCTIONS

1. Press the **I** button to:
  - Arm the alarm.
  - Lock power door locks.
  - Reset the alarm.
  - Bypass an open zone.
2. Press the **II** button to:
  - Disarm the alarm.
  - Unlock power door locks.
3. Press the **III** button to:
  - Operate channel 2 (such as popping the trunk or rolling up the windows).
  - Silently arm or disarm the alarm.
  - Bypass the alarm’s sensors.
4. Press the **IV** button to:
  - Turn the siren ON in an emergency.



## ENFORCER 100LB OR ENFORCER 100CB?

These two models offer the same convenience and protection features and have the same operation. The only difference is that the ENFORCER 100CB features CODEBUMP™ anti-codehopping technology. This means that the transmitter's code changes each time you press one of its buttons to prevent thieves from using a code-grabbing device to copy the code.

## ARMING

There are two different ways to arm your alarm. Tell your dealer which is best for you:

### ❑ Active Arming

Turn your ignition OFF. Close all the doors. Then press the **I** button. If the siren chirps and parking lights flash once, the alarm is fully armed and the doors lock.

If the siren chirps 3 times, the alarm is either waiting for the vehicle's delayed domelights to turn OFF (if your vehicle is so equipped), or it is telling you that one of the alarm's zones (a door, or the hood or trunk) is either open or is not functioning properly. (See ZONE BYPASS, page 5). Also, check to make sure your car's domelight switch was not left in the ON position. These chirps can be programmed off. See page 11.

### ❑ Passive arming

Turn your ignition OFF, and open a door to exit the car. When the last door is closed (and the domelight turns OFF, if your car has delayed domelights), the siren chirps and parking lights flash once. The LED flashes quickly during the 30-second arming countdown, after which the siren chirps and parking lights flash once more to confirm the alarm is completely armed.

If you wish, you can open a door during the arming countdown, and keep it open for as long as needed. The LED turns OFF while the door is opened. Close the last door, and the siren will chirp and parking lights

flash once to show the 30-second arming countdown has started again. The LED will also begin to flash quickly.

If you close the last open door, and the siren does not chirp and parking lights do not flash, you know that one or more openings are not closed properly. This is SECO-LARM's patented Quick and Quiet Testing (Q.Q.T.™), and it prevents you from thinking your alarm is armed when it may not be. In this case, double-check that all the doors, as well as the hood and trunk, are closed properly, and that your vehicle's domelights are OFF. If you cannot locate the problem, but need to arm the alarm, then press the **I** button to immediately arm the alarm and bypass whatever zone is open (see ZONE BYPASS, page 5).

**NOTE** — Under passive arming, you can force your alarm to arm immediately any time during the 30-second arming countdown by pressing the **I** button.

**NOTE** — Make sure your car's domelight switch is not in the ON position when you arm your alarm either actively or passively, otherwise the alarm may not arm properly if the domelight switch is left ON.

**NOTE** — There are references to opening or closing a door throughout this manual. "Door" also includes your hood and trunk, if they are protected. Consult your dealer.

and the LED starts flashing to show the alarm is armed.



## ARMED

When the 30-sec. arming countdown ends, or when the **I** button is pressed to arm the alarm, the siren chirps and parking lights flash once,

## ANTI-CARJACK PROTECTION (optional)

### A. Enabling the ANTI-CARJACK function:

If the ANTI-CARJACK toggle switch is not installed, you cannot use the ANTI-CARJACK function (please ask your dealer).

To enable the ANTI-CARJACK function, put the ANTI-CARJACK toggle switch to the ON position. If the ANTI-CARJACK toggle switch is OFF, the ANTI-CARJACK function cannot be entered.



Once the ANTI-CARJACK function is enabled, you can disable it by turning the ANTI-CARJACK toggle switch OFF. However, this must be done before you turn the ignition ON.

### B. Stages of the ANTI-CARJACK mode:

#### 1. Stage 1

a. ANTI-CARJACK is triggered if someone opens and closes a door while the ignition is ON. Once ANTI-CARJACK is triggered, turning OFF the ANTI-CARJACK toggle switch will have no effect. At this point, Stage 1 begins. Stage 1 lasts for up to 30 seconds.

b. During the 30 seconds, the LED flashes rapidly.

c. Pressing the VEL switch one time during the 30 seconds exits ANTI-CARJACK. Once ANTI-CARJACK is exited, the LED turns OFF.



d. If the ignition is switched OFF at any time during the 30 seconds without first pressing the VEL switch, Stage 1's 30-second countdown will pause, but ANTI-CARJACK will not exit. The LED will turn OFF. The next time the ignition is turned ON, Stage 1's 30-second countdown will pick up where it left off.



#### 2. Stage 2

a. Once Stage 1 ends, Stage 2 begins. Stage 2 also lasts for up to 30 seconds.

b. While in Stage 2, the LED continues to flash rapidly, the parking lights flash, and the siren continuously chirps.



c. Pressing the VEL switch at any time during this stage exits ANTI-CARJACK provided the ignition is still ON. (If the ignition is turned OFF before pressing the VEL switch, the alarm jumps to Stage 3, see below.) Once ANTI-CARJACK is exited, the lights stop flashing, the siren stops chirping, and the LED turns OFF. The alarm can now be used as normal.

#### 3. Stage 3

a. Once Stage 2 ends, Stage 3 immediately begins.

b. While in Stage 3, the LED remains rapidly flashing, and the parking lights continue to flash. However, the siren sound changes from chirping to a full blast (sound continuously). The lights flash and the siren sounds until the emergency disarm procedure is performed or until 30 seconds after the ignition is turned OFF.



c. The starter disable output is engaged. This means that turning the ignition OFF or pressing the VEL switch one time will have no effect. The emergency disarm procedure must be performed in order to exit ANTI-CARJACK and start the engine.



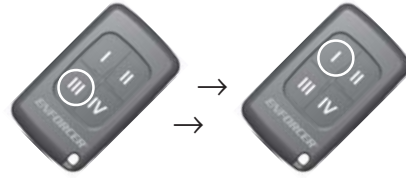
## CHIRP DELETE (silent arm/disarm)

There are times, especially at night, when you may not want to hear the siren chirps. There are 2 ways to delete chirps:

- A. One-time delete — Just press the **III** button any time before you need the chirps deleted. For instance, press the **III** button before you press the **I** button to arm the alarm, and the chirps will not sound, but the parking lights will still flash. The chirps are restored the next time you press any transmitter button.
- B. Permanent delete — Your dealer can program your alarm to delete the chirps on a permanent basis.

NOTE — Either method deletes the arm, disarm, pre-intrusion, zone bypass, sensor bypass, emergency disarm, valet, and tamper chirps. However, they do not affect the flashing parking lights.

### Silent Arm



### Silent Disarm



## EMERGENCY CALL FOR HELP (Panic)

To trigger the alarm in an emergency, press the **IV** button for 2 seconds. The siren sounds and the parking lights flash for about 30 seconds. The alarm and door lock/unlock status do not change.

Stop the siren and the parking lights any time by pressing any of the four buttons.

Note:

1. The alarm will be in the armed mode and the doors will lock if the **I** button is used to exit the panic mode.

2. The alarm will be in the disarmed mode and the doors will unlock if the **II** button is used to exit panic mode.
3. The alarm will be in the disarmed mode, the doors will lock, and channel 2 output will be activated if the **III** button is used to exit panic mode.
4. The alarm and the door locks will return to their original mode if the **IV** button is used to exit panic mode.

## POWER DOOR LOCKS

With this optional feature, your alarm can automatically lock the doors when the **I** button is pressed to arm the alarm and unlock the doors when the **II** button is pressed to disarm the alarm. For extra security, they lock automatically if the alarm is triggered. (Exception — See EMERGENCY CALL FOR HELP above)

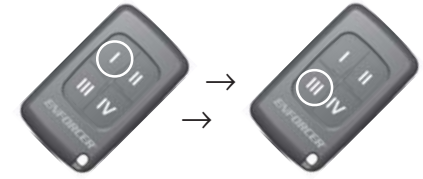
Your alarm can also be programmed for ignition-controlled operation. The doors can be set to automatically lock when you turn the ignition ON, and unlock when you turn the ignition OFF.

NOTE — Under passive arming, and when the SecureLock™ function is enabled, the doors automatically lock after the 30-second exit delay is over and the alarm arms.

## SENSOR BYPASS

This is useful if you know, based on experience, that your shock sensor (or other add-on sensors) will false trigger, such as when you park near a construction site.

Should you wish to bypass your alarm's sensors, first press the **I** button to arm the alarm (even if the alarm is set for passive arming). The siren chirps and the parking lights flash once (three times if a zone is bypassed) to confirm armed. Within three seconds, press the **III** button. The siren chirps three times and the parking lights flash three times to confirm sensors are bypassed. The sensors are automatically restored the next



time the **II** button is pressed.

NOTE — The chirps to confirm sensor bypass will not sound if chirp delete is engaged. However, the parking lights will still flash three times. See CHIRP DELETE, page 8.

## ZONE BYPASS

When you press the **I** button to arm the alarm, and the alarm responds with three chirps and three parking light flashes, there are two possibilities:

- A. Delayed domelights — Delayed domelights do not immediately turn OFF when you close your car door. This is normal. The alarm should protect all doors once the domelights turn OFF.
- B. A zone was bypassed — In other words, the alarm has armed, but a door may not be protected (either because it is open, or because its pin switch is broken). If the bypassed door is later closed, it will be

restored.

If your alarm indicates a bypassed zone, find the cause as soon as possible to ensure your vehicle is completely protected. For instance, if your driver's door is not properly closed when you arm your alarm, a thief may be able to open any door without setting off the alarm.

NOTE — The chirps to confirm zone bypass will not sound if chirp delete is engaged. However, the parking lights will still flash three times. See CHIRP DELETE, page 8.

## 2nd CHANNEL OUTPUT

Your transmitter has an extra channel to control optional accessories.

2nd channel is commonly used to "pop" the trunk. To use, press the **III** button for two seconds, either while the ignition is ON and any door is opened, or while the ignition is

OFF. The alarm will disarm first to prevent the siren from sounding. (NOTE — If no doors are connected directly to your alarm, the 2nd channel will not operate with the ignition ON. Ask your dealer for details.)





## TOTAL PROTECTION

While your alarm is armed, your car is protected in the following ways:

- Potential thieves or vandals will be warned by the flashing LED.
- If a thief opens a door, the alarm immediately sounds the siren and flashes the parking lights for 30 seconds. If the opened door is not closed and current sensing has not been selected, the siren and lights will trigger up to four 30-second cycles, after which the alarm will rearm.
- Turning the ignition key ON will trigger the alarm for 30 seconds.
- The starter disable prevents the car from being started.
- ANTI-CARJACK (optional) is triggered if someone opens and closes a door while

the ignition is ON.

- If the shock sensor detects light taps on the car, it will trigger the pre-intrusion alert (the siren chirps five times and the parking lights flash five times) to warn potential thieves and vandals. However, if it detects a strong shock to the car, such as shock caused by prying the trunk open, it will trigger the alarm for 30 seconds. (See DUAL-STAGE SHOCK SENSOR, page 7)
- Optional SECO-LARM shock, motion, glass-break, and microwave sensors will offer your alarm additional protection. Ask your SECO-LARM dealer.

## DISARMING

To disarm the alarm, press the **II** button. The siren chirps twice, the parking lights flash twice, and the LED turns OFF. What happens next depends on how your alarm is set (ask your dealer):

- ❑ Alarm set for active arming with Secure Lock™ OFF  
The alarm is now completely disarmed.
- ❑ Alarm set for active arming with Secure Lock™ ON  
The system will automatically rearm and relock the doors 30 seconds later unless a door is opened during this time. This

prevents accidental disarming. During this 30-second period, the LED flashes quickly.

- ❑ Alarm set for passive arming  
The system will automatically rearm itself 30 seconds later. If a door is opened, the system temporarily disarms. Closing the open door will again cause the system to enter the 30-second rearm period.

**NOTE** — If set for Secure Lock™, the doors will lock when the system rearms. Otherwise, the doors do not automatically relock.

## EMERGENCY DISARM

If you lose your transmitter, you can disarm your alarm with the ignition key and the "VEL" switch. While your alarm is either armed or triggered, turn the ignition switch ON. Within 15 seconds, press and release the VEL switch three times. The siren and the flashing lights stop if the alarm was triggered, and then chirp and flash two times. (Ask your dealer where the VEL button is hidden.)

**NOTE** — If you use emergency disarm, just turn the ignition OFF and close the doors when you leave your car, and the alarm arms automatically. Next time you open a door, you will have 10 seconds of quiet to turn the ignition switch ON and press the VEL button three times to disarm the alarm. This feature is cancelled next time you use your transmitter to arm or disarm your alarm.

## VALET

Sometimes you may not wish your alarm to arm when you leave your vehicle. (For instance, if you leave your car with a valet attendant, you may not want to teach him how the alarm operates.) If your alarm is set for active (manual) arming, this is easy — don't press the **I** button, and the alarm will not arm. However, if your alarm is set to arm passively, use the valet mode to prevent it from arming.

To enter valet, first disarm the alarm and turn the ignition ON. Within 15 seconds, press and release the VEL switch three times. The alarm is now in the valet mode. The siren

chirps and the parking lights flash once to confirm.

To exit valet, just turn the ignition ON and, within 15 seconds, press and release the VEL switch three times. The siren chirps twice and the parking lights flash twice to confirm that valet is exited and the alarm is now disarmed.

If you press the **I** or **II** while the alarm is in valet, the doors will lock or unlock, and the parking lights will flash four times. The alarm's emergency call for help and 2nd channel output operate normally.

## PATENTED STAY-SAFE DISARM

Any time your alarm is triggered (the siren is sounding and the parking lights are flashing), press the **I** button of the remote once to shut

the siren and flashing parking lights OFF while the alarm stays completely armed.

## DUAL-STAGE SHOCK SENSOR

Your alarm includes a patented dual-stage shock sensor.

The first stage (pre-intrusion alert) warns thieves the alarm is armed. For instance, the alarm will chirp three times and the parking lights will flash three times if the sensor detects a light bump to the vehicle. However, if a thief attacks the car with sufficient force, the alarm

will trigger. (Your dealer can make the shock sensor more or less sensitive to attack, depending on your vehicle.)

**NOTE** — The shock sensor (and other add-on sensors, and current sensing) will not trigger the alarm until 4 seconds after the alarm is armed.