



FALCON PREDATOR EVO4 V2

Vehicle Security System with Remote Starter

Owner's Manual

Table of Contents:

A) Introduction.....	2
A-1) Features.....	2
A-2) Key Function Table.....	2
B) System Features.....	3
B-1) Remote Transmitter Code Learning.....	3
B-2) Remote Arm.....	3
B-3) Remote Disarm.....	3
B-4) Enhanced System Alerts.....	3
B-5) Panic Mode.....	4
B-6) Boot Release (optional feature).....	4
B-7) Car Finder.....	4
B-8) Mute Arm Mode.....	4
B-9) Remote Valet Mode.....	4
B-10) Emergency Override Mode.....	4
B-11) Shock Sensor Bypass.....	4
B-12) Channel 3 Output/Total Closure Output (optional feature).....	4
B-13) Remote Engine Start for Automatic Transmissions.....	5
B-14) Reservation Mode (Remote Engine Start for Manual Transmissions Only).....	5
B-15) LED Status Indicator.....	5
C) Optional Features.....	6
C-2) Passive Arming.....	6
C-3) Passive Locking.....	6
C-4) Ignition lock.....	6
C-5) Auto Re-Arming.....	6
C-6) Anti-Hijacking Mode.....	6
C-7) Turbo Timer.....	7
C-8) Timer Start Mode.....	7
D) Visual Deterrent.....	8

HELPLINE: 0906 700 10 20

(All calls charged at 50p/min)

Falcon Security Ltd. Unit 9 Tanning Court, Warrington, Cheshire, WA1 2HF, UK
Internet: <http://www.falcon-security.com> Email: support@falcon-security.com

A) Introduction

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

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

A-1) Features

- 2 x Four Button Remote Controls
- 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
- 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
- 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	
Buttons 1+2 once	Mute Disarm	Mute Arm	Valet Mode
Buttons 1+4 for 1 sec	Timer Start On/Off	Timer Start On/Off	

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.

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.

Note that when the system is mute armed the siren will not sound if the 2nd 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 1st 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.

