KE 680

DELUXE 4-CHANNEL
KEYLESS ENTRY SYSTEM

Installation And Operation Manual
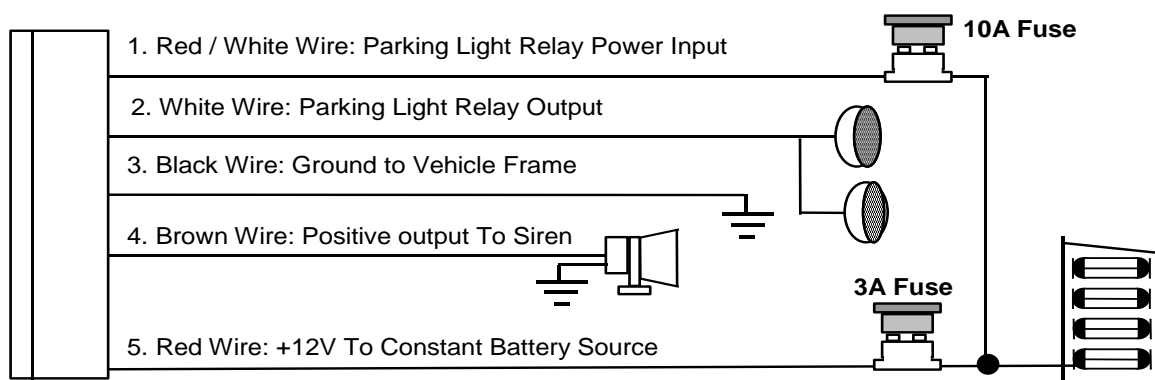

MEGATRONIX
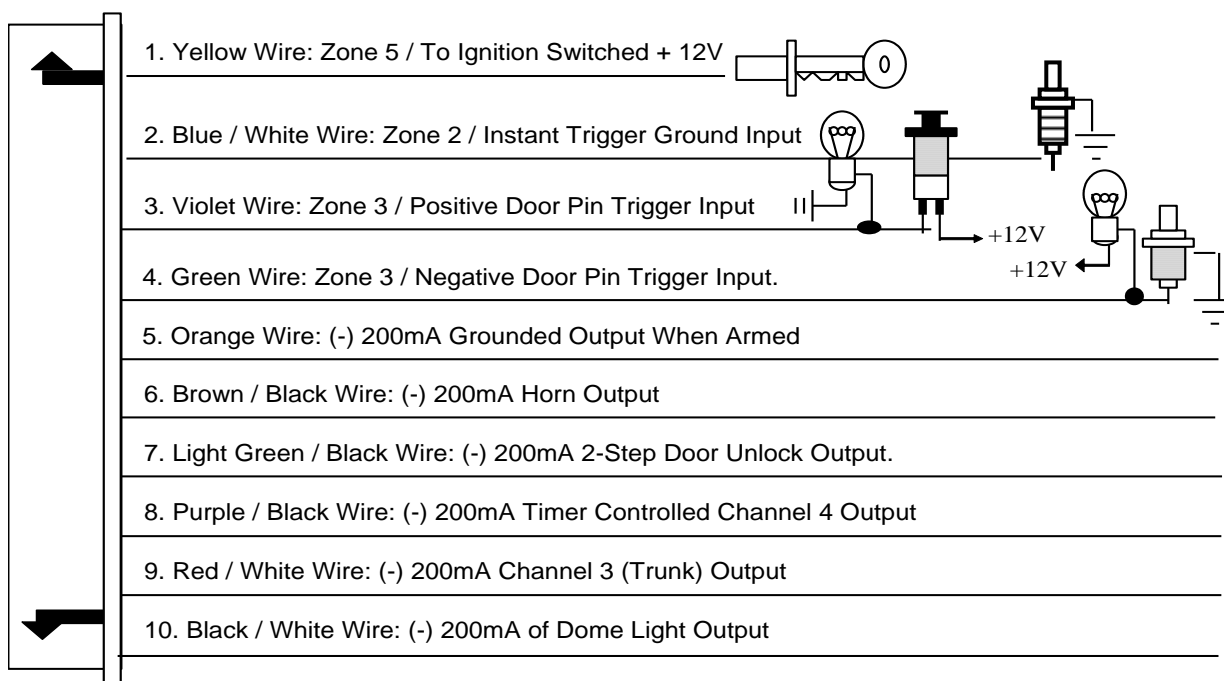CALIFORNIA, U.S.A.

H8: 10 Pin White Mini Connector

H8 10 Pin White

H1 5 Pin White

H1: Main 5 Pin White Harness

Two Way Transceiver Antenna

H7 4 Pin Black

H2 3 Pin Brown

H3 2 Pin Blue

Valet Switch

H6 4 Pin Orange

H5 2 Pin White

H4 6 Pin White

H4: 6 Pin Door Lock / Unlock Wire Harness

LED Indicator

H1: MAIN 5 PIN WIRE HARNESS:

10A Fuse

1. Red / White Wire: Parking Light Relay Power Input

2. White Wire: Parking Light Relay Output

3. Black Wire: Ground to Vehicle Frame

4. Brown Wire: Positive output To Siren

3A Fuse

5. Red Wire: +12V To Constant Battery Source

H8: 10 PIN MINI CONNECTOR WIRE HARNESS:

1. Yellow Wire: Zone 5 / To Ignition Switched + 12V

2. Blue / White Wire: Zone 2 / Instant Trigger Ground Input

3. Violet Wire: Zone 3 / Positive Door Pin Trigger Input

+12V

4. Green Wire: Zone 3 / Negative Door Pin Trigger Input.

+12V

5. Orange Wire: (-) 200mA Grounded Output When Armed

6. Brown / Black Wire: (-) 200mA Horn Output

7. Light Green / Black Wire: (-) 200mA 2-Step Door Unlock Output.

8. Purple / Black Wire: (-) 200mA Timer Controlled Channel 4 Output

9. Red / White Wire: (-) 200mA Channel 3 (Trunk) Output

10. Black / White Wire: (-) 200mA of Dome Light Output

Keep wiring away from moving engine parts, exhaust pipes, and high-tension cable. Tape wires that pass through holes on firewall to prevent frying electrical and watch for sharp edges that may damage wires and cause short circuit.

CAUTION: Do not connect the wire harness to the control module until all wiring to vehicle is complete.

H1. MAIN 5 PIN WIRE HARNESS

H1/1. Red / White Wire – Parking Light Relay Input –

RED/WHITE wire is input to flashing parking light relay. Connection of RED/WHITE wire will determine output polarity of flashing parking light relay. If vehicle you are working on has +12volt switched parking light, you do not need to connect this wire. This wire already is connected to +12volt. If vehicles parking light is ground switched, cut RED/WHITE wire and connect RED/WHITE wire to chassis ground.

H1/2. White Wire – Parking Light Relay Output (+12 V 10A Output) –

Connect WHITE wire to parking light wire coming from headlight switch. Do not connect WHITE wire to dashboard lighting dimmer switch (Damage to dimmer will result). Limitation of WHITE wire is 10 Amps. Do not exceed this limit or damage to alarm and parking light relay will result.

H1/3. Black Wire – System Ground –

Main ground connection of alarm module. Make connection to solid section of vehicle frame. Do not connect this to any existing ground wires supplied by factory wire loom. Connect to vehicle frame directly.

H1/4. Brown Wire – Siren Drive or Horn Output – (Set Feature **III – 2** Programming)

SIREN DRIVE OUTPUT (Factory default setting)

This is the positive (+) output connection for siren. Current capacity is 2 Amps. Connect to (+) red wire from siren and connect (-) black wire from siren to good chassis ground.

(+) Low Current HORN OUTPUT -- (Set Alarm Feature III – 2 to Horn Output)

This is to use existing vehicle horn as alarm system warning audible device. It is transistorized low current output and should only be connected to low current positive (+) output from vehicle horn switch.

H1/5. Red wire – System Power (+12V Constant) –

Supplies power to the system. Connect this wire to constant +12 volt source.

H7. BLACK 4-PIN CONNECTOR – TWO-WAY TRANSCEIVER/ANTENNA MODULE

Two-way transceiver/antenna mounts on location above belt line (dashboard) of vehicle for best reception. Suggest to mount it on lower left or upper left-hand side of windshield.

Warning! Do not mount in such manner that it obstructs driver's visibility.

Remove protective tape backing. Carefully align two-way transceiver/antenna and apply to windshield. Route black connector wire behind trim and connect to two-way transceiver/antenna. Connect other end to control module. Take special consideration for type of windshield glass, as some newer vehicles utilize metallically shielded or infrared radiation absorbing window glass that will inhibit or restrict RF reception. In these vehicles, route transceiver/antenna module away from metallic shielded window glass as far as possible (There may be area of windshield that does not have this protection).

H8. 10-PIN MINI CONNECTOR WIRE HARNESS

H8/1. Yellow wire – Ignition Switched +12V –

This wire is connected to switched 12 volts source. This wire should receive "12 volts" when ignition key is in "ON" and "START" position. When ignition is turned "OFF", this wire should receive "0" voltage.

H8/2. Blue / White wire – (-) Instant Trigger or Major trigger Input (Zone 2) –

This wire is ground trigger input wire for hood/trunk pin switches.

H8/3. Violet wire – Positive Door Switch Sensing Input –

This wire is positive trigger input wire for positive door pin switch. This wire is connection for "positive" type factory door pins (typical of Ford vehicles). Locate "common wire" for all door pins and make connection of VIOLET wire here.

H8/4. Green wire – Negative Door Switch Sensing Input –

This wire is ground trigger input wire for negative door pin switch. This wire is connection for "grounding" type factory door pins. Locate "common wire" that connects door pin switches. Make connection of GREEN wire here.

H8/5. Orange wire – (-) 200mA Grounded Output When Armed –

This wire will become grounded when alarm is armed. Current capacity of this wire is 200mA. This output can control starter disable, when intrusion is detected and system is triggered. Vehicle is prevented from any unauthorized starting.

a). Find wire from starter solenoid (usually located on starter) and going to ignition switch.

b). When found, connect one probe of voltmeter to ground and connect other end of probe to starter wire. It should receive "12 volts" only when ignition key in "START" position.

c). After locating correct wire, cut it in half, try to start vehicle. Engine should not "crank over".

d). If extended wires are needed, they must be exactly the same gauge as cut wire. Connect cut wire from key switch to RED wire (pin #30) of relay and connect starter wire to WHITE wire (pin #87a) of relay.

e). Connect ORANGE wire from control module to ORANGE wire (pin #86) of relay.

f). Connect ORANGE wire (pin #85) of relay to switched 12 volts source from the ignition switch.

NOTE: If more than one electronic device will be connected to ORANGE wire, it will be necessary to isolate connection of each device control wires with 1N4003 diode.
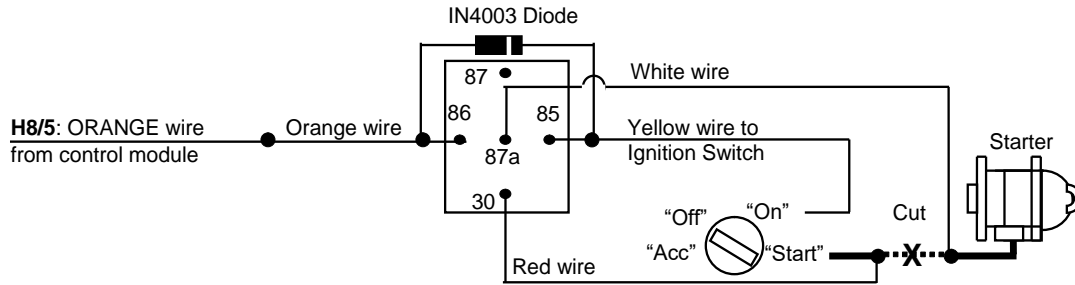
H8/6. Brown / Black wire – (-) 200mA Horn Output –
This wire is provided to use existing vehicle's horn as alarm system optional warning audible device. It is a transistorized low current output and should only be connected to low current ground output from vehicle horn switch. When system is triggered, horn will sound.

H8/7. Light Green / Black wire – (-) 200mA 2-Step Door Unlock Output –
This feature will work for most fully electronic door lock circuits. Vehicle must have electronic door lock switch (not lock knob or key switch), which locks and unlocks all vehicle doors. When wired for this feature, pressing disarm (or unlock) button one time will disarm alarm and unlock driver door only. If you press disarm (or unlock) button two times within 3 seconds, alarm will disarm and all doors will unlock.

H8/8 Purple / Black wire – (-) 200mA Channel 4 Output –
This wire provides built-in user output. This feature allows you to remote control another electric device.

H8/9. Red / White wire – (-) 200mA Channel 3 (Trunk) Output –
This will become 1 second pulse ground by activating channel 3 on transmitter for 2 seconds. Current capacity of this wire is 200mA. This feature allows you to remote control trunk release or another electric device. This output can also be programmed to provide following type of output: 1-second pulse, latched, timer control, and pager (See Alarm Feature **III - 3** Programming).

H8/10.Black / White wire – (-) 200mA Dome Light Control Output –
This wire becomes grounded when dome light control circuit is active. Current capacity of this wire is 200mA. This wire can control operation of interior lights. Optional 10 amp relay is required.
a). Upon disarming, interior lights will remain on for 30 seconds.
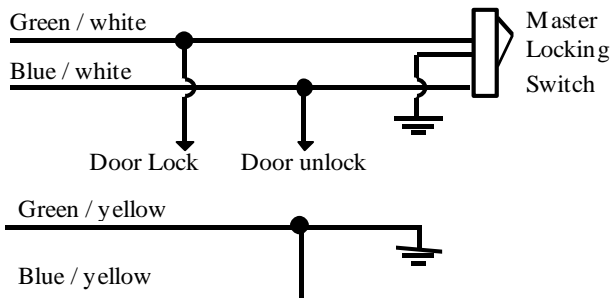b). If vehicle is violated, interior lights will flash for same duration as siren.

H4. 6 PIN DOOR LOCK HARNESS

Blue/Red Wire: **(87a)** - Door Unlock Relay

Blue/White Wire: **(30**) - Door Unlock Relay

Blue/Yellow Wire: **(87)** - Door Unlock Relay

Green/Red Wire: **(87a)** - Door Lock Relay

Green/White Wire: **(30**) - Door Lock Relay
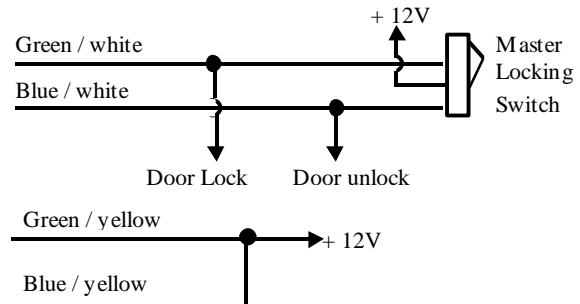
Green/Yellow Wire: **(87)** - Door Lock Relay
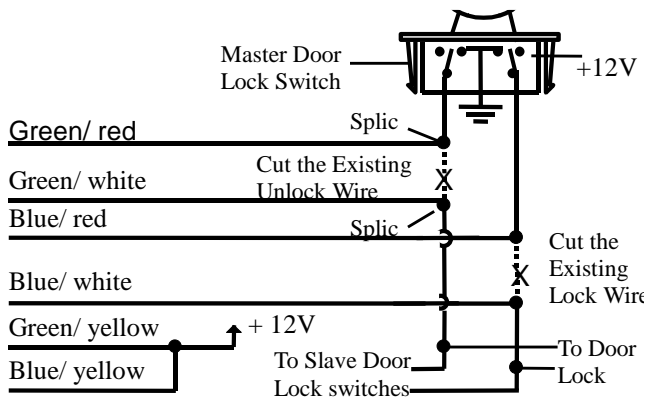
INSTALL NEW DOOR LOCK MOTORS
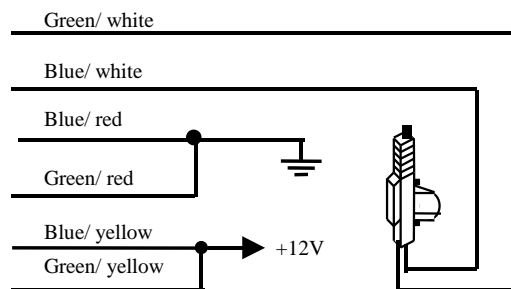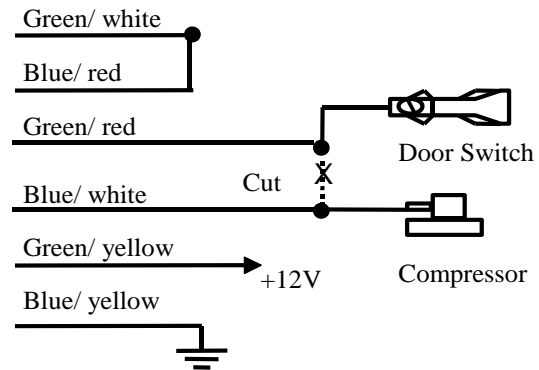

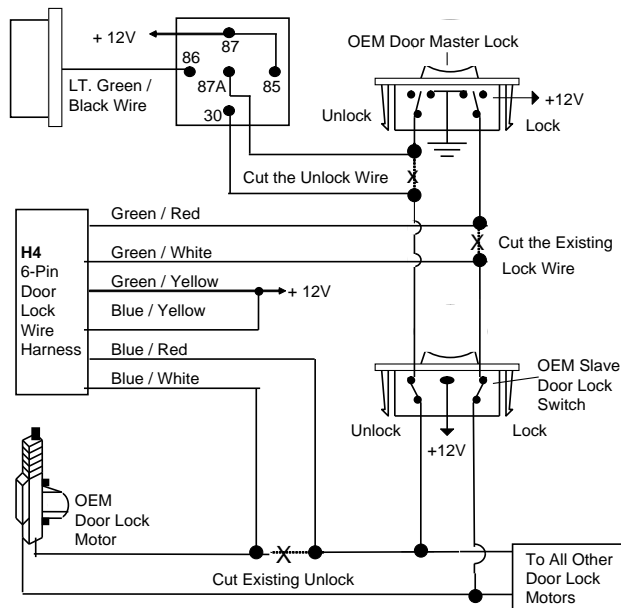NEGATIVE TRIGGER DOOR LOCK SYSTEM

POSITIVE TRIGGER DOOR LOCK SYSTEM

ALTERNATING DOOR LOCKS

Master Door Lock Switch

+12V

Splic

Green/ red

Cut the Existing Unlock Wire

Green/ white

Blue/ red

Splic

Cut the Existing Lock Wire

Blue/ white

Green/ yellow

+ 12V

Blue/ yellow

To Slave Door Lock switches

To Door Lock

VACUUM OPREATE DOOR LOCKING SYSTEM

Green/ white

Blue/ red

Green/ red

Door Switch

Blue/ white

Cut

Green/ yellow

+12V

Compressor

Blue/ yellow

2 STEP DOOR UNLOCK WIRE CONNECTION FOR 5 WIRE ALTERNATING DOOR LOCKS

+ 12V

86 87

87A 85

30

LT. Green / Black Wire

OEM Door Master Lock

Unlock

+12V

Lock

Cut the Unlock Wire

Green / Red

Green / White

Cut the Existing Lock Wire

Green / Yellow

+ 12V

H4 6-Pin Door Lock Wire Harness

Blue / Yellow

Blue / Red

Blue / White

OEM Slave Door Lock Switch

Unlock Lock

+12V

OEM Door Lock Motor

Cut Existing Unlock

To All Other Door Lock Motors

VACUUM OPERATED DOOR LOCKING SYSTEM:

TYPICAL OF MERCEDES BENZ AND AUDI. Locate wire under driver's kick panel. Use voltmeter connecting to ground, verify that you have correct wire with doors unlocked, voltmeter will receive "12 volts". Lock doors and voltmeter will read "0 volt". Move alligator clip to +12V and voltmeter will receive "12 volts". Cut this wire and make connections. Be sure to program door lock timer to 3.5 seconds (See Feuture **II – 1** Programming).

2 STEP DOOR UNLOCK WIRE CONNECTION FOR GROUND SWITCHED DOOR LOCKS

LT. Green / Black Wire

OEM Door Master Lock Switch

Unlock Lock

Existing Unlock Wire

Existing Lock Wire

H4 6-Pin Door Lock Wire Harness

Blue / Red

Blue / White

Green / White

Green / Yellow

Blue / Yellow

+12V

OEM Door Lock Relay

OEM Door Lock Motor

Cut Existing Unlock

To All Other Door Lock Motor
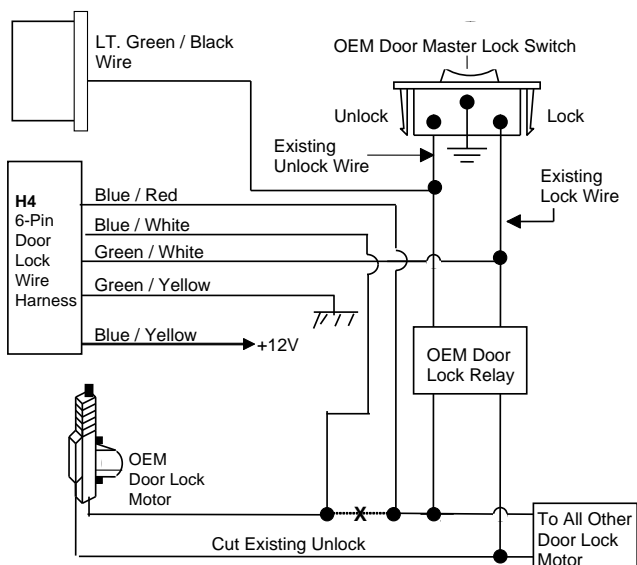
2 STEP DOOR UNLOCK WIRE CONNECTION FOR POSITIVE SWITCHED DOOR LOCKS

+12V

87

86 87A 85

30

LT. Green / Black Wire

OEM Door Master Lock

Unlock Lock

Existing Pos. Unlock Wire

+ 12V

Existing Pos. Lock Wire

H4 6-Pin Door Lock Wire Harness

Blue / Red

Blue / White

Green / White

Green / Yellow

Blue / Yellow

+ 12V

OEM Door Lock Relay

OEM Driver's Door Lock Motor

Cut Existing Unlock

To All Other Door Lock Motors
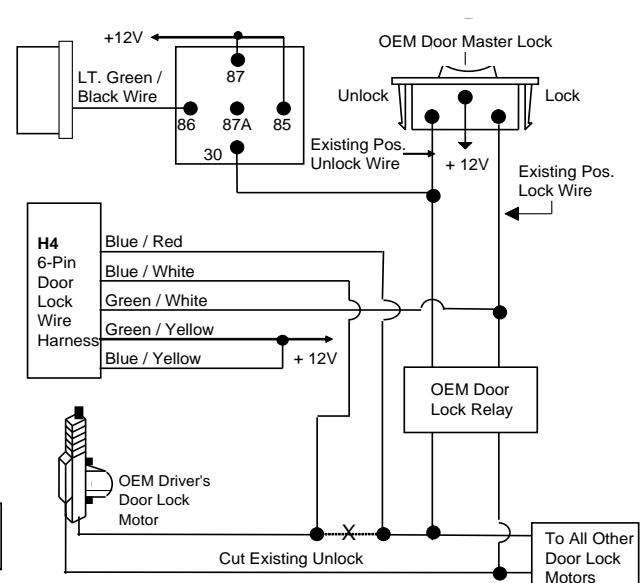
PROGRAMMING

A. THE TRANSMITTERS:

Note: This mode will only retain the last 4 remote transmitters programmed. If the transmitter memory is exceeded, the security system will start deleting transmitters from the memory in chronological order.

1. Turn the Ignition switch 'OFF/ON' 3 TIMES and stay in the ON position. Within 15 seconds.
2. Push the Valet switch **3** times and holding in on **3rd** push until a long chirp is heard. Then release the valet switch. You are now in the Transmitter programming mode.
3. Press and hold any button of the transmitter until the siren responds with a confirming chirp, indicating the signal has been stored into memory.
4. If you have additional transmitters (up to 4) that need to be programmed, repeat step 3 for each transmitter.

Exit: Turn Ignition to 'OFF' position, or leave it for 15 seconds. 3 long chirps & 3 parking light flashes will confirm transmitter programming exit.

B. ALARM FEATURES PROGRAMMING:

ALARM FEATURE "I" PRORAMMING:

1. Turn the Ignition switch 'ON/OFF' 3 TIMES and stay in the OFF position.
2. Push the Valet switch **2** times and hold it on **2nd** push until **one** chirp with a long chirp is heard. Then release the valet switch. You are now in the Alarm feature **'I'** programming mode.
3. Press and release the transmitter button 'A' corresponding to the feature 'A' you want to change.
   a. The siren chirps and LED pause will indicate previously setting.
   b. The system would advance to [2] LED flash, [2] chirp. (The factory default settings are always [1] LED flash, [1] chirp).
4. Press the transmitter button 'A' again to change the feature again. Simple keep re-depressing the transmitter button 'A' again until the module advances to your desired setting.
5. Press the transmitter button 'B' corresponding to the feature 'B' you want to program.

Press Transmitter Button	One Chirp / One LED Pulse **Factory Default Setting**	Two Chirps / Two LED Pulses	Three Chirps / Three LED Pulses	Four Chirps / Four LED Pulses
1 🔒	**All Chirps off**	All Chirps on	Siren Chirps on only	Horn Chirps on only
2 🔓	**Automatic Rearm off**	Automatic Rearm on		
3 🚗	**45 seconds Delay Door Ajar error chirp.**	Instantly Door Ajar error chirp		

Exit: Turn Ignition to the 'ON' position, or leave it for 15 seconds. 3 long chirps will confirm exit.

ALARM FEATURE "II" PRORAMMING:

1. Turn the Ignition switch 'ON/OFF' 3 TIMES and stay in the OFF position.
2. Push the Valet switch **4** times and hold it on the **4th** push until **two** chirps with a long chirp is heard. Then release the valet switch. You are now in the Alarm feature **'II'** programming mode.
3. Press and release the transmitter button 'A' corresponding to the feature 'A' you want to program.

Press Transmitter Button	One Chirp / One LED Pulse **Factory Default Setting**	Two Chirps / Two LED Pulses	Three Chirps / Three LED Pulses	Four Chirps / Four LED Pulses
1 🔒	**0.9-second door lock pulses.**	3.5-second door lock pulse.	Double pulse unlock	Door lock with "Comfort Feature"
2 🔓	**Active arming**	Passive arming without passive door locking	Passive arming with passive door locking	
3 🚗	**Ignition controlled door lock & unlock**	Ignition controlled door lock only	Ignition controlled door unlock only	Without ignition controlled door lock & unlock

Exit: Turn Ignition to the 'ON' position, or leave it for 15 seconds. 3 long chirps will confirm exit.

Comfort Feature: Some vehicles have a special "COMFORT feature". When you lock the door with the key, you just have to keep turning the key on the door about 5 or 7 seconds and window will close directly.
If your vehicle with "COMFORT feature" and you wish the door being locked and the window being closed automatically at the same time by remote control, you can set the alarm feature **II-1** "with comfort feature".

ALARM FEATURE "III" PRORAMMING:

1. Turn the Ignition switch 'ON/OFF' 3 TIMES and stay in the OFF position.
2. Push the Valet switch **6** times and hold it on the **6**[th] push until three chirps with a long chirp is heard. Then release the valet switch. You are now in the Alarm feature **'III'** programming mode.
3. Press and release the transmitter button 'A' corresponding to the feature 'A' you want to program.

Press Transmitter Button	One Chirp / LED one pulse **Factory Default Setting**	Two Chirps / LED two pulses	Three Chirps / LED three pulses	Four Chirps / LED four pulses
1 🔒	**Vehicles without Turbo (The system cannot be armed with the engine running)**	The vehicle has an aftermarket Turbo timer installed: The system can be armed with the engine running and:		
		Shock sensor will be bypassed as long as the engine running.	Shock sensor will be bypassed for one minute	Shock sensor will be bypassed for three minutes
2 🔓	**H1/4 Brown Wire = Constant siren output for six-tone siren**	H1/4 Brown Wire = 5-second pulse siren output for single-tone siren	H1/4 Brown Wire = Random pulse siren output	H1/4 Brown Wire = Pulse output
3 🚗	**H7/7 Red / White Wire Channel 3 = 1 second pulse output.**	H7/7 Red / White Wire Channel 3 = Latch output	H7/7 Red / White Wire Channel 3 = Timer controlled output	

Exit: Turn Ignition to the 'ON' position, or leave it for 15 seconds. 3 long chirps will confirm exit.

Channel 3 Output Types:

1 Second Pulse output: Pulse output gives a 1 second output to control trunk release or other devices.

Latched output: Latched output selection will output a negative signal as soon as the button is pressed and will continue until the button is pressed again.

Timer controlled output: Timer controlled output may program the built-in timer to send a ground signal for any time interval between 1 second and 2 minutes.

Channel 3 Timer Control Output Programming

1. Turn the Ignition switch 'ON/OFF' 3 TIMES and stay in the OFF position.
2. Push the Valet switch **6** times and hold it on the **6**[th] push until **three** chirps with a long chirp is heard. Then release the valet switch. You are now in the Alarm feature **'III"** programming mode.
3. Press and release the transmitter 🚗 button 3 times, [3] LED flash, [3] siren/horn chirp to indicate you are in features "Channel 3 Timer Programming mode".
4. Press and hold the valet switch, the timer will immediately start.
5. When the desired interval has passed, release the valet switch. 1 long chirp for confirmation.
   (Set to any interval between 1 second and 2 minutes).

Note: If your built-in timer controls window/sunroof closure in your car, DO NOT change timer setting! It requires installer programming. Changing value will adversely affect operation and cause damage.

Channel 4 Output Types:

Momentary output: The momentary output selection will output a negative signal from the Channel 4 output immediately when the Channel 4 button is pressed and will continue until the button is released.

ALARM FEATURE "IV" PRORAMMING:

1. Turn the Ignition switch 'ON/OFF' 3 TIMES and stay in the OFF position.
2. Push the valet switch **8** times and hold it on the **8**[th] push until four chirps with a long chirp is heard. Then release the valet switch. You are now in the Alarm feature **'IV'** programming mode.
3. Press and release the transmitter button 'A' corresponding to the feature 'A' you want to program.

Press Transmitter Button	One Chirp / LED one pulse **Factory Default Setting**	Two Chirps / LED two pulses
1 🔒	Exit the programming mode. (3 long chirps to confirm this exit.)	
2 🔓	Override Without Password Pin Code / Press & hold 🔓 button for 4 seconds to delete the Password pin code	Override With Password Pin Code / Password pin code programming
3 🚗	"TEST" Mode for Zone 2 Hood & Zone 3 Door Pin Switch	"TEST" Mode for Zone 4 / the Optional Sensor connected to 4-pin plug.

Exit: Turn Ignition to the 'ON' position, or leave it for 15 seconds. 3 long chirps will confirm exit.

Password Pin Code Setup:

1. Turn the Ignition 'switch 'ON/OFF' 3 times and stay in OFF position.
2. Push the Valet switch **8** times and hold it on the **8th** push until **four** chirps with a long chirp is heard. Then release the valet switch. You are now in the Alarm feature **'IV'** programming mode.
3. Press and release the transmitter ⊓ button once, [2] LED flash, [2] siren/horn chirp to indicate you are in features "Password Pin Code Programming mode".
4. Within 15 seconds, enter chosen first 9ths digit by pressing and releasing valet switch 1 – 9 times.
5. Within 15 seconds of the last entered 10ths digit, turn the Ignition switch to the "ON" position.
6. Within 15 seconds, enter chosen second 10ths digit by pressing and releasing valet switch 1 – 9 times.
7. Finish by turning the ignition switch to the "OFF" position.

If the new password code were accepted, the unit would report the newly entered code, by flashing the LED, first indicating the first digit code has been memorized, pause, and then the second digit code. The unit will report the new code three times with a one-second pause between each code.

Note: If 15 seconds of inactivity expire, or if the ignition switch is turned "ON" for more than 5 seconds during of the above steps, the unit will go back to the last successfully stored code. [3] long chirps will confirm password programming exit.

Delete Password Pin Code (Override Without Password Pin Code):

1. Turn the Ignition switch 'ON/OFF' 3 times and stay in the OFF position.
2. Push the Valet switch **8** times and hold it on the **8th** push until **four** chirps with a long chirp is heard. Then release the valet switch.
3. Within 15 seconds, press and hold the transmitter ⊓ button for 4 seconds. One long chirp to confirm that the Password Pin Code has been deleted.

Example: To program the Password Code 92, you would:

1. Turn the Ignition switch 'ON/OFF' 3 times and stay in the OFF position.
2. Push the Valet switch **8** times and hold it on the **8th** push until **four** chirps with a long chirp is heard. Then release the valet switch. You are now in the Alarm feature **'IV'** programming mode.
3. Press and release the transmitter ⊓ button once, [2] LED flash, [2] siren/horn chirp to indicate you are in feature "Password pin code programming mode".
4. Within 15 seconds, press and release the valet switch 9 times.
5. Within 15 seconds of the last entered 10ths digit, turn the Ignition Switch to "ON" position.
6. Within 15 seconds press and release the valet switch 2 times.
7. Turn the Ignition Switch to the "OFF' position.

You will note the LED flashing nine times, pause and then flash two times, pause. This pattern will be repeated three times indicating the new code (92) has been accepted and stored in the memory.

Test Mode

In test mode, system can test the Zone 1 Warn Away Trigger / Zone 2 Instant ground trigger / Zone 3 Door trigger and the Zone 4 optional sensor sensitivity. The installer can save time to test the optional sensor sensitivity without using the traditional arming/disarming procedures to test the sensors.

1. Turn the Ignition switch 'ON/OFF' 3 TIMES and stay in the OFF position.
2. Push the Valet switch **8** times and hold it on the **8th** push until **four** chirps with a long chirp is heard. Then release the valet switch. You are now in the Alarm feature **'IV'** programming mode.

3-a. Test the Zone 2 Instant Ground Trigger & Zone 3 Door Trigger:

Press and release the transmitter 🚗 button once. [1] LED flash, [1] siren/horn chirp to indicate you are in Zone 2 / instant ground trigger and Zone 3 / Door trigger test mode.

Trigger sensor	Siren chirps
Zone 2 / Instant Ground trigger (H7/2 Blue/White wire)	2
Zone 3 / Door trigger (H7/3 Violet & H7/5 Green Wire)	3

3-b. Test the Zone 1 / 2 Shock Sensor (Connected to **H2** 4 Pin Plug)**:**

Press and release the transmitter 🚗 button again. [2] LED flash, [2] siren/horn chirps to indicate you are in shock sensor (connected to **H2** 4 pin plug) test mode.
1. Activate the warn-away (first stage optional sensor). The system will emit a short chirp.
2. Activate the full alarm (second stage optional sensor). The system will emit a long chirp.
3. Continue to test the optional sensor until you reach the proper sensitivity.

Return To Factory Default Setting:

1. Turn the ignition ON then OFF 3 TIMES and stay in the OFF position.
2. Push the Valet switch **12** times and hold it on the **12th** push until **six** chirps with a long chirp is heard. Release the valet switch. You are now in the "Return to Factory Default Setting" programming mode.
3. Press the ⊓ and 🚗 buttons at the same time on the transmitter together for 5 seconds, there will be a confirmation six chirp with 3 long chirp to confirm the system Alarm Feature I & II & III & IV Programming all returns to factory default setting.

A. TRANSMITTER OPERATION:

Transmitter Button	System Function	Remark
🔒	Lock Doors and Arm System	Press for 1 second
🔒 - 🔒	Arm and Delete 2 Stage Shock Sensor	Press twice within 3 seconds
🔒 - 🔒 - 🔒	Arm and Noiseless Mode	Press three times within 3 seconds
🚗 - 🔒	Arm System and Hidden Alarm Function	Press in sequence within 3 seconds
🔒 + 🔓	Silent Arming / Disarming	Ignition in "off" position, press together for 1 second
🔓	Unlock Doors and Disarm System	Press for 1 second
🔓 - 🔓	2-Step Door Unlock and Disarm System	Press twice within 3 seconds
🚗 (2-second)	Trunk Release / Channel 3 Output	Press and hold for 2 seconds
🚗 - 🚗	Passive Arming By-pass	While the system is disarmed, press twice within 3 seconds
🚗 - 🚗 - 🚗	Remote Control Entry/Exit Valet Mode	While the system is disarmed, press three times within 3 seconds
🔒 + 🚗	Channel 4 Output	Press together for 1 second

B. LED INDICATORS:

LED	Status
Off	Disarmed
Slow flash	Armed
Fast flash	Passive arming
On (solid)	Valet mode

LED	Status
2 flashes... pause	Zone 2 / Trigger on Trunk/Hood
3 flashes... pause	Zone 3 / Trigger on Door Switch
4 flashes... pause	Zone 4 / Trigger on Shock Sensor
5 flashes... pause	Zone 5 / Trigger on Ignition Switch

C. CHIRP INDICATORS:

Chirp	Function
1 chirp	Arm
2 chirps	Disarm
3 chirps	Ajar Warning
6 chirps	Car locator

D. PARKING LIGHT:

Parking light	Function
1 flash	Arm
2 flashes	Disarm
3 flashes	Triggered
12 flashes	Car locator

E. SYSTEM OPERATING CONDITION:

	Siren, Horn	Parking Light	LED	Doors	Starter	Dome Light
1. Arming	1 or 3 Chirps	1 Flash	Slow Flash	Locking	Disable	
2. Disarming	2 or 4 Chirps	2 or 3 Flashes	Fast Flash or Off	Unlocking		Turns on for 30 -second
3. Trigger	Alarming	Flashes	Slow Flash		Disable	Flashes
4. Panic	Alarming	Flashes				Flashes
5. Car Locator	6 Chirps	12 Flashes				

F. ACTIVE ARMING – LOCK & ARM:

1. Press 🔒 button on the transmitter.
2. The siren will chirp once and parking light will flash once indicating that the system is now armed. The vehicle doors will lock upon arming when interfaced with the security system.

AJAR WARNING: (See Alarm Feature **"I ─ 3"** Programming): If the siren sounds 3 chirps, then you have left a door, trunk, or hood lid ajar.

SILENT ARMING / DISARMING: Press the 🔒 and 🔓 buttons at the same time on the transmitter will arm or disarm your security system, No chirp sounds will be heard, arm / disarm confirmation will be through the vehicles parking lights only.

SHOCK SENSOR BY-PASS: Press the 🔒 button on the transmitter twice within 3 seconds will arm the security system and bypass the shock sensor. The system will chirp one additional time to confirm the sensor bypass mode was activated. The sensor bypass feature is programmed to activate for one arming cycle only. The security system will return to normal operation during the next arming cycle.

NOISELESS MODE: Press 🔒 button once. The siren chirps once. System is now armed.

Press 🔒 button twice more within 3 seconds: Siren chirps once again, system is now in Noiseless mode. On this mode, for the zone 4 shock sensor, the trigger timer will reduced from 30 seconds to 15 seconds. The noiseless feature is programmed to activate for one arming cycle only. The security system will return to normal operation during the next arming cycle.

HIDDEN ALARM FUNCTION: Press the button first; within 3 seconds press the button to activate the hidden alarm function. The security system will arm and with "Hidden Alarm Function". The siren / horn will be silenced even if the sensor is triggered in the armed status.

G. PASSIVE ARMING: (See Feature "II - 2" Programming):

Active arming / disarming will allow you to control your security system via the remote transmitter. This security system is equipped with an optional Passive Arming feature, which allows the security system to arm 30 seconds after the last door is closed. Operation is as follows.

1. Turn the ignition to the "OFF" position and exit the vehicle.
2. After all entrances are closed, the security system LED will flash fast for 30 seconds. If you reopen any door / hood / trunk, the security system LED will stop flashing. It will begin flashing again once the vehicle all entrances are closed.
3. After 30-second time has elapsed, the security system will automatically "ARM". The siren will chirp [1] time and the parking lights will flash [1] time and remain on for 10-seconds.

PASSIVE DOOR LOCKING: (See Feature "II - 2" Programming): The vehicle doors will automatically lock after passive arming cycle has been completed.

PASSIVE ARMING BY-PASS: While system disarmed, press button twice and system will respond with [1] chirp and LED will turn "ON". System will remain in this temporally state for as long as

you wish. To exit passive bypass, press transmitter or button and system will return to normal.

H. ACTIVE DISARMING – UNLOCK & DISARM:

1. Press button on the transmitter.
2. The siren will chirp twice and parking light will flash twice and then remain on for 30 seconds indicating that the security system is now disarmed. The vehicle doors will unlock and dome light wills turns on for 30 seconds upon disarming when interfaced with the security system.

TAMPER DISARM: If alarm triggered, upon disarm system, siren chirp 4 times, parking light flash 3 times.

TWO STEP DOOR UNLOCK: This feature unlocks drives door only when disarming the system. Pushing

the button on the transmitter a second time within 3 seconds will unlock entire vehicle.

AUTOMATIC RE-ARM (See Feature "I - 2" Programming): If this feature is selected, the security system will automatically re-arm itself 60 seconds after disarming with remote transmitter. Automatic rearm will cancel if any door is opened before the 60 seconds timer has elapsed.

I. DISARMING WITHOUT A TRANSMITTER:

OVERRIDE THE ALARM WITHOUT PASSWORD PIN CODE: (Factory Default Setting):
The Override function may be used if the remote transmitter is lost or inoperative.
1. Enter the vehicle and turn the ignition switch to 'ON' position. (Alarm will sound.)
2. Within 10 seconds push and release the valet switch. Alarm will stop sounding and enter the disarm mode. You can now start and operate the vehicle normally.

OVERRIDE THE ALARM WITH PASSWORD PIN CODE: (See Alarm Feature **IV - 2** Programming):
Unlike valet switch easily found, and defeated, this security system allows the consumer to program a password pin code, offering a higher level of security.
1. Enter the vehicle and turn the ignition switch to the 'ON' position. (Alarm will sound.)
2. Within 5 seconds, enter your chosen first 10ths digit by pressing and releasing the valet switch.
3. Within 15 seconds of the last entered 10ths digit, turn the Ignition switch "OFF" then "ON".
4. Within 15 seconds, enter your chosen second 10ths digit by press and release the valet switch.
5. Turn the ignition switch "OFF" position.
[4] Chirps form siren/horn, [3] flash from parking light and LED will turn off to indicate system disarmed.
Note 1: You must override the alarm within 60 seconds. If not, the system will automatically re-arm.
EXAMPLE: To override the system with the password code 83, you would;
1. Enter the vehicle and turn the ignition switch to 'ON' position. Alarm will sound.
2. Within 5 seconds, press and release the valet switch 8 times
3. Within 15 seconds of the last entered 10ths digit, turn the Ignition Switch "Off" then "ON".
4. Within 15 seconds, press and release the valet switch 3 times
5. Turn the Ignition Switch to "Off" position.
[4] Chirps form siren/horn, [3] flash from parking light and LED will go off indicating system was disarmed.

J. VALET MODE: (System in Disarm or Valet mode):

The valet switch allows you to temporarily bypass all alarm functions, eliminating the need to hand your transmitter to parking attendants or garage mechanics. When the system is in valet mode, all alarm functions are bypassed, however the remote panic feature and remote door locks will remain operational. To use the valet mode, the system must first be disarmed either by using your remote transmitter, or by operating the Manual override sequence.
Enter Valet Mode:
1. From the disarmed condition, turn the ignition to the "ON" position.

2. Push and hold the valet switch for 2 seconds until the LED turns on. The LED will remain on as long as the system is in 'valet mode'. One parking light flash confirms entering of valet mode.

Exit Valet Mode:

1. Return to normal operation, turn ignition 'on'.

2. Push and hold valet switch for 2 seconds. LED will turn off indicating system has exited the valet mode. Two parking light flashes confirm exiting of valet mode.

Remote Valet Mode:

1. Press and release 🚗 button on transmitter three times within 3 seconds to enter or exit valet mode.

2. One parking light flash will confirm you have entered 'valet mode' and two parking light flashes will confirm you exited 'valet mode'.

K. TRIGGER THE SYSTEM:

When armed, your vehicle is protected as follows:

1. Light impacts will trigger the warn-away signal.

2. Heavy impacts / Doors open / Hood open / Trunk open / Turning on the ignition key will trigger the programmed sequence.

The starter disable relay (if installed) prevents the vehicle's starter from cranking. The siren, horn, parking lights, and dome light will turn on to alert of an intrusion for 30 seconds. Then it will stop and automatic reset and re-arm. If the one of sensors or detectors is still active, the alarm system will sound a maximum of 6 times of 30 seconds cycles.

NOISE ABATEMENT CIRCUIT: Your system has "Noise Abatement Circuit". It prevents annoying repetitive trigger sequences due to faulty door pin switches or environmental condition such as thunder, jackhammers, airport noise, etc.

Here is how "Noise Abatement Circuit" works: The alarm triggers five times. Each time the same sensor or switch is triggering the alarm, the "Noise Abatement Circuit" will interpret this pattern of triggers or false alarms. After the fifth trigger, "Noise Abatement Circuit" ignores, or by pass, that sensor or switch until the other sensor or switch is trigger.

"Noise Abatement Circuit" covers doors, hood, and trunk differently: If the alarm is triggered by an open door for six full cycles (three minutes), the doors will be bypassed until the trigger ceases.

L. DOME LIGHT CONVENIENCE DELAY & SUPERVISION:

The alarm has a unique feature that will turn on your vehicle dome light as following:

1. Upon disarming, the interior lights will remain on for 30 seconds.

2. If the vehicle is intruded, the interior light will flash for the same duration as the siren.

Note: Turning ON the ignition switch or arming the alarm will turn off the dome light.

M. IGNITION CONTROL POWER DOOR LOCKS: (See Feature **"II – 3"** Programming):

1. Turn the ignition switch on and close all the vehicle's doors. After 3 seconds, the system will automatically lock the central locking system.

2. Turn the ignition switch off. The system will automatically unlock the central locking system.

N. TRUNK RELEASE / CHANNEL 3 OUTPUT: (See Alarm Feature **"III – 3"** Programming):

Press and hold 🚗 button on transmitter for 2 seconds to control trunk release or other electric devices. Channel 3 is user-programmable timer output. You may program the built-in timer to send a ground signal for any time interval between 1 second and 2 minutes. For instance, this timer output may be used to turn on the headlights, power windows, or sunroof.

Note: Factory default setting at 1-second pulse grounded for trunk release output.

O. CHANNEL 4 OUTPUT:

Press the transmitter 🔒 and 🚗 buttons at the same time to active Channel 4 function. The momentary output sends a ground signal for as long as the two buttons are pressed together (Up to 8 seconds).

P. POWER ON MEMONRY:

This security system is equipped with circuitry that will allow the unit to remember its alarm state if the power is lost and then reconnected.

Q. ALARM UPGRADE:

This unit is capable of being upgraded to an alarm system to detect if a thief is trying to open a door, the hood, or the trunk and has an input for a shock sensor to detect impact to the vehicle by a thief. If you would like to upgrade this unit to an alarm system, please contact your authorized reseller.

R. 2-WAY UPGRADE:

This unit is capable of 2-way communication to notify the owner if anyone is trying to tamper with the vehicle or to confirm remote start operation. If you would like to upgrade this unit to a 2-way system by purchasing a 2-way LCD transceiver, please contact your authorized reseller.

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