

Wiring Information

Yellow ~ Main Battery Connection (+) Fuse ~ 5 Amp MAX

Connect to a constant 12-volt source. Alpine recommends this wire to be connected directly to the battery. Do not share this power lead with any other components or accessories. Use a 5-amp fuse in-line at the battery lead to protect against short circuit.

Red ~ Ignition (+)

Connect to a 12-volt ignition source. When selecting the N/O starter interrupt, it is necessary to find a "true" ignition source for the Red wire. When selecting the N/C starter interrupt, you may use an accessory lead.

Black ~ Chassis Ground (-)

Connect directly to a metal surface that has been cleaned from any paint or coating. This wire should be as short as possible and should not be connected directly to the battery.

Blue ~ Siren (+) 1.5 Amp

Connect to the Blue wire of the siren. Connect the Black wire of the siren to chassis ground. If more than one siren will be used, use a relay to drive all of the sirens.

Orange ~ Starter Interrupt Output (+) 200mA

Connect the Orange wire of the security system to the Orange wire of the supplied relay. Connect the Black wire of the starter interrupt relay to chassis ground. The starter interrupt can be configured as a normally open (N/O) or normally closed (N/C) circuit.

NORMALLY CLOSED STARTER INTERRUPT—Normally Closed is the factory default setting. This configuration will assure that the vehicle will always start as long as the security system is disarmed, even in the event of a security system malfunction or component failure.

NORMALLY OPEN STARTER INTERRUPT—This configuration adds more security for the customer by not allowing the vehicle to start even if a would-be thief finds and removes the main unit or main power connection. Open the Main Unit. Locate the jumper labeled JP1. This is the only jumper selection inside of the main unit. Jumper JP1 will select either normally open or normally closed starter kill relay operation. The factory default is normally closed, or in the "OFF" position. To select normally open starter disable, place jumper JP1 to the "ON" position. When using this feature, it is important that the Red (ignition) wire be connected to a "true" ignition source—12 volts through the "On" and "Start" cycles. This feature must be enabled. See the Jumper Selection section for more details.

Yellow/Red ~ Extension LED Output (+) 20mA

Connect to the Yellow/Red of the extension LED. Connect the Black wire of the extension LED to chassis ground. Up to 4 additional LEDs can be added in series with the original LED. Do Not Parallel LEDs. The correct mounting hole size is 15/64".

Red/White ~ Valet/Disarm Switch Input (-)

Connect the Red/White wire to the Red/White wire of the Valet/Disarm switch. Connect the Black wire of the Valet/Disarm switch to chassis ground.

Brown/White ~ Door Switch Input (+ or -)

Determine the vehicle's door pin polarity. Refer to the Programming section if positive door input is required. Connect the Brown/White wire to the vehicle's door pin wire.

Green/White ~ Hood /Trunk Wire (-)

Connect the Green/White wire to the vehicle's hood pin and/or trunk pin wire. If both hood and trunk pin are connected to this input, you must diode isolate each wire.

Yellow/Green ~ EXT-1 Output {(-) 1-Second or Latched} 200mA

Connect the Yellow/Green wire to control an optional accessory when the EXT-1/Valet button is pressed and released. Some examples might include devices such as a remote starter or window roll-up modules. Refer to the accessory's owner's manual for installation instructions.

Yellow/Black ~ EXT-2 Output {(-) 1-Second or Latched} 200mA

Connect the Yellow/Black wire to control an optional accessory when the EXT-2/EXT-3 button is pressed and released. Some examples might include devices such as window roll-up modules or a trunk actuator. Refer to the accessory's owner's manual for installation instructions.

Yellow/Brown ~ EXT-3 Output {(-) Continuous or 1-Second} 200mA

Connect the Yellow/Brown wire to control an optional accessory when the EXT-2/EXT-3 button is pressed and held for more than 2 seconds. Some examples might include devices such as a trunk actuator or a garage door opener. Refer to the accessory's owner's manual for installation instructions.

Blue/White ~ Arming Output (-) 200mA

Connect the Blue/White wire to control an optional accessory that will be controlled when the security system is armed. Some examples might include devices such as window roll-up modules or additional optional sensors. Refer to the accessory's owner's manual for installation instructions.

Blue/Green ~ Digital Pager Data Output

The Blue/Green wire is only for use with the optional SEC-8205 Multi-Channel Digital Paging System. Connect the Blue/Green wire to the Blue/Green wire of the optional SEC-8205 Multi-Channel Digital Paging System. Do not use this wire with a conventional vehicle paging system.

Blue/Yellow ~ Dome Light Surv. Output (+ or -) 10 Amp MAX

NEGATIVE TYPE—Connect the Blue/Yellow wire to pin 85 of a standard Bosch type automotive relay. Connect a fused 12-volt source to pin 86. Connect chassis ground to pin 87. Finally, connect the vehicle's dome light wire to pin 30 of the relay.

POSITIVE TYPE—Connect the Blue/Yellow wire to pin 85 on a standard Bosch type automotive relay. Connect a fused 12-volt source to pin 86 and pin 87. Finally, connect the vehicle's dome light wire to pin 30 of the relay.

Yellow/White & White ~ Parking Light Flash Input (+ or -) 10 Amp MAX

Determine the correct polarity of the parking light circuit for the vehicle. Connect the Yellow/White wire to a constant 12V+ source or to chassis ground, depending upon the vehicle. Connect the White wire to the vehicle's parking light wire.

Black/White ~ Ignition/Impact Disable Input (-)

Connect the Black/White wire to the optional remote starter module's negative output while engaged. (AKA—the sensor inhibit or sensor interrupt wire)

On-Board Door Lock/Unlock Relays (15 Amp MAX)

The SEC-8028 includes two on-board relays for locking and unlocking the door lock system, without the need for external relays. The relays are switched internally when the security system is either armed or disarmed. For wiring diagrams, call Alpine FastFax and order document number 20030.

White/Blue ~ Priority Unlock Output (-) 200mA

If the Priority Unlock feature is selected, the SEC-8028 door unlock wires (White/Green and Green/Blue) should be connected directly to the driver's door unlock motor wires as reverse polarity. This will unlock the driver's door upon disarm. The White/Blue wire should then be connected to the door unlock wire for the type of door lock system that the vehicle requires. The remaining doors will unlock when the TX button is pressed a second time within five seconds after disarm. Some vehicles with factory keyless entry may have the necessary wiring available at the keyless entry module. This feature must be enabled. See the Feature Programming section for more details. Additional relays may be required for this feature. For wiring diagrams, call Alpine FastFax and order document number 20040. Use only the unlock portion of these diagrams for the White/Blue wire.

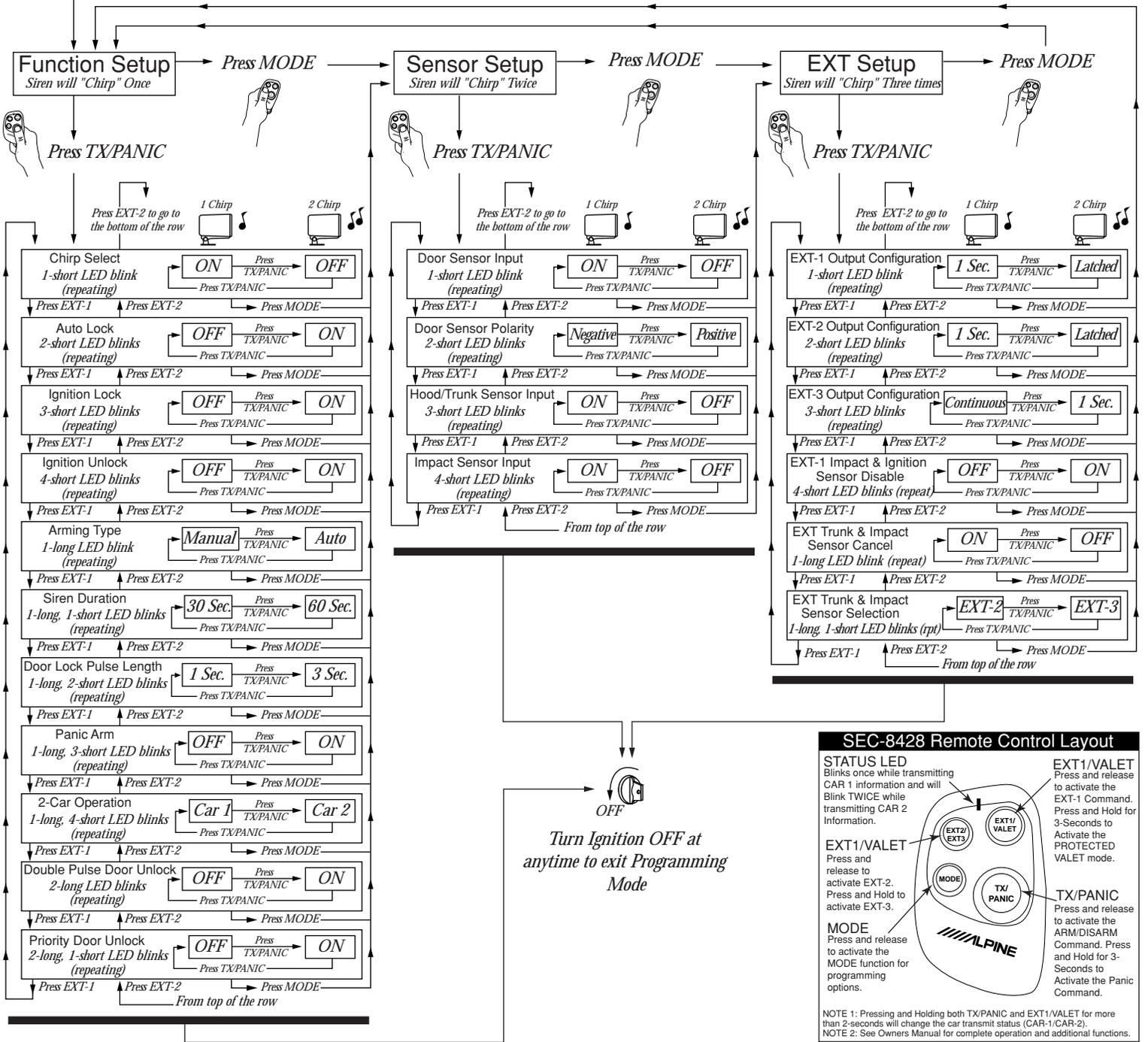
Feature Programming

Disarmed & not in VALET Mode

Turn Ignition On

Hold the Disarm/Valet Switch for 1 Second then Press MODE on the Remote Control within 1 Second

1 LED will Blink for One Second then Siren will Chirp Once



Turn Ignition OFF at anytime to exit Programming Mode

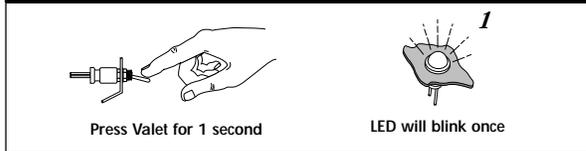
SEC-8428 Remote Control Layout

- STATUS LED:** Blinks once while transmitting CAR 1 information and will Blink TWICE while transmitting CAR 2 Information.
- EXT1/VALET:** Press and release to activate the EXT-1 Command. Press and Hold for 3-Seconds to Activate the PROTECTED VALET mode.
- EXT2/EXT3:** Press and release to activate EXT-2. Press and Hold to activate EXT-3.
- MODE:** Press and release to activate the MODE function for programming options.
- TX/PANIC:** Press and release to activate the ARM/DISARM Command. Press and Hold for 3-Seconds to Activate the Panic Command.

NOTE 1: Pressing and Holding both TX/PANIC and EXT1/VALET for more than 2-seconds will change the car transmit status (CAR-1/CAR-2).
 NOTE 2: See Owners Manual for complete operation and additional functions.

Impact Sensor Adjustment

ENTER VALET MODE



The system must be disarmed. Place the system into the Valet mode through the Valet/Disarm switch. The status LED will illuminate for one second.

ENTER PROGRAMMING MODE



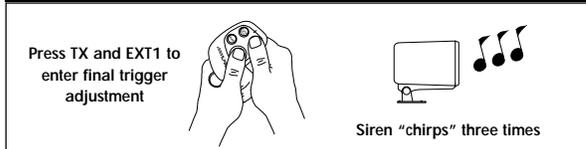
Within five seconds, press and immediately release (DO NOT HOLD) the TX/Panic and EXT-1/Valet buttons simultaneously. The status LED will illuminate once again. The system is now in the Impact Sensor Sensitivity Adjustment mode for the pre-warn field.

ADJUST PRE-WARN SETTING



Press and release the TX/Panic button to increase the pre-warn sensitivity. Press and release the EXT-1/Valet button to decrease the pre-warn sensitivity. Each time the sensitivity is adjusted, the siren will chirp once. When the maximum or minimum sensitivity is reached, the siren will chirp twice. To test the pre-warn sensitivity level, strike the vehicle with a light impact. The status LED will blink once to indicate that the pre-warn sensitivity level has been exceeded.

ADVANCE TO FINAL-TRIGGER SETTING



When the pre-warn sensitivity level is acceptable, press and release the TX/Panic and EXT-1/Valet buttons simultaneously to adjust the final trigger sensitivity level. The siren will "chirp" three (3) times to indicate that you are in the final trigger sensitivity adjustment mode.

ADJUST FINAL TRIGGER SETTING



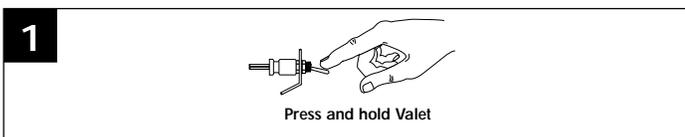
Press and release the TX/Panic button to increase the final-trigger sensitivity. Press and release the EXT-1/Valet button to decrease the final-trigger sensitivity. Each time the sensitivity is adjusted, the siren will chirp once. When the maximum or minimum sensitivity is reached, the siren will chirp twice. To test the sensitivity level, strike the vehicle with enough impact in which you feel should trigger the system into an alarming state. The LED will blink three times indicating that the final-trigger sensitivity level is exceeded.

EXIT PROGRAMMING

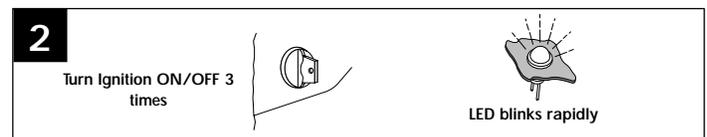


When the sensitivity adjustment procedure is completed, press and release the TX/Panic and the EXT-1/Valet buttons simultaneously. The status LED will blink twice and you will exit the adjustment mode. The system has now returned to the disarmed state.

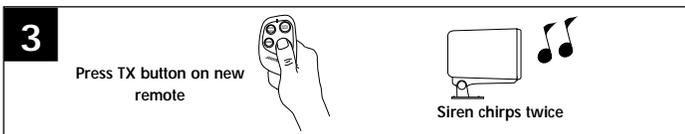
Remote Control Programming



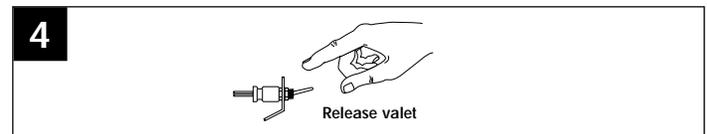
1. The system must be disarmed. Press and hold the Valet/Disarm switch in the ON position during the entire coding procedure.



2. While holding the Valet/Disarm switch in the ON position, switch ignition on and off three times. The LED will blink rapidly.



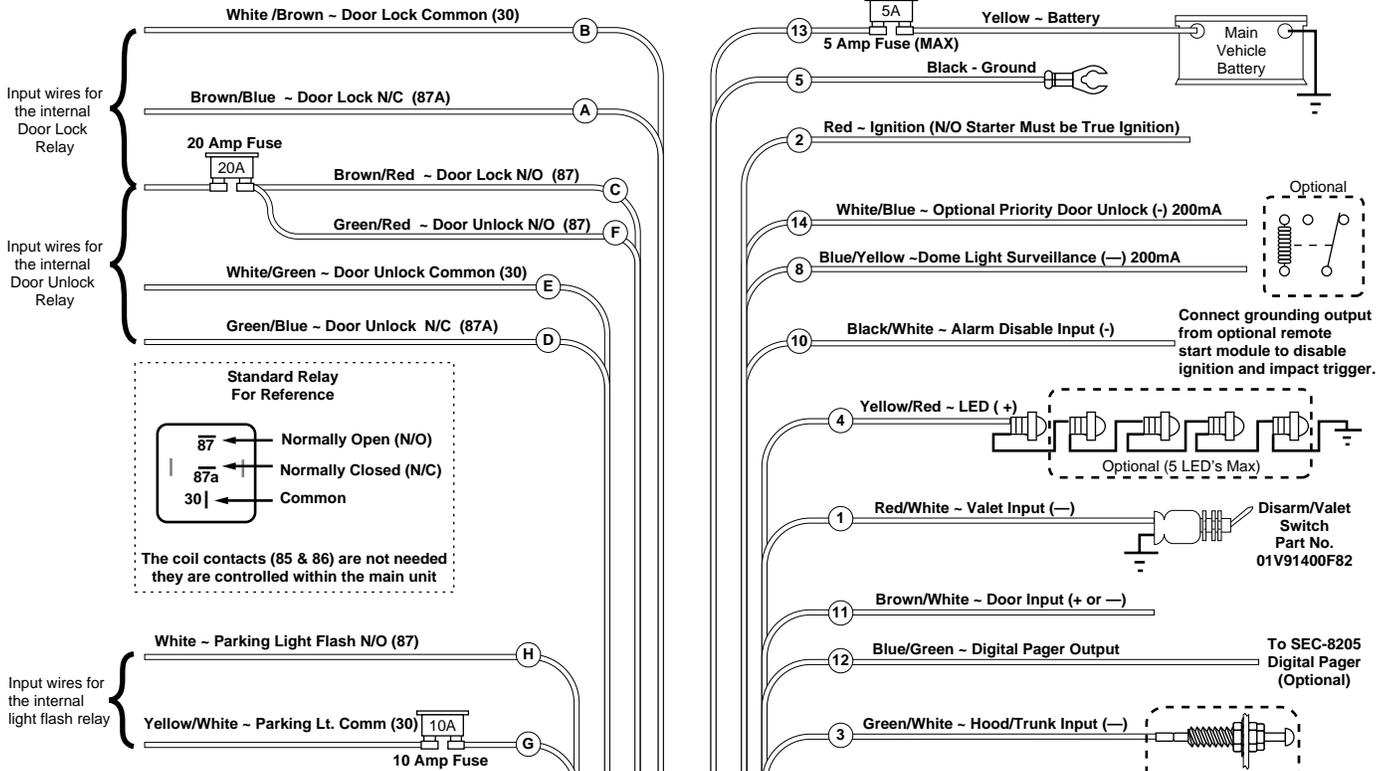
3. Press the TX/PANIC button on the remote control that you wish to program. The siren will chirp twice to verify receiving the new remote control code.



4. Release the Valet/Disarm switch.

NOTE - The SEC-8028 can learn up to four remote control identification codes. When a new remote is coded, the security system will "bump-out" the oldest code if the system originally contained four remote control identification codes.

SEC-8028 Wiring Diagram



Feature Programming Chart				
Mode	Feature	LED Will Blink...	Siren will Chirp Once Indicating...	Siren will Chirp Twice Indicating...
Function Setup	Chirp Select	1 Short	On	Off
	Auto Lock	2 Short	Off	On
	Ignition Lock	3 Short	Off	On
	Ignition Unlock	4 Short	Off	On
	Arming Type	1 Long	Manual	Auto
	Siren Duration	1 Long 1 Short	30 Seconds	60 Seconds
	Door Lock Pulse Length	1 Long 2 Short	1 Second	3 Second
	Panic Arm	1 Long 3 Short	Off	On
	2-Car Operation	1 Long 4 Short	Off	Car #1
	Double Pulse Door Unlock	2 Long	Off	On
Priority Door Unlock	2 Long 1 Short	Off	On	
Sensor Setup	Door Sensor Input	1 Short	On	Off
	Door Sensor Polarity	2 Short	Negative	Positive
	Hood/Trunk Sensor Input	3 Short	On	Off
	Impact Sensor Input	4 Short	On	Off
EXT Setup	EXT-1 Output Configuration	1 Short	1 Second	Latched
	EXT-2 Output Configuration	2 Short	1 Second	Latched
	EXT-3 Output Configuration	3 Short	Continuous	1 Second
	EXT-1 Impact/IGN Disable	4 Short	Off	Off
	EXT Trunk/Impact Cancel	1 Long	On	Off
	EXT Trunk/Impact Select	1 Long 1 Short	EXT-2	EXT-3

