



**FALCON PREDATOR EVO4 + 2**  
Vehicle Security System with Remote Starter & LCD Pager  
**Owner's Manual**

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## A) Introduction

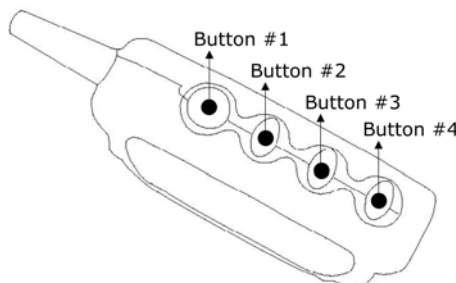
The Falcon Predator EVO4+2 is a unique Vehicle Security System with Remote Engine Starter System and LCD Pager, it is designed to provide you with the highest level of security and convenience for your vehicle.

Thanks to the built in two-way interactive communications system the small palm size LCD remote transmitter will instantly alert you audibly and if the alarm is triggered.

The Falcon Predator EVO4+2 has many programmable functions so please read this manual carefully before installing the Falcon Predator EVO4+2 system.

### A-1) Features

- 1 x Two Way LCD Remote Transmitter and 1 x one way 2nd remote
  - Code Hopping and Code Learning Remote System
  - Up to 4 remote transmitters Programmable
  - Remote Engine Start with system armed/disarmed
  - Timer Engine Start
  - Turbo Timer
  - Remote Arm/Disarm
  - Mute Arm/Disarm
  - Immobiliser
  - Remote Boot Release
  - Passive or Active Lock Programmable
  - Auto Re-arm
  - Ignition Lock/Unlock
  - Car Finder
  - LCD Remote: Vibrate or Audible Alert
  - LCD Back Light Display
- LCD Remote: low battery warning
  - Audible Intrusion Zone Identification
  - Defective Zone Alert and Bypass
  - Keyless Entry While Ignition is on
  - Remote Panic Alarm
  - Anti-Hijacking
  - Emergency System Override
  - Remote Valet Mode
  - Passive Arming
  - Siren programmable for 30 or 60 seconds
  - Built in Central Locking Control
  - Built in Total Closure Control
  - Central Lock Active Time selectable 0.5 or 3.5 seconds
  - Plug-In Dual Stage Shock Sensor
  - Shock Sensor Bypass
  - Vehicle Status Report
  - Interior Light Delay Time programmable



### A-2) Key Function Table

Button	Armed	Disarmed	Ignition On
Button 1 once	Arm	Arm	
Button 2 once	Disarm	Disarm	
Button 1 for 3 secs	Panic	Panic	Panic
Buttons 1+3 for 1 sec	Channel 3	Channel 3	Channel 3
Button 3 once	Car Finder	Car Finder	Anti-Hijacking
Button 3 for 2 secs	Boot Release	Boot Release	RPM Learning
Button 4 for 3 secs	Remote Start On/Off	Remote Start On/Off	
Button 4 once	LCD Remote Back Light	LCD Remote Back Light	LCD Remote Back Light
Buttons 1+2 once	Mute Disarm	Mute Arm	Valet Mode
Buttons 1+4 for 1 sec	Timer Start On/Off	Timer Start On/Off	
Buttons 2+3 once	Status Report	Status Report	Status Report
Buttons 2+4 once		LCD Remote Power Saving	LCD Remote Power Saving
Buttons 3+4 once	Vibrate Alert On/Off	Vibrate Alert On/Off	Vibrate Alert On/Off

**A-3) Button Operations**

**Back Light:**

Press button 4 once, the LCD backlight turns on for 3 seconds

**Power Saving:**

With the system disarmed, press buttons 2+4 once, the LCD remote control will chirp once and 70 seconds later, the LCD screen will be switched off to save the battery power. Simply pressing any button will switch the LCD back on again.

**Vibration Alert:**

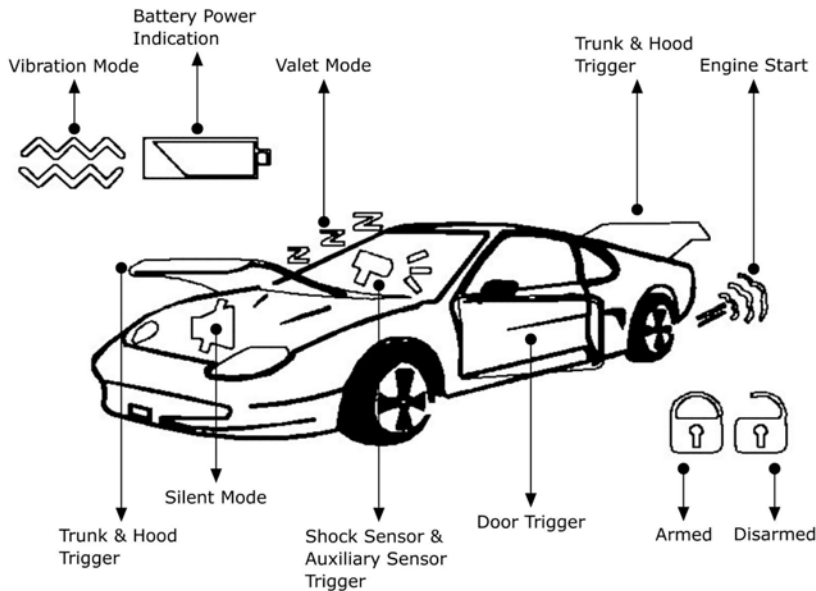
Press buttons 3+4 once to switch between vibration or audible alert of LCD remote control.

**Status Report:**

Press buttons 2+3 once, the system will send back updated vehicle status to the LCD remote control.

**A-4) Color LCD Transmitter**

The LCD remote transmitter provides you with the live monitoring on your vehicle 24 hours a day. As shown below any violated zones are reported to you instantly through the LCD remote transmitter. Press buttons (2) and (3) at the same time to get the current status of your vehicle.



**A-5) Indications of Icons**

Icon	Indication
Battery	Remote Control Low Battery
Wave	Vibration Mode
Bonnet	Bonnet Open or Trigger
Car Siren	Mute Mode
Indicator Light	Indicator Light Flash
Hammer	Trigger of the First or Second Stage Shock Sensor
Zzzzz	Power Saving Mode
Boot	Boot Open or Trigger
Exhaust Fumes	Engine Remote Start
Door	Door Open or Trigger
Lock/Unlock	Arm/Disarm

## **B) System Features**

### **B-1) Remote Transmitter Code Learning**

The included remotes control are programmed to the system before they leave the factory.

Follow the below procedure to program a new remote control:

**a>** Follow the below procedure to program a new remote control.

With the alarm disarmed, and the doors CLOSED, switch the ignition ON/OFF 3 times (within 1 second of each other) and then back to the ON position.

The siren will sound for 2 seconds to indicate the alarm is in code learning mode.

**b>** To program the new remote control press button (1) within 10 seconds.

The siren will chirp and the hazard lights flash twice to confirm that the code has been learned. Follow the same procedure for second, third and fourth remote transmitter.

**c>** If the ignition is turned OFF or button (1) is not pressed within 10 seconds, the system will quit the code-learning mode. If this happens you must start again from the first step.

**d>** Up to 4 remote control transmitters can be programmed to the system.

### **B-2) Remote Arm**

To arm the system, after exiting the vehicle and closing all doors, press button (1) once. The siren will chirp once and the hazard lights flash once. The doors will be locked and immobiliser will be on and armed. Now the system is ready to respond if intrusion attempts are detected.

If the doors or boot are opened, or the first stage shock sensor is triggered, the siren will chirp three times and the hazard lights flash three times at the same time. The violated zones will be by-passed and the system enters into the arm mode.

### **B-3) Remote Disarm**

To disarm the system, simply press button (2) once while the system is armed.

The siren will chirp twice and the hazard lights flash twice at the same time.

If the alarm has been triggered while the system was armed, the siren will chirp 4 times and the parking lights flash 4 times to warn you.

### **B-4) Enhanced System Alerts**

To protect your vehicle, the system will emit a different alert depending on why the alarm was activated.

**a>** Pre-warn sensor (first-stage sensor) triggered: Light impact will activate the pre-warn sensor. Remote LCD transmitter will sounds three short chirps with impact icon displayed.

**b>** Shock sensor (second-stage sensor) triggered: Heavy impact will activate the second-stage sensor. The hazard lights will flash and siren sound for one cycle (30 or 60 seconds based on the programmed default).

**c>** Ignition on: Siren will sound until the ignition is off.

**d>** Door opened and then closed: The hazard lights will flash and siren sound for one cycle (30 or 60 seconds).

**e>** Door opened and not closed: Siren will sound for three cycles (siren will stop for 5 seconds and sound again for next cycle). Door sensors will be bypassed until they are closed.

**f>** Bonnet opened and then closed: The hazard lights will flash and siren sound for one cycle (30 or 60 seconds).

**g>** Bonnet opened and not closed: Siren will sound for three cycles (siren will stop for 5 seconds and sound again for next cycle). Bonnet switch will be bypassed until it is closed.

**h>** Alarm triggered: Press button (1), siren will chirp once, doors lock and the system is still armed or Press button (2) siren will chirp four times, doors unlock, immobiliser will turn off and LED turns off or flashes rapidly.

**B-5) Panic Mode**

Use this mode when you are in a situation where you need to warn away intruders.

**a>** With the alarm disarmed, press button (1) for 3 seconds.

The doors will be locked, immobiliser will turn on, hazard lights will flash and siren sound. The system will be armed after the siren stops.

**b>** With the alarm armed, press button (1) for 3 seconds.

The hazard lights will flash and the siren will sound. The system will remain armed.

**c>** With the ignition on, press button (1) for 3 seconds.

The hazard lights will flash and the siren sound. After the ignition is turned off, the immobiliser will be on and armed.

**B-6) Boot Release (optional feature)**

Press and hold button (3) for 2 seconds with the system either armed or disarmed and the boot will be released.

**B-7) Car Finder**

**a>** Press button (3) once while the system is armed or disarmed, the hazard lights will flash 12 times and the siren will chirp 6 times.

**b>** During Car Finder mode the system can be armed or disarmed as normal.

**B-8) Mute Arm Mode**

With the alarm disarmed, Press button (1) and (2) simultaneously, the hazard lights will flash once, then press button (1) once again within a second. (The LCD Remote Transmitter will sounds one long chirp and display mute and lock icons).

Note that when the system is mute armed the siren will not sound if the 2<sup>nd</sup> stage shock sensor or additional sensors are triggered but the hazard lights will flash as normal.

**B-9) Remote Valet Mode**

This mode is a convenient feature to use when you hand the remote transmitter to third person for valet parking or vehicle service.

With the system disarmed, switch the ignition on and press button (1) and (2) once simultaneously, the siren will chirp once and the LED turn on steady and the system will enter valet mode. In this mode, drivers can control only door lock/unlock.

To exit the remote valet mode, repeat the steps above. The siren will chirp twice and the LED turns off to confirm leaving valet mode.

**B-10) Emergency Override Mode**

In the event of an emergency such as losing the remote control transmitters, you can override the full security system.

**a>** Open the door with your car key and the alarm will be triggered.

**b>** Switch the ignition on/off 6 times.

**B-11) Shock Sensor Bypass**

The 1<sup>st</sup> stage (warn off) shock sensor can be bypassed temporarily by pressing button (1) within 2 seconds of arming.

**B-12) Channel 3 Output/Total Closure Output (optional feature)**

Channel 3 output is often used to operate an external device or can be configured to operate Total/Comfort Closure.

**B-13) Remote Engine Start for Automatic Transmissions**

Press button (4) for over 3 seconds to remote start.

The engine will shut off in the following cases to protect your vehicle after the remote start.

**a>** Bonnet Open

- b>** Door Open
- c>** Boot Open
- d>** Foot brake pushed down
- e>** Hand brake released

\* After remote engine start has been used, please follow the following steps to enter the vehicle.

- a>** Disarm the system if armed.
- b>** Insert the car key into the ignition then switch it to <On>, **not** Start.  
The engine will shut down if you apply the foot or hand brakes before inserting the car key into the ignition and switching <On>.

#### **B-14) Reservation Mode (Remote Engine Start for Manual Transmissions Only)**

For manual transmission cars reservation mode is used for safety reasons. Ensure that Car Type is set to Manual (please refer to # 15 in Programming Option Table)

##### **1) Follow the below procedure to set up the reservation mode.**

- a>** After arriving at the destination, leave the ignition on and shift the gear to the neutral position.
- b>** Pull up the hand brake.
- c>** Remove the key from the ignition. The engine will keep running.
- d>** Exit the vehicle and close the door after Step c. The engine will shut down and the reservation mode is set up. (if the turbo timer feature is enabled the engine will keep running for 120 or 180 seconds before shutting down).

Important: Reservation mode must be set up as above every time before exiting manual transmission cars in order to activate the remote start.

##### **2) Important requirements to activate the reservation mode:**

- a>** The transmission gear must be placed in the **neutral** position.
- b>** The hand brake must be **pulled up**.
- c>** **Do not** set the reservation mode when people are in the vehicle.
- d>** **Do not** activate the remote engine start when people are in the vehicle

##### **3) Cancel the Reservation Mode**

The reservation mode will be cancelled if any of the following cases happen.

- a>** The parking brake is released when the engine is running.
- b>** Button 4 is pressed for 3 seconds between Step **c** and **d** during setting of the reservation mode.
- c>** The valet mode is applied after completing the reservation mode.
- d>** Doors opened after completing the reservation mode without remote engine start.

#### **B-15) LED Status Indicator**

If the system was triggered whilst armed the siren will chirp four times on disarm, the hazard lights will flash twice and the LED will flash to indicate the triggered zone as follows:

- 1 Flash : Shock Sensor
- 2 Flashes : Boot/Bonnet
- 3 Flashes : Door
- 4 Flashes : Ignition

System Status:

- Slow Flash : Arm
- Fast Flash : Auto Re-Arm/Passive Arming/Anti-Hijacking
- Steady Light : Valet Mode
- No Light : Disarm

\*The LED memory will be cleared by turning the ignition on or disarming and arming the system again.

## **C) Optional Features**

The Predator EVO4+ has additional features for different types of vehicles and your customised needs. These options can be programmed by your installer.

### **C-2) Passive Arming**

If Passive Arming is enabled, when the doors are closed the LED starts to flash rapidly. Then siren will chirp once, the hazard lights flash once, Immobiliser turns on and the system is armed automatically 30 seconds after the doors closed. If Passive Locking enabled, the doors will be locked.

### **C-3) Passive Locking**

If Passive Locking is enabled: Upon the doors being closed, the LED starts to flash rapidly. The siren will chirp once, the hazard lights flash once, immobiliser turns on and doors are locked automatically 30 seconds after the last door is closed.

### **C-4) Ignition lock**

If Ignition locking is enabled: The doors will be automatically locked 15 seconds after the ignition is turned on. The doors will be not locked if opened within 15 seconds of the ignition being turned on. The doors will be unlocked immediately upon the ignition being turned off.

### **C-5) Auto Re-Arming**

If Auto Re-Arming is enabled, the system will be automatically armed 30 seconds after the system is disarmed if no doors (or bonnet/boot if connected) are opened.

### **C-6) Anti-Hijacking Mode**

Anti-Hijacking can be activated by remote control or opening of a door. The Anti-Hijack delay can be programmed through the installer options for either 15 or 60 seconds.

#### **a) By remote control: (Only if installer option feature #12 is enabled)**

- With the system disarmed and ignition on
- Press button 3 once
- The LED starts to flash rapidly
- After 15 or 60\* seconds the siren will chirp and the hazard lights will flash 10 times as a warning.
- The siren will then sound, the immobiliser will turn on and the hazard lights will flash until anti-hijacking mode is deactivated.

#### **b) By doors opening: (Only if installer option feature #13 enabled)**

- With the system disarmed and ignition on
- Open the door
- LED starts to flash rapidly
- After 15 or 60\* seconds, the siren will chirp and the hazard lights will flash 10 times as a warning.
- The siren will then sound, the immobiliser will turn on and hazard lights flash until anti-hijacking mode is deactivated.

To deactivate anti-hijacking:

#### **a) During the 15 or 60\* second delay:**

- Turn the ignition off
- The system will enter the armed mode after 15 or 60\* seconds.
- Doors will lock, immobiliser will turn on and the LED flashes slowly
- The siren will chirp and hazard lights flash once to confirm

#### **b) During the warning (siren chirps & flashing hazard lights):**

- Turn the ignition off
- The system will enter the armed mode after the warning
- Doors will lock, immobiliser will turn on and the LED flashes slowly
- The siren will chirp and hazard lights flash once to confirm

Once the system enters the anti-hijacking mode with the siren is sounding and the hazard lights flashing there are 2 way to deactivate the anti-hijacking mode as follows:

**a) By ignition:**

- Turning the ignition off during the anti-hijacking mode
- After the alarming cycle
- Doors will lock, immobiliser will turn on and the LED flashes slowly
- The siren will chirp and hazard lights flash once to confirm

**b) By override:**

- Turn the ignition off
- Turn the ignition on/off 6 times: on-off, on-off, on-off, on-off, on-off, on-off
- The Immobiliser will turn off and the doors will lock
- The LED will be turned off or flash to indicate the triggered zone and the system is disarmed.

Note: The system will not enter the valet mode during the anti-hijacking mode.

\*The Anti-Hijack delay can be programmed through the installer options for either 15 or 60 seconds.

**C-7) Turbo Timer**

The Turbo Timer delay can be programmed through the installer options for either 120 or 180 seconds.

When the Turbo Timer feature is enabled the engine will stay running for 120 or 180 seconds after turning the ignition off in order to protect the turbo life.

Operation is as follows:

- With the ignition key still in on position
- Pull up the handbrake
- Turn the ignition key to the off position
- The Ignition and ACC circuits will stay on
- The system will then start the 120 or 180 seconds countdown
- Open and close the door
- The Ignition and ACC circuits will stay on
- After 120 or 180 seconds, the ignition and ACC circuits will be turned off automatically.
- Pressing button 1 during the 120 or 180 seconds will arm the system (Press buttons 1+2 for Mute Arm)

\* The turbo time will be functional only when the engine has been running for at least 5 minutes

**C-8) Timer Start Mode**

This feature is convenient to use in the cold winter season.

With the system armed or disarmed the Timer Start feature can be turned on or off as follows:

Turn on Timer Start Mode

- Press Buttons 1+4 for 1 second, the siren will chirp and the hazard lights will flash once to confirm the feature has been turned on for 24 hours.
- Then the engine will be started every 3, 6 or 12 hours depending on installer programming.

Turn off Timer Start Mode

- Press Buttons 1+4 for 1 second, the siren will chirp and the hazard lights will flash once to confirm the feature has been cancelled.

Timer Start Mode will be cancelled in the situations below:

- When the remote start is used
- If the ignition has been turned on with the system disarmed
- The doors are opened with the system disarmed.



## D) Visual Deterrent

As a visible deterrent in addition to the flashing dashboard LED your vehicle should have been fitted with the following warning stickers. A helpline sticker should also have been fitted to your front windscreen.

