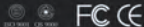




# HA-204

## User/Installation Manual



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# ENGINE IMMOBILISER USER/ INSTALL MANUAL

## SYSTEM DESCRIPTION

This engine immobiliser system is used to disable engine by blocking both electric circuits and oil circuits. It can be used in vehicle 12V. Its transmitter is powered by a 3V lithium battery model CR2032.

## TRANSMITTER OPERATION

This automatic transmission mode of the immobiliser key can be turned on or turned off.

For anti-hijack function, it is indispensable to turn on the automatic transmission to make sure the transmitter automatically send signals. If the automatic transmission is turned off, the transmitter will not send signal automatically and the system will enter into anti-hijack.

### **Automatic transmission ON:**

Press and hold the button on transmitter for 5 seconds, the LED of the transmitter turns on and starts to flash. Release the button, LED will flash once every 3 seconds to indicate that the automatic transmission of the transmitter is turned ON successfully.

### **Automatic transmission OFF:**

Press and hold the button on transmitter for 5 seconds until LED of transmitter changes to light up continuously which indicates automatic transmission function is turned OFF successfully.



## **ATTENTION:**

By factory default setting, the automatic transmission mode of the immobiliser key is switched off for the purpose of power saving during transportation. Therefore, after you receive the system, please turn on automatic transmission mode before installation.

## **SYSTEM FUNCTION**

### **Anti-carjacking Activation**

**1.** When the ignition is turned OFF, if the main unit cannot detect any effective signals from the transmitter in 30secs(see **F3** of the programming table, the detection interval of an effective signal can be also programmed as 60secs), the LED indicator starts to flash once every second. At the 30secs(see **F4** of the programmable table, it can be also programmed as K1/15secs), Killer-1 will begin to block the electric circuits and at the 60secs(see **F4** of the programmable table, it can be also programmed as K2/30secs), Killer-2 will start to block the oil circuits.

When the transmitter is in valid range, both electric and oil circuits will be unblocked and the system exits the anti-carjacking mode with a confirmation sound of Do..Re..Mi(1/2/3)(see **F2** of programming table, by factory default setting the sound to exit anti-hijack mode is turned off).

**2.** During driving or when the ignition is turned ON, if the main unit cannot detect any effective signals from the transmitter in 30secs(see **F3** of the programming table, the detection interval of an effective signal can be also programmed as 60secs), the system will enter into the anti-carjacking mode, the LED indicator flashes once

every second and the buzzer emits the confirmation sound of Bi...Bi...Bi...(see **F1** of programming table, by factory default setting the sound to enter into anti-hijack mode is turned off). At the 30secs (see **F4** of the programmable table, it can be also programmed as K1/15secs), Killer-1 will begin to block the electric circuits, the buzzer releases a shorter sound of Bi.Bi.Bi. and at the 60secs (see **F4** of the programmable table, it can be also programmed as K2/30secs), Killer-2 will start to block the oil circuits, the buzzer gives no sound. Both electric and oil circuits will be unblocked until the transmitter is in valid range, the system will exit the anti-carjacking mode with a confirmation sound of Do..Re..Mi(1/2/3)(see **F2** of programming table, by factory default setting the sound to exit anti-hijack mode is turned off).

### **Attention:**

1. If the transmitter is in valid range, the system won't enter into anti-carjacking mode. When the transmitter is out of valid range, it will enter into anti-carjacking mode automatically.
2. There is power off memory for the system, if the power circuit is cut off during the anti-carjacking mode and after the power is resumed, the Killer-1 and Killer-2 will immediately begin to block the electric and oil circuits.

### **Anti-carjacking Deactivation**

There are 3 ways to exit the anti-carjacking mode, when it is deactivated, the LED will be turned off.

A. When the automatic transmission of the transmitter is turned on, make sure the transmitter is in valid range and go as close as possible to the main unit, the anti-carjack mode will be deactivated;

B. Manually press the button of immobiliser key once;

C. Deactivate via valet button:

turn the ignition ON and within 10 seconds press the valet switch 3 times, 2 seconds later, LED will turn off and the system will exit the anti-carjacking with the confirmation sound of Do..Re..Mi(1/2/3).

### **Bypass Anti-carjacking for One Time**

To avoid any unexpected distress of entering into anti-carjack mode due to low battery of the transmitter or a high intervention of frequency like in the airport, proceed with below steps to deactivate for one time the mode of anti-carjacking by proximity:

1. In status of ACC ON, press and hold the transmitter button for 2 seconds, the system will send 3 sounds of Bi.Bi.Bi to indicate that the mode of anti-carjacking is closed for one time.

To re-activate the anti-carjacking mode, turn the ignition from the position of ACC ON to the position of ACC OFF, then the anti-carjacking mode would be activated again.

### **Valet Mode**

Before the vehicle is sent for service, make sure the system in valet mode. In valet mode, the system won't activate the anti-carjacking no matter in the status of ACC ON or ACC OFF.

- **To enter the valet mode:** turn the ignition ON and within 10 seconds press and hold the valet switch for 5secs, the LED will be turned on to indicate that the system is now in valet mode.
- **To exit the valet mode:** turn the ignition ON, and within 10seconds press valet switch for 5secs, the LED indicator turns OFF to indicate that the system exits the valet mode.

### **LED Indicator**

LED flashes once every second...Enter anti-hijack mode

LED is turned on continually..... Valet Mode

LED is turned off.....Exit anti-hijack mode

### **Code Learning**

The system can memorize max. 4pcs of transmitters. Please follow the steps as below to program a new transmitter:

1. Turn the ignition ON
2. Within 5 seconds turn the ignition OFF
3. Press the valet switch 3 times, the LED indicator flashes once and the buzzer emits a long chirp to indicate that the system has entered into learning mode.
4. Press and hold the button of the new immobiliser key, LED indicator flashes once and the buzzer emits a sound of Bi to confirm that the first immobiliser key is learned successfully. Repeat the step to learn the other 3 immobiliser keys. When the LED flashes 4 times and the buzzer emits 4 sounds of Bi, this indicates that the fourth key is learned successfully, the buzzer will emit the sound of Do..Re..Mi..(1/2/3) to exit the programming. If there is

no activity in 10seconds, system will exit code learning mode automatically.

**Attention:** The previous codes will be erased once a new key is learned, therefore, all the immobiliser keys need to learn again.

## **SYSTEM PROGRAMMING**

1. Turn ignition ON
2. Press and hold the valet switch for 5 seconds, LED will turn on.
3. Press the valet button 3 times, buzzer will emit a long chirp to confirm enter into programming mode.
4. Press the valet button the number according to the desired function(see programming table), each time the valet button is pressed, the buzzer will respond with confirmation chirps accordingly.
5. Press the button of the immobiliser key to select the function
6. When the function is changed, the buzzer will emit 1 or 2 sounds to confirm the function selected(see programming table). To program the next function, press the valet button the number of the desired function without necessary to exit the programming mode.
7. The system will exit the programming mode automatically if there is no operation in 10 seconds or the ignition is turned OFF, the buzzer will emit the sound of Do..Re..Mi..(1/2/3) to confirm exit the programming.

## PRAGRAMMING TABLE

Valet	Function	Press the key	Press the key
		once (1 LED flash, 1 buzzer chirp)	once (2 LED flashes, 2 buzzer chirps)
1	Enter anti-hijack mode with sound (When ACC ON)	ON (With Sound)	OFF (Without Sound)
2	Exit anti-hijack mode with sound (When ACC OFF)	ON (With Sound)	OFF (Without sound)
3	Detection interval of effective transmitter signals	30secs	60secs
4	Time setting of Killer-1/Killer-2	K1/15secs, K2/30secs	K1/30secs, K2/60secs

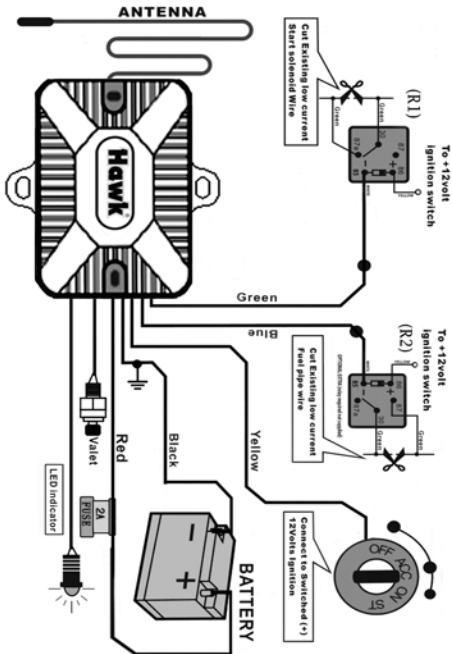
**NOTES:** The default setting is in grey background.

1. Function 3: At the intervals of 30secs or 60secs, if the main unit could detect an effective signal from the transmitter, the system won't enter into the anti-carjacking mode.

2. Function 4: Killer 1/Electric circuit block, Killer-2/Oil circuit block



# WIRING DIAGRAM



CE certificate number:POCE16120605ECT

## CONSUMER WARRANTY

Commercial Electronics ("HAWK") promises to the original purchaser to repair or replace with a comparable reconditioned model any HAWK unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during one year from date of purchase, provided the following conditions are met: the unit was professionally installed and serviced by an authorized HAWK dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized HAWK dealer; and the unit is returned to HAWK, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorized dealers name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a one-year warranty from the date of purchase of the same. This warranty is non-transferable altered, the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. HAWK, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage. **TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND HAWK NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. HAWK DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. HAWK SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. HAWK IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VANDALISM. THIS WARRANTY DOES NOT COVER LABOUR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING HAWK OR ITS SUBSIDIARY, THE PROPER VENUE SHALL BE ENGLAND & WALES . THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST HAWK SHALL BE STRICTLY LIMITED TO THE AUTHORIZED HAWK DEALER'S PURCHASE PRICE OF THE UNIT. HAWK SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOT WITH STANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED ONE YEAR WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE.**