

OWNER'S MANUAL

ENFORCER[®]

SLI 820R • SLI 820R-4

SLI 820RTC • SLI 820RTC-4

SLI 820RTF • SLI 820RTF-4

(315 MHz)

(433.92 MHz)

Factory Keyless Entry
Alarm Adapter Security System

SLI[®]

SECO-LARM[®] U.S.A., INC.

16842 Millikan Avenue
Irvine, California 92606

FILE: MOI820R.pmd/OCT2002
ORDER PART# 760-923-1/92C



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 30 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 is a complete security and convenience system. It is 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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MODEL NO. REFERENCE:

- SLI 820R & SLI 820R-4 — Excludes RF transmitter (optional).
- SLI 820RTF & SLI 820RTF-4 — Includes 2 RF fixed code transmitters.
- SLI 820RTC & SLI 820RTC-4 — Includes 2 RF code hopping transmitters.

NOTE: Model no. without -4 represents alarm units using 315 MHz frequency and model no. with -4 represents alarm units using 433.92 MHz frequency.

ARMING (with factory remotes)

To arm the alarm, lock the doors by using the factory remote or by pressing the lock switch on the door panel. However, to suit user style and preference, the SLI 820R/-4 offers a choice of arming styles. Tell your dealer which is best for you:

Active Arming

Turn your ignition OFF and close all the doors. Then arm the alarm by locking all the doors with the factory remote. If the siren chirps and parking lights flash once, the alarm is fully armed.

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 4). Also, check to make sure your car's domelight switch was not left in the ON position.

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 lock button to immediately arm the alarm and bypass whatever zone is open (see ZONE BYPASS, page 4).

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

ARMED

When the 30-second arming countdown ends, or when the factory remote lock button is pressed, the siren chirps and parking lights flash once, and

the LED starts flashing to show the alarm is armed.



ZONE BYPASS

When you lock all doors 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 9.

TOTAL PROTECTION

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

- Potential thieves or vandals should be deterred by the flashing LED.
- If anyone opens a door, hood or trunk, the alarm will immediately sound the siren and flash the parking lights for up to three 30-second cycles, after which the alarm will rearm, bypassing any open doors, hood or trunk.
- Turning the ignition key ON will trigger the alarm for 30 seconds.
- The starter disable prevents the engine from being started.
- If the shock sensor detects light taps on the car, it will trigger the pre-intrusion alert (the siren chirps three times and the parking lights flash three times) to warn potential thieves and vandals. However, if the shock sensor detects a strong shock to the car, it will trigger the alarm for 30 seconds. (See DUAL-STAGE SHOCK SENSOR, page 6.)
- Optional SECO-LARM shock, motion, glass-break, and microwave sensors will offer your alarm additional protection. Consult your SECO-LARM dealer.

DISARMING (with factory remotes)

To disarm the alarm, use the factory remote to unlock the doors. The siren chirps twice and the parking lights flash twice. What happens next depends on how your alarm is set:

- ❑ **Alarm set for active arming (SecureLock™ OFF)**
The alarm is now completely disarmed.
- ❑ **Alarm set for active arming (SecureLock™ 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. However, if the door, hood or trunk is open during the 30-second re-arming countdown, then the system is permanently disarmed.

- ❑ **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-sec. rearm period. However, turning the ignition ON during the rearm period permanently disarms the alarm.

NOTE — **Secure Lock**, if enabled, will lock the doors when the system arms. Otherwise, the doors do not automatically lock.

NOTE — Typically, when the alarm enters into 30-second re-arming countdown, the LED will flash rapidly. However, if the alarm was triggered prior to the 30-second re-arming countdown, the rapid flashing will be replaced by the tamper indicator LED flashing during the arming countdown (see page 6).

SMART DISARMING (for factory remotes only)

When using the factory remote lock button or by pressing the lock button on the door panel to enter armed mode, the alarm has a special function in which allows you to automatically disarm the alarm within the first 60 seconds by turning ON the ignition key.

This is a very useful feature. When you first enter into your car, you generally would lock your doors

for safety. You can do this by either pressing either the lock button on the factory remote or the lock switch on the door panel. Once the doors are locked, the alarm will be in the armed mode. However, you can automatically disarm the alarm by turning the ignition ON within the first 60 seconds only. If you do not turn the ignition ON, the alarm will remain armed.

EMERGENCY DISARM

If you lose your transmitter, you can disarm your alarm with the ignition key and the “VEPLe” switch. While your alarm is either armed or triggered, turn the ignition switch ON. Within 15 seconds, press and release the VEPLe switch 3 times. The siren and the flashing lights stop if the alarm was



triggered, and then chirp and flash three times. The alarm is now in the valet mode (see VALET on page 6). (Ask your dealer where the switch is hidden.)

DOMELIGHT SUPERVISION

With this optional feature, whenever you disarm the alarm, your car’s domelights turn ON for 30 seconds. This helps find your car at night and make sure no one is hiding in it. If the alarm is

triggered, your car’s domelights will continuously flash. If ignition controlled domelight is enabled, turning OFF the ignition will turn on the domelight for 30 seconds.

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.

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 Lock 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 VEPLe button three times. The alarm is now in the valet mode. The siren chirps and the parking lights flash once to confirm. (Your

alarm also goes into valet when you use emergency disarm. See EMERGENCY DISARM on page 5).

To exit valet, just turn the ignition ON and, within 15 seconds, press and release the VEPLe button 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 Lock or Unlock button 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 (ENFORCER remote only).

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 — When using the factory remote, the shock sensor (and other add-on sensors), and current sensing will not trigger the alarm until 60 seconds after the alarm is armed.

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

Ask your dealer about the shock sensor.

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 on the ENFORCER remote.

- 3 flashes — 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 — The current sensing was triggered.

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



NOTE: The following information regarding RF transmitter functions applies only if ENFORCER remotes are used.

TRANSMITTER FUNCTIONS (with ENFORCER remotes)


1. Press the  button to:
 - Arm the alarm.
 - Lock power door locks.
 - Reset the alarm.
 - Bypass an open zone.
2. Press the  button to:
 - Disarm the alarm.
 - Unlock power door locks.
3. Press the  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  button to:
 - Turn the siren ON in an emergency.



ARMING (with ENFORCER remotes)

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  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 4). 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

Passive arming works the same as if the car's factory remotes are used (see page 3).







EMERGENCY CALL FOR HELP (PANIC) (with ENFORCER remotes)

To trigger the alarm in an emergency, press the  button for 2 seconds. The siren sounds and the parking lights flash for about 30 seconds.

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



Note:

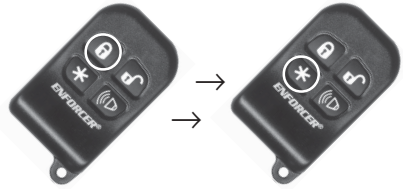
1. Alarm will be in the armed mode if the  button is used to exit the panic mode.


2. Alarm will be in the disarmed mode if the  button is used to exit panic mode.
3. Alarm will be in the disarmed mode and channel 2 output will be activated if the  button is used to exit panic mode
4. Alarm will return to its prior panic mode if the  button is used to exit panic mode.

SENSOR BYPASS (with ENFORCER remotes)

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  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  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



 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 9.

DISARMING (with ENFORCER remotes)

To disarm the alarm, press the  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.



PATENTED STAY-SAFE DISARM™ (only with ENFORCER remotes)

Any time your alarm is triggered (the siren is sounding and the parking lights are flashing), press the **f** button of the ENFORCER remote once to shut the siren and flashing parking lights OFF while the alarm stays completely armed.

NOTE — This feature is only applicable for the ENFORCER remotes.

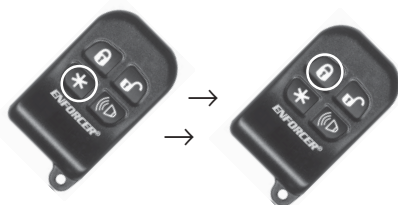
CHIRP DELETE (silent arm/disarm) (with ENFORCER remotes)

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 * button any time before you need the chirps deleted. For instance, press the * button before you press the **f** 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



2nd CHANNEL OUTPUT (with ENFORCER remotes)

Your ENFORCER transmitters have an extra channel to control optional accessories.


2nd channel is commonly used to "pop" the trunk. To use, press the * 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.)




Appendix 1 — UNDERSTANDING THE SIREN CHIRPS AND LIGHT FLASHES


A. 1 chirp/flash:

- When the factory lock button or the ENFORCER transmitter  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/ashes:

- When the factory unlock button or the ENFORCER transmitter  button is pressed, the alarm is disarmed.
- Successfully exited the valet mode.



C. 3 chirps/ashes:

- When pressing the factory lock button or the ENFORCER transmitter  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, see ZONE BYPASS on page 4).


NOTE: If the delayed domelights are ON when the arm button is pressed, the siren will chirp 3 times. This gives the impression that the door is open when it may really be closed. To eliminate these extra chirps and flashes, ask your dealer about programming the door error indicator "OFF". However, note that in this case, the siren will chirp only once if a door is open when you manually arm the alarm.

- When pressing the ENFORCER transmitter  button followed by the * button, indicates sensor is bypassed (see SENSOR BYPASS on page 8).
- 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 factory lock/unlock button or the ENFORCER transmitter  or  button is pressed during the valet mode.

E. 2 Chirps/ 7 flashes:

- When pressing the factory unlock button or the ENFORCER transmitter  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.)

Appendix 2 — UNDERSTANDING THE LED FLASHES

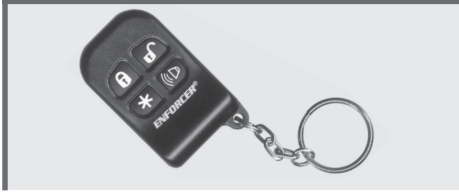
- A. Arming indicator — Flashes quickly during the 30-second rearm to show passive arming countdown.
- B. Door open indicator — OFF when a hardwired door is opened during the 30-second rearm or passive arming countdown.
- C. Armed indicator — Flashes when the alarm is armed.
- D. Disarmed indicator — 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 ENFORCER transmitter button is pressed.
- G. Valet mode indicator — Flashes slowly to indicate system is in valet 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 — Permanently enables or disables the siren's chirps.
- Passive/active arming — In passive arming, the alarm arms itself when you turn the ignition OFF and close the last open door. In active arming, press the factory transmitter lock button or ENFORCER transmitter  button to arm the alarm.
- SecureLock™ lock — If this feature is enabled, in the passive arming mode, when the alarm automatically rearms, the doors will lock automatically. In the active arming mode, if a door or trunk is not opened within 30 seconds of disarming, the alarm automatically re-arms and the doors automatically re-lock.
- Current sensing — Current sensing with switch sensing, or switch sensing only.
- 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.
- Horn or siren warning — Choose whether the alarm will honk your car's horns or sound a super-loud siren.
- Ignition domelight — If this feature is enabled, whenever you disarm the alarm, your car's domelights turn ON for 30 seconds.
- Pulse or continuous horn output — This chooses how the car horn sounds when the alarm is triggered.
- Door error indicator ON/OFF- Under active arming, if ON, when the transmitter button is pressed to arm the alarm the siren chirps three times and lights flashes three times if a door is open or the delayed domelights are ON to show the alarm has armed anyway. If OFF, the siren chirps once and lights flash once when the transmitter button is pressed to arm the alarm. In this case, you may not be able to tell if the doors are closed properly.
- Comfort mode — If enabled, the door lock timing is extended to 25 seconds. This allows the sunroof to close properly in some cars.

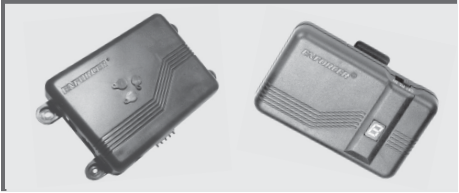
Don't forget the **ACCESSORIES!**



SK-917T4J / SK-937TS4J (SLI 820RTC/SLI 820RTC-4)
SK-919T4J / SK-939TS4J (SLI 820RTF/SLI 820RTF-4)
For additional ENFORCER remotes — Available in 315 MHz & 433.92 MHz frequencies. Adds convenience and features such as 2nd channel, silent arm/disarm, and remote panic. Get one for everyone who drives your car.



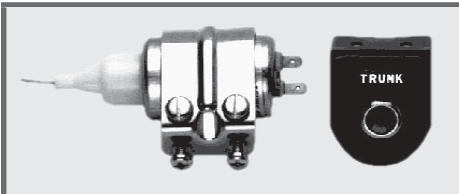
SK-91ERSD/SK-93ERSD Extended range antenna — Use with ENFORCER remotes to extend remote range to up to 1,600 feet.



SECOPAGE® 35E Vehicle security pager pages you if your car is broken into.



SS-051ME Dual-stage glass-break sensor — Detects the high-frequency sound of glass breaking.



SR-5911 Power trunk release — Adds convenience to cars without power trunk release.



SR-5220A or SR-5440A Window roll-up modules for 2-door or 4-door cars.



SLI® 259A Dual-stage microwave sensor — Detects movement inside car, protects open-top vehicles.

Make your alarm YOUR alarm!

Your dealer has a wide variety of other accessories which can increase your alarm's security and convenience. Ask for more information. And insist on **GENUINE** SECO-LARM accessories!