

OWNERS MANUAL



AMPROTM 350

SLI® _____

SECO-LARM U.S.A., Inc.
Irvine, CA, 92614, U.S.A.

AMPRO™ 350 Owner's Manual

CONGRATULATIONS

From the moment you purchased this **AMPRO** Vehicle Security System, you became a part of the SECO-LARM family. You started taking advantage of over 27 years of advanced security 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 **AMPRO** 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 **AMPRO** 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 **AMPRO** does its job for you. Welcome to the family: SECO-LARM, your dealer, and you!

IMPORTANT

This **AMPRO** 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.

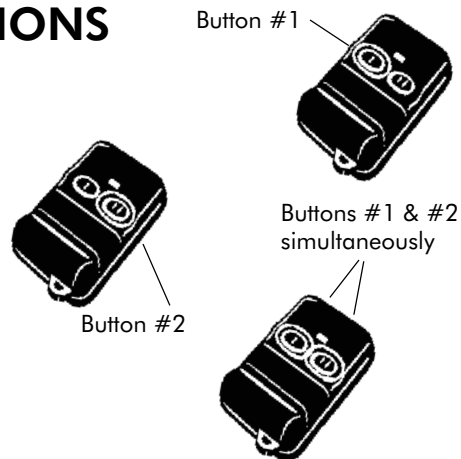
This device complies with FCC Rules Part 15. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received, including interference that may cause undesired operation.

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TRANSMITTER FUNCTIONS

1. Press transmitter button #1 to:
 - Arm and disarm the alarm.
 - Turn the siren ON (and shut it OFF) in an emergency.
 - Lock/unlock power door locks.
 - Bypass an open zone.
2. Press transmitter button #2 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.
3. Press transmitter buttons #1 and #2 simultaneously to:
 - Operate channel 3 (such as window roll-up or remote engine starting).



These features and functions are explained in this Owner's Manual.

ARMING

There are three 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 transmitter button #1. 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 5).

☐ **Passive arming Switch sensing only**

Turn the 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 the 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 button #1 to immediately arm the alarm and bypass whatever zone is open (see ZONE BYPASS, page 5).

☐ **Passive arming Switch/current sensing**

Turn your ignition OFF. The siren chirps and the parking lights flash once, and the LED begins to flash quickly to show the alarm is in the 30-second arming countdown. 30 seconds later, the siren chirps and parking lights flash once more to confirm the alarm is completely armed.

If you leave a door open during the arming countdown, the siren chirps three and the parking lights flash three times at the end of the arming countdown to indicate the alarm has armed. The opened door is ignored until it is closed (no chirps or flashes) and the alarm has fully armed. However, closing it may trigger the shock sensor if the alarm has already armed (see ZONE BYPASS, page 5).

NOTE — Under passive arming, regardless of how the alarm is programmed, you can force your alarm to arm immediately any time during the 30-second arming countdown by pressing transmitter button #1.

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

ZONE BYPASS

When you press button #1 to arm the alarm, and the alarm responds with three chirps and three light flashes, there are two possibilities:

- A. Delayed domelights — If your domelights do not immediately turn OFF when you close your car door (in other words, your vehicle has delayed domelights), this is normal. The alarm should protect all the openings once the domelights go OFF.
- B. A zone was bypassed — In other words, the alarm has armed, but a hardwired door is not protected (either because it is

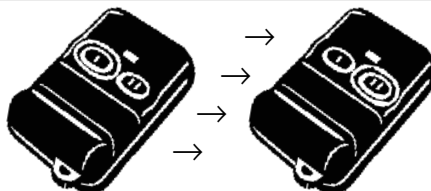
open, or because its pin switch is broken). If the bypassed door is later closed, it will be restored (no siren chirp or light flash).

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 three zone bypass confirm chirps will not sound if chirp delete is engaged. However, the parking lights will still flash three times. See CHIRP DELETE, page 7.

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 button #1 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 button #2. 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 button #1 is pressed. NOTE — The three sensor bypass confirm chirps will not sound if chirp delete is engaged. However, the parking lights will still flash three times. See CHIRP DELETE, page 7.

ARMED

When the 30-second arming countdown ends, or when button #1 is pressed, the siren chirps and parking lights flash once, and the LED

starts flashing to show the alarm is armed.



EMERGENCY CALL FOR HELP (PANIC)

To trigger the alarm in an emergency, press and hold transmitter button #1 for 2 seconds. The siren sounds and the parking lights flash for about 40 seconds. Stop the siren and the parking lights any time by pressing button #1 again.

If the alarm was disarmed when you triggered the emergency call for help, the alarm immediately arms and the doors lock. If the alarm was armed, the opposite will occur.



TOTAL PROTECTION

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

- Potential thieves or vandals will be deterred by the flashing LED.
- If anyone opens a door, the alarm will immediately sound the siren and flash the parking lights for 40 seconds. If the opened door is not closed and current sensing has not been selected, the siren and lights will trigger for up to three 40-second cycles, after which the alarm will rearm, bypassing the open door.
- Turning the ignition key ON will trigger the alarm for 40 seconds.
- The starter disable prevents the car 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 it detects a strong shock to the car, such as shock caused by prying the trunk open, it will trigger the alarm for 40 seconds. (See DUAL-STAGE SHOCK SENSOR, page 8.)
- Optional SECO-LARM shock, motion, glassbreak, and microwave sensors will offer your alarm additional protection. Ask your SECO-LARM dealer.

DISARMING

To disarm the alarm, press button #1. The siren chirps twice, the parking lights flash twice then turn steady ON for 6 seconds (or until you turn the ignition ON), and the LED turns OFF. What happens next depends on how your alarm is set (ask your dealer):



☐ **Alarm set for active arming with permanent disarm**

The alarm is now completely disarmed.

☐ **Alarm set for active arming with automatic rearm, or alarm set for passive arming**

- A. A 30-second automatic rearming period begins.
- B. Turn the ignition ON before the rearming period expires to completely disarm the alarm.

- C. If you do not turn the ignition ON, the alarm automatically rearms in 30 seconds. Once rearmed, the siren chirps and the parking lights flash one time, and the LED starts flashing.

NOTE — Ask your dealer if your doors were hardwired to your alarm. If you open a hardwired door during the 30-second automatic rearming period, the alarm will stop rearming until you close it. When you close it (or when the delayed domelight turns OFF), the siren chirps and parking lights flash once, and the automatic rearm period begins again. 30 seconds later, the siren chirps and parking lights flash once again, and the alarm rearms.

NOTE — The LED flashes quickly from the time transmitter button #1 is pressed to disarm the alarm until the alarm is either completely disarmed or it rearms. The LED turns OFF while a hardwired door is open.

PATENTED STAY-SAFE DISARM™

Any time your alarm is triggered (the siren is sounding and the parking lights are flashing), press transmitter button #1 once to shut the siren and flashing parking lights OFF while the alarm stays completely armed.

NOTE — If a door was open when you pressed transmitter button #1, the siren chirps three times and the parking lights flash three times to confirm it is not protected (see ZONE BYPASS, page 5).

EMERGENCY DISARM

If you lose your transmitter, you can disarm your alarm with the ignition key and "VEPL" switch. While your alarm is either armed or triggered, turn the ignition switch ON. Within 15 seconds, press and release the VEPL

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 valet (see VALET on page 8).



TRUE TRIGGER™

True Trigger stops repeated false triggers from becoming a nuisance. Alarm sensors (except pre-intrusion) which trigger five times while the alarm is armed are automatically bypassed. The rest of the alarm, however, continues to protect the vehicle. All such bypassed sensors automatically reset when the ignition is turned ON, or if 30 minutes pass with no further triggering of any sensors or the pre-intrusion.

However, if any sensor or the pre-intrusion is triggered during the 30-minute countdown, the countdown restarts.

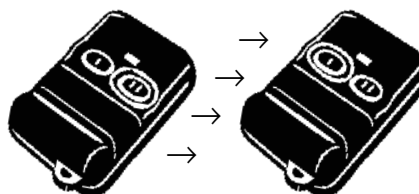
While a sensor is bypassed by True Trigger, if you disarm your alarm, the siren chirps four times and the parking lights flash four times.

(Programmable — ask your dealer.)

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 button #2 any time before you need the chirps deleted. For instance, press button #2 before you press button #1 to arm or disarm the alarm, and the chirps will not sound, but the parking lights will still flash. The chirps are restored the next time you press a 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, it does not affect the flashing parking lights.

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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 button #1, 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 3 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 7).

To exit valet, just turn the ignition ON and, within 15 sec., press and release the VEPLe button 3 times. The siren chirps twice and the parking lights flash twice to confirm valet is exited and that the alarm is now disarmed.

While your alarm is in valet, the LED flashes slowly when the ignition switch is OFF so thieves think the alarm is armed. It does not flash when the ignition switch is ON. The doors lock and unlock with the transmitter. The alarm's emergency call for help and 2nd and 3rd channel outputs operate normally.

TAMPER INDICATORS & TRIGGER ZONE ID

If your alarm was triggered when you were away, the siren will chirp four times and the parking lights flash four times then turn ON for 6 seconds when you disarm your alarm. The LED flashes in quick cycles to show where the car was violated as follows:

- 1 flash — The current sensing circuit was triggered.
- 2 flashes — The alarm was triggered via emergency call for help (panic).

- 3 flashes — An on-board or add-on sensor was triggered.
- 4 flashes — A door was opened.
- 5 flashes — The hood or trunk was opened.



These "memory" flashes automatically stop when the ignition is turned ON.

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 the

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 that the shock sensor will not be ready to trigger the alarm until three seconds after the alarm is armed.

STARTER DISABLE

With this optional feature, while your alarm is armed, your car will not start, even if a thief has your keys.

Your alarm also has Automatic Starter Disable (ASD). If your alarm is set for active arming, and you do not arm your alarm, ASD

automatically engages the starter disable 10 minutes after you disarmed the alarm or turned the ignition switch OFF. The LED stays ON constantly to show ASD is engaged.

Once engaged, you must press transmitter button #1 to disengage ASD before the car will start. (Programmable — ask your dealer.)

2nd & 3rd CHANNEL OUTPUTS

Your transmitter has two extra channels to control optional accessories:

- A. **2nd channel** is commonly used to "pop" the trunk. To use, press transmitter button #2 for 2 seconds, either while the ignition is ON and any door is opened, or while the ignition is OFF. Your dealer can program 2nd channel operation to either completely disarm the alarm or to bypass all the alarm triggers for 10 seconds (bypass is great for popping open the trunk). (Note — If no doors are hardwired to your alarm, 2nd channel will



- B. **3rd channel** is commonly used for remote car starting. Press transmitter buttons #1 and #2 together anytime for as long as needed. Sensors that may be triggered by the activation of the 3rd channel device are bypassed until they are restored to their normal state (the doors, hood, and trunk remain protected, though). In other words, if you remote start your vehicle, the alarm protects it from unauthorized entry.



POWER DOOR LOCKS

With this optional feature, your alarm can automatically lock the doors when armed and unlock the doors when disarmed. The doors lock and unlock any time transmitter button #1 is pressed. For extra security, they lock automatically if the alarm is triggered. (Exception — See EMERGENCY CALL FOR HELP, page 5.)

Your alarm can be programmed for ignition-controlled operation (doors lock when you turn the ignition ON, and unlock when the ignition is turned OFF, but all car doors must be closed). It can also be programmed to lock the doors every time the alarm passively arms (be careful not to leave the keys and transmitters in the car, though!). Ask your dealer.

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 flash together with the flashing parking lights.

2nd CAR OPERATION

With this feature, your transmitters can control alarms in two cars. Operation for both cars is the same, except that the functions of button #1 and button #2 are switched in the second car. However, pressing buttons #1 and #2

simultaneously may operate 3rd channel in both cars at the same time. (Ask your dealer.)



OTHER FEATURES

- **Anti-scan protection** — If your alarm receives 10 wrong RF transmitter signals within 1 second, it will lock out all signals for 5 seconds to help prevent thieves from using scanners to break your alarm's code.
- **Dual Power Protection** — Helps keep your alarm powered even if a thief cuts the alarm's main power line. (Optional — ask your dealer.)

Appendix 1 — UNDERSTANDING THE SIREN CHIRPS AND LIGHT FLASHES

A. 1 chirp/flash:

- When transmitter button #1 is pressed, the alarm is armed.
- When a door is closed, the alarm will arm in 30 sec. (under passive arming).
- 30 sec. after ignition switch is turned OFF and all doors are closed (or delayed dome lights turn OFF), the alarm is armed (passive arming with switch sensing).
- Successfully entered the valet mode.
- When the ignition switch is turned OFF, the alarm will arm 30 sec. later, regardless of whether or not a door is opened (passive arming with current sensing).

B. 2 chirps/flushes:

- When transmitter button #1 is pressed, the alarm is disarmed. (After the two flashes, the parking lights turn steady ON for 6 sec.)
- Successfully exited the valet mode.

C. 3 chirps/flushes:

- Pre-intrusion warns potential thieves or vandals who trigger the first stage of any dual-stage sensor that your car is protected by an alarm.
- When pressing transmitter button #1 to arm the alarm, indicates the alarm arms even though it is not set properly (door not closed, or broken switch, or dome light is still ON, see ZONE BYPASS on page 5).
- When pressing transmitter button #1 then #2, indicates sensor bypassed (see SENSOR BYPASS on page 5).
- Completed emergency disarm.

D. 4 chirps/flushes — When the alarm is disarmed, indicates the alarm was triggered while you were away.

NOTE — The chirps for arm, disarm, pre-intrusion, zone bypass, sensor bypass, emergency disarm, valet, and tamper can be deleted (see CHIRP DELETE, page 7).

Appendix 2 — UNDERSTANDING THE LED FLASHES

- A. **Arming indicator** — Flashes quickly during the 30-second rearm or 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 alarm disarmed to indicate which zone triggered.
- F. **RF reception indicator** — ON while transmitter button is pressed.
- G. **Valet mode indicator** — Flashes slowly if the ignition switch is turned OFF (no flash if ignition is ON).
- H. **Automatic Starter Disable (ASD) engaged** — Steady ON, starting 10 minutes after ignition switch turned OFF.

Appendix 3 — PROGRAMMABLE FEATURES

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

- **Passive/active arming** — In passive arming, the alarm arms itself when you turn the ignition OFF or close the last open door. In active arming, press transmitter button #1 to arm the alarm.
- **Permanent chirp delete** — Permanently enables or disables the siren's chirps.
- **Normal chirp or Quiet Chirp™** — Makes the siren's chirps quieter. (However, the siren is always loud if the alarm is triggered or for pre-intrusion.)
- **Manual/auto door locks in passive arming mode** — If your alarm is set for passive arming, it can be set to lock the doors automatically when it arms (don't forget to take your keys!) if you wish.
- **Ignition-controlled door locks** — The doors can be set to automatically lock/unlock when ignition is turned ON/OFF.
- **Siren and/or horn output** — Instead of, or in addition to, a siren, ask your dealer to connect the alarm to honk your car's horn. In this case, the horn functions similarly to the siren. (However, there is no Quiet Chirp™ option for car horns.)
- **Permanent disarm or auto rearm in active mode** — If your alarm is set for active arming, choose whether it will completely disarm when you press transmitter button #1, or rearm automatically if you do not turn the ignition ON within a certain time.
- **Sensor bypass or alarm disarm for 2nd channel** — For 2nd channel operation, do you want the alarm to temporarily bypass the sensors, or completely disarm? Your dealer will explain the difference.
- **True Trigger™** — Enable True Trigger, which bypasses a sensor that repeatedly trips to help stop false alarms.
- **Automatic Starter Disable (ASD)** — Enables ASD, which disables the starter 10 minutes after you turn the ignition OFF, even if the alarm is not armed!

Don't forget the ACCESSORIES!



SK-919TD2A

Spare RF transmitter Get one for everyone who drives your car



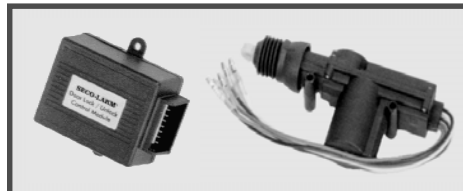
SECOPAGE® 35E

Vehicle security pager pages you if your car is broken into



SR-5220 or SR-5440N

Window roll up modules for 2 door or 4 door cars



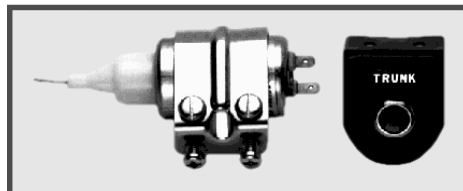
SR-5202 or SR-5204

Complete 2 and 4 door lock kits for cars without power door locks



SS-051ME

Dual stage glassbreak sensor Detects the high frequency sound of glass breaking



SR-5911

Power trunk release Adds convenience to cars without power trunk release



SLI® 259

Dual stage microwave sensor Detects movement inside car, protects open top vehicles

NOTE — The accessories on this page are optional.

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!