1. Press button on one of the transmitter until the siren responds with a confirming chirp the first transmitter is now programmed.
2. Press button on the second transmitter until the siren responds with a confirming chirp, the second transmitter is now programmed.
3. Apply the same procedure to program 3rd and 4th

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

△ **This system has an unique optional TX040 passive/active transmitter design, it's programming is the same as above. (To see how it works, please see operation part.)**

PROGRAMMING THE TX780V TWO-WAY LCD SCREEN REMOTE TRANSMITTER

Important Note: This program mode is for TX780V two-way LCD screen transmitter programming only; do not program other style transmitter on this mode.

Note: This mode will only retain the last 2 remote transmitters programmed. If the transmitter memory is exceeded, the security system will start deleting transmitters from memory in chronological order.

The two-way LCD screen remote transmitter can be add on for this system. The two-way remote transmitter actively gives an immediate report to the remote transmitter on any violations occurred to your vehicle both by visual graphic icon and audio sound.

When you press a button of two-way remote transmitter, you can make sure if your command has been correctly delivered to the system module in your vehicle, The displayed graphic icon on the LCD screen as well as by hearing a confirming melody sound from your two-way remote transmitter.

Enter:
1. Turn the Ignition 'switch 'OFF/ON' 3 TIMES and stay in ON position. Within 15 seconds.
2. Push the Valet switch 6 times and hold it until a long chirp is hearing then release the valet switch. You are now in the two-way LCD screen remote Transmitter programming mode.

Program:
1. Press Button on one of the transmitter until the siren responds with a confirming chirp the first transmitter is now programmed.
2. Press Button on the second transmitter until the siren responds with a confirming chirp the second transmitter is now programmed.

Note: Maximum (2) two-way LCD screen remote transmitter can be program.

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

IMPORTANT NOTE: This program mode is for TX780V two-way LCD screen transmitter programming only; do not program other style transmitter on this mode.

TX780V   TWO-WAY LCD SCREEN REMOTE TRANSMITTER

B. FEATURES PROGRAMMING:

ALARM FEATURE "I" PRORAMMING:

1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch **2** times and hold it until **one** chirp with a long chirp is hearing 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 program.
   a. The siren chirps and LED pause will indicate previously setting.
   b. The factory default settings is always [1] LED flash, [1] chirp.

4 Depress the transmitter button 'A' again to change the feature. Simple keep re-depressing the transmitter button 'A' again until the module advances to your desired setting.

   a. In this case, Press button 'A' again, the module would advance to [2] LED flash, [2] chirps.

   b. Press button 'A' again, the module would advance to [3] LED flash, [3] chirps etc.

5. Depress the transmitter button 'B' corresponding to the feature 'B' you wants to program.

For example: To program the arming mode form "Active arming" to "Passive Arming without Passive Door Locking", After "Arming mode" program, the next program is "Rearm on/off" ....

1 Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.

2 Push the Valet switch 2 times and hold it until a chirp with a long chirp is hearing then release the valet switch.

3 Press and release the transmitter 🔓 button corresponding to the feature 'Arming mode' you wants to program. [1] LED flash, [1] chirp to indicate your are in features "Active Arming".

4 Depress the transmitter 🔓 button twice to change the feature. [3] LED flash, [3] chirps to indicate your are in features "Passive Arming without Passive Door Locking ".

5 Depress the transmitter 🔇 button corresponding to the features "Rearm on/off" you want to program........

Press Transmitter Button	One Chirp / LED one pulse Factory Default Setting	Two Chirps / LED two pulse	Three Chirps / LED three pulse	Four Chirps / LED four pulse
1 🔒	All chirps on	Siren chirp on only	Horn chirp on only	All chirps off
2 🔓	Active arming	Active arming with Passive starter disable	Passive arming without passive door locking	Passive arming with passive door locking.
3 🔇	Automatic Rearm on	Automatic Rearm off		
4 🔊	With Door Ajar error chirp	Bypass Door Ajar error chirp.		
5 ✳	Without Car-jack mode	Active Car-jack mode	Passive Car-jack mode	
6 🚗	Transmitter can not Arm the System When Driving	Transmitter can be Arming the System When Driving		
7 ✴	Panic with Ignition off	Panic with Ignition on & off	Panic with Ignition on & off. Panic with No time limit.	Without Panic function.

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

Door Ajar Error Chirp on/off:

This feature controls the error chirp that is generated if the system is armed with the door trigger active. This useful in vehicles that has a long dome light delay after the door has been closed. If the system is armed before the dome light has turned off, the security system will generate the door trigger error chirp. If this error chirp is not desired, use this feature to disable the door open error chirp. If the bypass chirp is turn off, no bypass chirp will be generated, ever if a door is accidentally left open.

Active Arming With Passive Starter Disables: The "Ground-when-armed output will go active 60 seconds after the ignition is turn off. The LED will flash at half its normal rate when the ignition is turn off to indicate that the system will interrupt the starter in 60 seconds.

Transmitter Can Be Arming The System When Drive: Press and hold the 🔒 button on the transmitter for 2 seconds while the ignition is "ON". The system will be arm and the system will not respond to any trigger input except the door triggers and starter disable relay (if installed) will no be activated.

ALARM FEATURE "II" PRORAMMING:

1 Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.

2 Push the Valet switch **4** times and hold it until **two** chirps with a long chirp is hearing 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 / LED one pulse **Factory Default Setting**	Two Chirps / LED two pulse	Three Chirps / LED three pulse	Four Chirps / LED four pulse
1 🔒	0.8-second Door lock pulses.	3.5-second Door lock pulse.	Double pulse unlock	
2 🔓	Ignition controlled door locks & unlocks	Ignition controlled door locks only	Ignition controlled door unlocks only	Without ignition controlled door locks & unlocks
3 🔇	H2/4 Brown Wire = Constant Siren output for 6-tone siren	H2/4 Brown Wire = 5-second pulse Siren output for signal tone siren	H2/4 Brown Wire = Random pulse Siren output	H2/4 Brown Wire = Horn Output
4 🔊	Pathway illumination feature "off"	Parking light "on" for 30- second upon an unlock signal	Parking light "on" for 30- second upon an unlock signal & 10- second upon a lock signal.	
5 ✳	With code "hopping"	Without code" hopping"		
6 🚗	H9/2 Gray Wire Channel 2 Output = 1 second pulse output for trunk release.	H9/2 Gray Wire Channel 2 Output = Momentary output	H9/2 Gray Wire Channel 2 Output = Latched (3) / Latch output and reset with ignition "on" (4) / 30-second (5) / 60-second (6) Timer controlled output	

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

ALARM FEATURE "III" PRORAMMING:

1 Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.

2 Push the Valet switch **6** times and hold it until **three** chirps with a long chirp is hearing 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 pulse	Three Chirps / LED three pulse	Four Chirps / LED four pulse
1 🔒	Exit the programming mode. (3 long chirp to confirm this exit.)			
2 🔓	Exit the programming mode. (3 long chirp to confirm this exit.)			
3 🔇	Press & hold button 3 for 4 seconds to delete the sensor code	Wireless door/window sensor & PIR sensor programming mode		
4 🔊	Override Without Password Pin Code / Press & hold button 4 for 4 seconds to delete the Password pin code	Override With Password Pin Code / Password pin code programming		

5 ✳	"TEST" Mode for Zone 2 / instant trigger & Zone 3 / Door trigger	"TEST" Mode for Zone 5 / Wireless door/window sensor & PIR sensor	"TEST" Mode for Zone 4 / the Optional Sensor connected to 4 pin plug.	
6 🚗	Adjusting and Testing Zone 1 / Built-in Shock Sensor. Press 🚗 button will decrease sensitivity by one.			
7 ✳	Adjusting and Testing Zone 1 / Built-in Shock Sensor. Press ✳ button will increase sensitivity by one.			

Exit: Turn Ignition to 'ON' position / leave it for 15 seconds / press button 🔒 or 🔓 . A 3 long chirps & 3 parking light flashes to confirm exit 1-4

Press button 🔒 or 🔓 . A 3 long chirps & 3 parking light flashes to confirm exit 5-7.

rogram The Wireless PIR Sensor or Wireless Door/Window Sensor.

This system has a very unique interfacing with optional sensor, to extend more protection, such as PIR (IR-70S) sensor or Door/Window sensor. (DS-70S)

For example, in your garage you can put a PIR for protection. (A device to detect person's movement in a protected area.) If system armed, a person walk through the detect area, the siren inside the car will alarming to raise the attention to the owner.

So the same thing applies in door/window sensor, (A device to detect door/window open.) you may put the sensor to the garage door or window. If system armed, a person opens the door or window, the siren will alarm.

Set the PIR and door/window sensor the same code if you use both of them.

Enter:
1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch **6** times and hold it until **three** chirps with a long chirp is hearing then release the valet switch. You are now in the Alarm feature 'III' programming mode.

Program:
1. Press and release the transmitter 🔇 button once, [2] LED flash, [2] siren/horn chirp to indicate your are in features "Sensor Programming mode".
2. Activate the sensor to let the system program it's code. [2] Chirps to confirm programmed. (Only one code could be program)

Delete:

Within 15 seconds, Again press and hold the transmitter 🔇 button for 4 seconds. A [1] long chirps to confirm deleted the sensor code.

Password Pin Code Setup:

Enter:
1. Turn the Ignition 'switch 'ON/OFF' 3 times and stay in OFF position.
2. Push the Valet switch **6** times and hold it until **three** chirps with a long chirp is hearing then release the valet switch. You are now in the Alarm feature 'III' programming mode. You can program or delete the password pin code as below:

Program:
1. Press and release the transmitter 🔊 button once, [2] LED flash, [2] siren/horn chirp to indicate your are in features "Password Pin Code Programming mode".
2. Within 5 seconds, begin to enter your chosen first 9ths digit by pressing and releasing the valet Switch from 1 – 9 times.
3. Within 15 seconds of the last entered 9ths digit, turn the Ignition switch to "ON" position.
4. Within 15 seconds, enter your chosen second 9ths digit by pressing and releasing the valet Switch from 1 – 9 times.
5. Finish by turning the Ignition switch to "OFF" position.

If the new password code was accepted, the unit would report back 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's pause between each code.

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

revert back to the last successfully stored code

Delete Password Pin Code / Override Without Password Pin Code (Factory default setting):

Within 15 seconds, press and hold the transmitter 🔊 button for 4 seconds. A one long chirps to confirm Deleted the Password Pin Code.

Example: To program the Password Code 92, you would;
Enter:
1. Turn the Ignition 'switch 'ON/OFF' 3 times and stay in OFF position.
2. Push the Valet switch **6** times and hold it until **three** chirps with a long chirp is hearing then release the valet switch. You are now in the Alarm feature '**III**' programming mode.

Program:
1. Press and release the transmitter 🔊 button once, [2] LED flash, [2] siren/horn chirp to indicate your are in features "Password pin code programming mode".
2. Within 5 seconds, press and release the valet Switch 9 times.
3. Within 15 seconds of the last entered 9ths digit, Turn the Ignition Switch to "ON" position.
4. Within 15 seconds press the valet Switch twice.
5. Turn the Ignition Switch to "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 memory.

Test Mode

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

Enter:
1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch **6** times and hold it until **three** chirps with a long chirp is hearing then release the valet switch. You are now in the Alarm feature '**III**' programming mode.

4-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 your are in Zone 2 / instant ground trigger and Zone 3 / Door trigger test mode.

Trigger sensor	Siren chirps
Zone 2 / Instant Ground trigger (H6/4 Blue wire)	2
Zone 3 / Door trigger (H6/6 Green or H6/7 Violet wire)	3

4-b. Test the Zone 4 / Optional Sensor (Connected to H8 4 Pin Plug)**:**

Press and release the transmitter ✳ button again. [3] LED flash, [3] siren/horn chirps to indicate your are in optional sensor (connected to H8 4 pin plug) test mode.
1. Activate the warn-away (first stage optional sensor), system will emit a short chirp.
2. Activate the full alarm (second stage optional sensor), system will emit a long chirp.
3. Continue to test the optional sensor until reach the proper sensitivity.

4-c. Test the Zone 5 / Wireless PIR or Door Switch:

Press and release the transmitter ✳ button again. [2] LED flash, [2] siren/horn chirps to indicate your are in optional wireless PIR or Door switch test mode.

Trigger sensor	Siren chirps
Zone 5 / Optional wireless PIR or Door Switch	5

Adjusting and Testing The On-Board Shock Sensor (Zone 1).

The Zone 1 / shock sensor has been built in this system, you can use this mode to test and adjust sensitivity of the shock sensor. The installer can save time to adjust and test sensitivity of the shock sensor without using the traditional arming/disarming procedures.

Enter:
1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch **6** times and hold it until **three** chirps with a long chirp is hearing then release the valet switch. You are now in the Alarm feature '**III**' programming mode.

Adjusting and Testing:

There are 15 steps of adjustment for the shock sensor.

1. Press the transmitter 🚗 button once will decrease sensitivity by one, each time an decrease is made the siren/horn chirp will respond with [1] chirp, while 2 chirp indicates the minimum of sensitivity.

2. Press the transmitter ✱ button once will increase sensitivity by one, each time an increase is made the siren/horn chirp will respond with [1] chirp, while 2 chirp indicates the maximum of sensitivity.

3. Back the factory default setting: Press and hold the transmitter 🚗 or ✱ button for 4 seconds until A (1) long chirp from siren/horn, The sensitivity of the shock sensor will Back the factory default setting.

4. To test the shock sensor sensitivity adjustments, apply a shock to the vehicle.
   a. Activate the warn-away (first stage shock sensor), system will emit a short chirp.
   b. Activate the full alarm (second stage shock sensor), system will emit a long chirp.

5. Continue to test the shock sensor until reach the proper sensitivity.

REMOTE START FEATURE PROGRAM MODE.

START FEATURE "I" PRORAMMING:

1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch 8 times and hold it until **four** chirps with a long chirp is hearing then release the valet switch. You are now in the Start feature 'I' 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 pulse	Three Chirps / LED three pulse	Four Chirps / LED four pulse
1 🔒+ ✱	Automatic Transmission Gear	Standard (manual) Transmission Gear		
2 🔒	10 minutes run time	20 minutes run time	30 minutes run time	5 minutes run time
3 🔓	Factory alarm disarm with channel 2 on	Without this feature		
4 ◀X	Constant parking light output	Flashing parking light output		
5 ◀)))	Door lock before start	Without this feature		
6 ✱	H9/3 Pink Wire = Two step door unlock output	H9/3 Pink Wire = Factory Security Disarm Signal Output	H9/3 Pink Wire = Start Status (Shock Sensor Bypass Control) Output	
7 🚗	H9/6 Brown/White Wire = (-) 200ma Horn Output	H9/6 Brown/White Wire = Factory Security Rearm Signal Output		
8 ✱	Temperature-Control Starting OFF	Temperature-Control Starting 5 F (- 15 C)	Temperature-Control Starting - 7 F (- 20 C)	Temperature-Control Starting - 22 F (- 30 C)

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

START FEATURE "II" PRORAMMING:

1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch **10** times and hold it until **five** chirps with a long chirp is hearing then release the valet switch. You are now in the Start 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 / LED one pulse **Factory Default Setting**	Two Chirps / LED two pulse	Three Chirps / LED three pulse	Four Chirps / LED four pulse

1 🔒	Exit the programming mode. (3 long chirp to confirm this exit.)			
2 🔓	Exit the programming mode. (3 long chirp to confirm this exit.)			
3 ◀X	Tachometer checking type.	Voltage checking type	Timer checking type	
4 ◀»	RPM learning			
	Start Timer: 0.6-second	0.8-second (2 chirps), 1.0-second (3 chirps), 1.2-second (4 chirps), 1.4-second (5 chirps), 1.6-second (6 chirps), 1.8-second (7 chirps), 2.0-second (8 chirps), 3.0-second (9 chirps), 4.0-second (10 chirps),		
5 ✳	Start the system for TESTING & ADJUSTMENT			
6 🚗	Hi check level	Low check level		
7 ✳̄	Stop the remote start system for TESTING & ADJUSTMENT			

Exit: Press the 🔒 or 🔓 button on the transmitter. A 3 long chirps & 3 parking light flashes to confirm exit.

ACHOMETER CHECKING TYPE

Enter Start Feature 'II' Programming Mode:
1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch **10** times and hold it until **five** chirps with a long chirp is hearing then release the valet switch. You are now in the Start feature 'II' programming mode.

Select "Checking Type":
3. Press and release the transmitter ◀X button once to set the "Tachometer Checking Type". [1] LED flash, [1] chirp to Confirm this setting.
4. Once you complete step 3, you can program "RPM Learning Mode" as below:

PM Learning

While the system stay in Start Feature "II" programming mode,
1. Press and release the transmitter ◀» button once, [1] LED flash, [1] chirp to indicate your are in features "RPM Learning mode".
2. Start the vehicle with the key. (While the engine is running, the parking & LED will flash, If don't, please check tachometer White/Red wire connection. (H6/8)
3. Press and hold the valet switch for 2 seconds until a long chirp and the LED light constant for two seconds. The RPM signal is learned.
4. Once you complete step 3, you can adjust and test "Check Level" as below:

CHECK LEVEL PROGRAMMING: (TEST and ADJUST)

While the system stay in Start Feature "II" programming mode,
1. Press the ✳ button on the transmitter to start the vehicle.
2. If everything goes well:

   a. Press the ✳̄ button on the transmitter to stop engine running. You have been completed this programming successfully.

   b. Press 🔒 or 🔓 button on the transmitter to exit the program mode. There will be 3 long chirps for confirmation.
3. If the crank time is too long, (Engine already successfully running, while still cranks):

   a. Press the '✳̄' button on the transmitter to stop engine running.

   Press 🚗 button on the transmitter to set proper "Check Level " to Low position. [2] LED flash, [2] chirps to confirm this setting
   b. Repeat the step1 – 4.
4. If the crank time is too short, (Engine not running, while stops cranks):

   a. Press the ✳̄ button on the transmitter to stop engine running.

   Press 🚗 button on the transmitter to set proper " Check Level " to Hi position. [1] LED flash, [1] chirp to confirm this setting
   b. Repeat the step1 – 4.

OLTAGE CHECKING TYPE

Enter Start Feature 'II' Programming Mode:

1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch **10** times and hold it until **five** chirps with a long chirp is hearing then release the valet switch. You are now in the Start feature 'II' programming mode.

Select "Checking Type":

3. Press the transmitter ◀X button to set the "Voltage Checking Type". [2] LED flash, [2] chirps to confirm this setting
4. Once you complete step 3, you can adjust and test "Start Timer" as below:

TART TIMER PROGRAMMING: (TEST and ADJUST)

While the system stay in Start Feature "II" programming mode,

1. Press the ✱ button on the transmitter to start the vehicle.
2. If everything goes well:
   Wait for 10 seconds:
   a. If the engine still running.

      I. Press the ✱ button on the transmitter to stop engine running. You have been completed this programming successfully.

      II. Press 🔒 or 🔓 button on the transmitter to exit the program mode. There will be 3 long chirps for confirmation.

   b. If the engine shut down after the vehicle has been started.

      I. Press the ✱ button on the transmitter to stop engine running.

      II. Press 🚗 button on the transmitter to set "**Check Level**" to LOW position. [2] LED flash, [2] chirps to confirm this setting

      III. Repeat the step1 – 2.

3. If the crank time is too long, (Engine already successfully running, while still cranks):

   a. Press the ✱ button on the transmitter to stop engine running.

   b. Press ◀)) button on the transmitter to set proper "Start Timer". The chirp & LED pause will confirm this enter. (Decrease "Start Timer" is necessary.)

   c. Repeat the step1 – 4.

4. If the crank time is too short, (Engine not running, while stops cranks):

   a. Press the ✱ button on the transmitter to stop engine running.

   b. Press ◀)) button on the transmitter to set proper "Start Timer". The chirp & LED pause will confirm this enter. (Increase "Start Timer " is necessary.)

   c. Repeat the step1 – 4.

imer Checking Type

Enter Start Feature 'II' Programming Mode:

1. Turn the Ignition 'switch 'ON/OFF' 3 TIMES and stay in OFF position.
2. Push the Valet switch **10** times and hold it until **five** chirps with a long chirp is hearing then release the valet switch. You are now in the Start feature 'II' programming mode.

Select "Checking Type":

3. Press the transmitter ◀X button to set the "Timer Checking Type". [3] LED flash, [3] chirps to confirm this setting
4. Once you complete step 3, you can adjust and test "Start Timer" as below:

TART TIMER PROGRAMMING: (TEST and ADJUST)

While the system stay in Start Feature "II" programming mode,

1. Press the ✱ button on the transmitter to start the vehicle.
2. If everything goes well:

   a. Press the ✱ button on the transmitter to stop engine running. You have been completed this programming successfully.

   b. Press 🔒 or 🔓 button on the transmitter to exit the program mode. There will be 3 long chirps for confirmation.

3. If the crank time is too long, (Engine already successfully running, while still cranks):

a. Press the ⟐ button on the transmitter to stop engine running.

b. Press the ◀᛫⟩⟩ button on the transmitter to set proper "Start Timer". The chirp & LED pause will confirm this enter. (Decrease "Start Timer" is necessary.)

c. Repeat the step1 – 4.

4. If the crank time is too short, (Engine not running, while stops cranks):

a. Press the ⟐ button on the transmitter to stop engine running.

b. Press ◀᛫⟩⟩ button on the transmitter to set proper "Start Timer". The chirp & LED pause will confirm this enter. (Increase "Start Timer " is necessary.)

c. Repeat the step1 – 4.

RETURN TO FACTORY DEFAULT SETTING:

1. Turn the ignition ON then OFF 3 TIMES and stay in OFF position.

2. Push the Valet switch **12** times and hold it until **six** chirp with a long chirp is hearing then release the valet switch. You are now in the "Return To Factory Default Setting" programming mode.

3. Press the ◀᛫ + ◀᛫⟩⟩ button on the transmitter together for 6 seconds, there will be a confirmation six chirp with 3 long chirp to confirm the system "Alarm Feature I / II / III Programming all returns to factory default setting.

Exit: Press transmitter's 🔒 button or turn the ignition switch "on" or leave it for 15 seconds. A 3 long chirps to confirm exit.

SHUTDOWN DIAGNOSTICS

The unit has the ability to report the cause of the last shutdown of the remote start system.

Enter:

1. Turn the Ignition 'switch to 'ON position.

2. Press the ◀X button on the transmitter.

3. The LED will now report the last system shutdown by flashing for one minute in the following grouped patterns:

LED Flashes	Shutdown Mode	
1	(-) Safety Shutdown input (Hood)	1. Close the hood. 2. Check H6/1 White/ Black wire connection.
2	(+) Safety Shutdown input (Brake) or Neutral Safety Switch input fail.	1. Check H6/3 White/ Violet wire connection. 2. Move the Enable Toggle Switch to "ON" position. (If installed.) 3. Move the gear selector to "Park"/ "NEUTRAL" position. 4. Check H6/2 Black/White wire connection.

3	No RPM or Low Voltage.	TACHOMETER CHECKING TYPE:
		  Check H6/8 White/Red wire connection
		VOLTAGE CHECKING TYPE:
		  Program the "CHECK LEVEL" from
		  "Hi Check Level" to "Low Check Level"

4	(-) Wait for Start timed out	1. Check wait for start indicator 2. Check H6/5 White/ Green connection.
5	Over-rev	
6	System timed out	
7	Transmitter	

TESTING YOUR INSTALLATION:

Caution!! The follow procedure must be performed after the installation of the Remote Start Device. It is the responsibility of the installing technician to complete these tests. Failure to test the unit in the following manner may result in personal injury, property damage, or both.

1. Test the BRAKE shutdown circuit: With the vehicle in park (P), start the vehicle using the remote transmitter, Once the engine is running, press the brake pedal. The vehicle should shut down immediately. If the vehicle continues to run, check the brake circuit WHITE/ VIOLET wire (H6/3) connection.
2. Test the HOOD PIN shutdown circuit: Start the vehicle using the remote transmitter, Once the engine is running, pull the hood release and raise the hood. The vehicle should shut down immediately. If the vehicle continues to run, check the hood pin WHITE/ BLACK wire (H6/1) connection.

3. NEUTRAL START SAFETY TEST:
1. Set the vehicle parking brake.
2. Block the drive wheels to prevent vehicle movement.
3. Sitting in the vehicle, turn the ignition switch to "ON" or "RUN" position. But do not start the engine.
4. Step on the brake pedal and shift the gear selector into "DRIVE" (D).
5. Put your foot over the brake pedal but do not press down on it. Be ready to step on the brake to shut down the Remote Start Device.
6. Start the vehicle using remote transmitter.
   a. If the starter does not engage, the test is complete.
   b. If the starter engages, immediately step on the brake pedal to shut down the system, recheck your VIOLET wire (H1/1 starter output wire) connection. The heavy gauge VIOLET wire must be connected to the ignition switch side of the Neutral Start Switch. If the vehicle you are working on does not have an Electrical Neutral Safety Switch, it will be necessary to reconfigure the Remote Starts Wiring to accommodate this vehicle. The information concerning the Mechanical Neutral Safety Switch provided below will help you to determine if the vehicle you are working on has this type of safety switch and will provide alternate wiring methods to accommodate this situation.

MECHANICAL NEUTRAL SAFETY SWITCH CONSIDERATIONS:
Mechanical neutral safety switch configurations differ slightly in that they do not offer the same level of safety when installing a remote start device. Often when the ignition switch is turned off while the gear selector is in any position other than park or neutral, the mechanical function will not allow the key to be turned to the start position or be removed from the ignition cylinder. This configuration prevents mechanical operation while the vehicle is in gear but offers no consideration for electrical operation. Because of this potential problem, this installation requires the additional connection of a safety wire from the remote start device to the vehicle PARK/NEUTRAL ECM input or the vehicle key in sensor. This connection will prevent remote start operation if the key is left in the ignition switch regardless of the gear selector position.

PARK/NEUTRAL ECM INPUT:
The Park/Neutral ECM input is the preferred method of installation. This not only maintains the integrity of the factory circuit, it is also the easiest to install, providing the vehicle you are working on has this ECM input.
The installation required for this application (shown below), indicates in the slight reconfiguration of the control switch wiring. Shown is a typical GM Park/Neutral ECM input circuit. To connect the Remote Start unit to the GM Park/Neutral ECM input:
1. Locate the Orange/Black reference wire in the "C2" connector found at the ECM in GM B Body vehicles or, locate the equivalent reference wire in the vehicle you are installing the Remote Start Unit in.
2. Connect the BLACK/WHITE Neutral Safety Switch wire (H6/2) to this reference wire.

NOTE: If the optional remote starts enable toggle switch is installed, connect the one side the enable switch to this reference wire and connect the other side of the enable switch to the BLACK/WHITE Neutral Safety Switch wire (H6/2) of the Remote Start unit.
The reference diagram below shows a typical GM B Body ECM reference wire and how it is to be connected to the Remote Start Unit.

Optional Enable Switch

Ignition

Electronic Control Module (ECM) Solid State, Do Not Measure Resistance

To Neutral Safety Switch Input wire Black/White (H6/2)
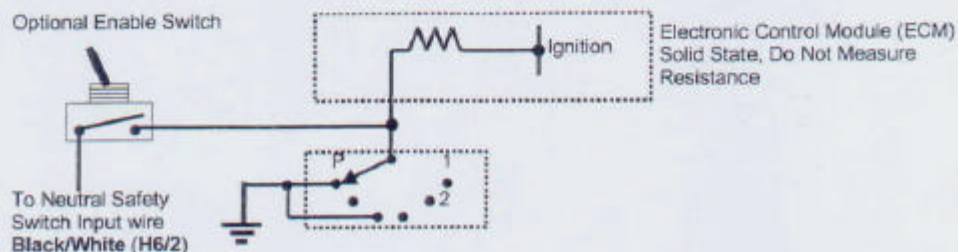
KEY IN SENSOR CIRCUITS:

If the vehicle you are working on does not have or you cannot locate the ECM reference wire, there are two alternatives available. Although not preferred, the vehicle Key In Sensor may be reconfigured to allow a margin of safety and will prevent the vehicle with a Mechanical Neutral Start Switch from starting in gear.
WE ADVISES THAT YOU MAINTAIN THE FACTORY CIRCUIT WHENEVER POSSIBLE. The following two circuits may be used only if the above circuit is not available.
NOTE: When completing an installation using either of the following key in sensor circuits, if the operator inserts the ignition key while the vehicle is running under the control of the Remote Start, the vehicle will shut down. This must be explained to the operator as it is in contrast to the normal operation of a vehicle utilizing an electrical neutral start switch and is inconsistent with the operators manual.
Additional information concerning Key in Sensor methods 1&2 are listed below and should be reviewed before considering either alternative.
Method 1 will allow the safety required for the remote start unit and prevent the vehicle from starting while in any gear other than Park or Neutral while the key is in the ignition cylinder however, if the key is left in the ignition switch and the door is left opened, the added relay will be energized causing a 150mA drain on the battery.
Method 2 will allow the safety required for the remote start unit and prevent the vehicle from starting while in any gear other than Park or Neutral while the key is in the ignition cylinder however, the original factory key in chime module will not alert the owner that the key has been left in the ignition switch. In addition, this may also effect other warning tones such as the light on reminder.
These situations should be carefully considered before altering the vehicle's wiring and must be fully explained to the consumer.
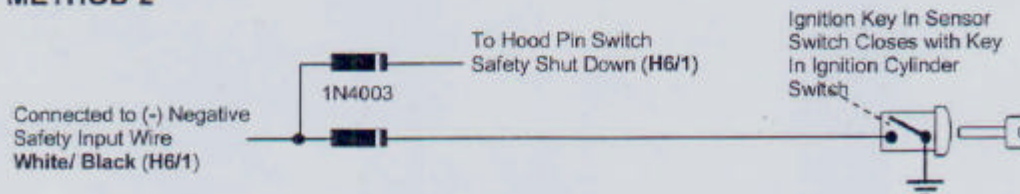
METHOD 1
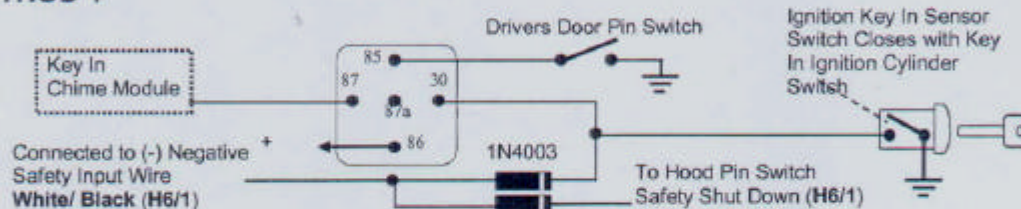
To connect to the key in sensor as shown in method 1:
A. Locate the control wire that connects the drivers door pin switch to the key in sensor switch.
B. Cut this wire and connect the ignition cylinder side to chassis ground.
C. Locate the key in sensor switch wire that connects the chime module to the ignition cylinder.
D. Cut this wire and connect the ignition cylinder side to terminal 30 of a P&B VF45F11 or equivalent relay.
E. Connect the cathode (striped) side of a 4003 series diode to this same wire, and connect the (non striped) side to the negative safely input wire (WHITE/ BLACK) (H6/1) of the Remote Start Unit.
F. Connect terminal 86 of the relay to a fused + 12 volt constant battery source.
G. Connect terminal 87 of the relay to the Chime Module side of the previously cut wire in step D.
H. Connect terminal 85 of the relay to the Drivers Door side of the pin switch wire previously cut in step B.
Note: A second 4003 series diode may be required to maintain the integrity of the hood open, shut down circuit. If this is the case, it must be installed as shown in the diagram above. The anode (Non Stripped) side must be connected to the WHITE/ BLACK wire (H6/1) of the Remote Start Unit. The cathode (Striped) side must be connected to the hood pin switch. If the hood pin switch is also used for an alarm trigger input, be certain to use the dual diode assembly packaged with the Remote Start Unit as shown in this installation guide.

METHOD 2

To connect to the key in sensor circuit as shown for method 2:
A. Locate the control wire that connects the drivers door pin switch to the key in sensor switch.
B. Cut this wire and connect the ignition cylinder side to chassis ground.
C. Locate the key in sensor switch wire that connects the chime module to the ignition cylinder.
D. Cut this wire and connect the ignition cylinder side to the Remote Start Negative Safety Shut down wire WHITE/ BLACK (H6/1), using a 4003 series diode as shown above.
Note: A second 4003 series diode may be required to maintain the integrity of the hood open, shut down circuit.

FCC Statement

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

Warning:

Note: This equipment has been tested and found to comply with the limits for digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, used and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference in to radiate 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 or 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 form that to which the receiver in connected.
● Consult the dealer or an experienced radio/TV technician for help.

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.

THE MANUFACTURER IS NOT RESPONSIBKE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT.SUCH ODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.