



HPS 841

USING INSTRUCTIONS

CANBUS

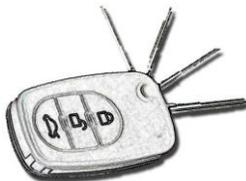
**CAR ALARM AND ANTITHEFT,
ANTI HI-JACK SYSTEM**

Working

ALARM SYSTEM ARMING

Press the CLOSING button of the remote-control. The arming will be confirmed by:

- Blinker flashing based on the lock features of the vehicle
- 1 beep (if it is programmed)
- Switching on of the LED on the dashboard
- Activation of electric engine immobilization (if installed)
- Activation of modules output (windows lifter, ultrasonic sensors, etc.).
- The CDL close the doors



ALARM SYSTEM DISARMING

Press the OPENING button of the remote-control. The disarming will be confirmed by:

- 2 beep (if sit is programmed).
- Switching off of the LED on the dashboard.
- Deactivation of electric engine immobilizer (if installed)
- Deactivation of modules output (windows lifter, ultrasonic sensors, etc.).
- THE CDL open the doors
- Blinker flashing based on the opening features of the vehicle

Automatic rearming

If you switched OFF the alarm with the default remote control of the vehicle, but the doors didn't open, within 15 seconds the CDL closes back automatically the doors, and in the meantime the alarm switches ON.

Warning! This function operates into those cars in which there is automatic reclosing function.

Inhibition time, status of alert

After you switched ON the alarm with the default (OEM) remote control, the alarm will stay for 20 seconds into "neutral time" condition, signalled by the fixed light of the LED. The flashing of the LED of the dashboard will indicate that the system supervises the vehicle and is ready to signal the alarms.

Alarm

In case of attempt to brake in, the system will emit an optic-acoustic signal (flashing of the blinkers and sound of the horn or of the siren, if installed, for 30 seconds, repeated).
To stop the alarm signalling without disarming, press the LOCKING button of the remote control
To stop the alarm signalling and disarming press the OPENING button of the remote control.

Panic facility

Alarm armed, 20 second after arming, press the LOCKING push- button of the remote control: central unit will do an alarm cycle of about 30 second. **Warning! You have to activate the panic function to operate it.**

Ask the help of the installer to the installation!

Status memory

If during the armed state, the alarm is turned off using the mechanical key or the alarm is detached from the cable harness, after restoration it will remember the state in which it was. This prevents any tampering attempt.

Anti hi-jack function

The alarm can immobilize the engine while the engine is ON when somebody hijack the car. This function is switch OFF default. The switching ON of this function happens based on the request of the client in writing. To switch ON this function, please contact with the installer.

Antiaggression function

The alarm can immobilize the engine while the engine is ON when somebody hijack the car together with its own keys. This function is switch OFF default. The switching ON of this function happens based on the request of the client in writing. To switch ON this function, please contact with the installer.

Exclusion of the siren

Through the ignition key it is possible to exclude the functioning of the horn or the siren.
With the alarm disarmed (CDL opened), turn on and off the ignition key for 3 times and, within 30 second, press the original remote control to close the CDL of the vehicle.
From this moment, the central unit will signal the attempt to break in by the flashing of the blinkers only.

Warning! The exclusion of the siren is valid for only one cause of trigger. If you switch OFF the alarm with the remote control, the alarm will be restored automatically in the original state, and for the next switching ON it will react with beep and acoustic signals for every cause.



Alarm memory

If the central unit records one or more causes of alarm, they are signalled, when disarming, through the LED. To verify the type of alarm, check the number of flashings of the LED with the table below.

flashings of the LED	CAUSE
1	DOOR OPENING (SIGNALLED BY CAN-BUS)
2	CENTRAL DOOR LOCKING (SIGNALLED BY CAN-BUS)
3	BONNET OPENING (SIGNALLED BY CAN-BUS)
4	TRUNK OPENING (SIGNALLED BY CAN-BUS)
5	IGNITION ATTEMPT
6	SHOCK SENSOR
7	ULTRASONIC SENSOR
8	EXTRA SENSORS ALARM (BLUE WIRE INPUT)
9	EXTRA SENSORS ALARM (BLUE/RED WIRE INPUT)

Safety function

Door protection	Senses door, trunk and bonnet opening
Engine block	Prevents starting of the engine of the car
Shock sensor	Senses the broke of the door's window
Ignition protection	Senses the ignition of the car
Ultrasonic	Option! Sense moving in the passenger compartment
Anti hi-jack	Triggers in case of running engine, and it can block the engine, if somebody steal the car

Antiagression	Triggers at starting of the car with its own key and it can block the engine, if somebody wants to steal the car
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Valet function

This function is, that during service of the vehicle, operating functions of the alarm are suspension.

Usage of the valet function has, independently from programming of the alarm, 3 types operating opportunities, which are the followings:

1. Valet function with anti hi-jack button.
2. Valet function with ignition key.
3. Valet function with usage of brake pedal/hand brake (this function can be used after programming of PIN code emergency switching OFF function of the alarm).

1. Valet function usage with anti hi-jack button:

<p>Activation of the valet function: At disarmed alarm, sit into the car. All doors of the vehicle have to be closed! Turn ON the ignition key and immediately push and keep pushed anti hi-jack button of the alarm, what was installed into the vehicle. After 10 seconds LED of the alarm on the dashboard starts trigger and it flashes till 5 seconds. Till the LED flashes, let off the anti hi-jack button! By this time the LED flashes twice slowly, signed arming of the valet function. If you let off the anti hi-jack button too early or too late, you have to start the procedure from starting!</p>	<p>Deactivation of the valet function: At disarmed alarm, sit into the car. All doors of the vehicle have to be closed! Turn ON the ignition key and immediately push and keep pushed anti hi-jack button of the alarm, what was installed into the vehicle. After 10 seconds LED of the alarm on the dashboard starts trigger and it flashes till 5 seconds. Till the LED flashes, let off the anti hi-jack button! By this time the LED flashes four times slowly, signed disarming of the valet function. If you let off the anti hi-jack button too early or too late, you have to start the procedure from starting!</p>
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To remind activated status of the valet function, the LED will flash continuously twice if you turn ON the ignition key.

2. Valet function usage with ignition key (this function operates too, if the PIN code emergency switching OFF function is programmed for the 3. operating opportunity, for the PIN code emergency switching OFF on ignition ON, automatically operation):

Activation of the Valet function:

At disarmed alarm, turn ON and OFF the ignition key as many time as first digit of the PIN code of the alarm. During turn ON the ignition key the LED is ON, and after the first digit you have to wait to switch OFF the LED.

After that immediately turn ON and OFF the ignition key as many time as the second digit.

After the LED switching OFF, turn ON and OFF the ignition key as many time as the third digit.

The LED flashes some times signed arming of the valet function.

Deactivation of the Valet function:

Turn ON and OFF the ignition key as many time as first digit of the PIN code of the alarm. During turn ON the ignition key the LED is ON, and after the first digit you have to wait to switch OFF the LED.

After that immediately turn ON and OFF the ignition key as many time as the second digit.

After the LED switching OFF, turn ON and OFF the ignition key as many time as the third digit.

After that the valet function will be in disarmed status.

To remind activated status of the valet function, the LED will flash continuously twice if you turn ON the ignition key.

3. Valet function usage with brake pedal/handbrake (this function operates too, if the PIN code emergency switching OFF function is programmed for the 2. operating opportunity, for the PIN code emergency switching OFF with usage of brake pedal/hand brake operation):

Activation of the Valet function:

At disarmed alarm, turn ON the ignition key, and push/draw the brake pedal/hand brake as many time as first digit of the PIN code (the brake pedal/hand brake operate with CAN-BUS signals not in every car types, therefore they can't be used for valet function not in every cars!) During push/draw of the brake pedal/hand brake the LED is ON, after the first digit, you have to wait to switch OFF the LED.

After that immediately push/draw the brake pedal/hand brake as many time as the second digit.

After the LED switching OFF push/draw the brake pedal/hand brake as many time as the third digit.

The LED flashes some times, signed arming of the valet function.

Deactivation of the Valet function:

Turn ON the ignition key, and push/draw the brake pedal/hand brake as many time as first digit of the PIN code. During push/draw of the brake pedal/hand brake the LED is ON, after the first digit, you have to wait to switch OFF the LED.

After that immediately push/draw the brake pedal/hand brake as many time as the second digit.

After the LED switching OFF push/draw the brake pedal/hand brake as many time as the third digit.

After that the valet function will be in disarmed status.

To remind activated status of the valet function, the LED will flash continuously twice if you turn ON the ignition key.

WARNING! If the Antitheft / Antiaggression function are programmed, before starting of the procedure, push the secret button used to the Antitheft / Antiaggression, and keep it pushed until the procedure wasn't finished! (except the „1. Valet function with antitheft button" mode)!

Exclusion of the ultrasonic / hyperfrequency sensor

This function is necessary if you want to leave the dogs or cats in the car without the trigger of the alarm. In the active state of the function, the other senses of the alarm operate. After the locking, during the neutral time, push the lock button of the remote control to switch on this function. The alarm signs the exclusion of the ultrasonic / hyperfrequency sensors with one blinker flashing and 3 beeps signals.

Use of pin code for release

The PIN code is for that the user can switch OFF the alarm, if the remote control or the alarm get wrong or the battery discharged in the remote control.

PIN code emergency switching OFF function of the alarm, dependent on alarm programming, has 3 types operating opportunities, which are the followings:

1. PIN code emergency switching OFF with ignition key (it is default setting of the alarm).
2. PIN code emergency switching OFF with usage of brake pedal/hand brake (this function can be used after programming of the alarm).
3. PIN code emergency switching OFF on ignition key ON, automatically (this function can be used after programming of the alarm).

In all boxes of the alarms can be found an envelop, which contains the secret PIN code. Only the user can open this envelop. Every alarm has different PIN code! We suggest for the user as for the perfect safety to change the original set PIN code for a new, own one. Please follow the next instructions in the followings chapters.

If you have got any further problem with the PIN code, please look for only your importer!



Usage of the PIN code is necessary, when the remote control lost, or the battery was flat, or the alarm went wrong, but the device is in switched ON status.

Dependent on equipment of the cars, it can be necessary to change the PIN code emergency switching OFF operation, for example in that case, if the vehicle is equipped with "**START & GO**" system, by this time we suggest to program the alarm for the 2. or 3. emergency switching OFF operating mode instead of the default setting of the PIN code emergency switching OFF function!

Only importer of PATROLLINE and his contracted partners can do the programming of the alarm, because special software and hardware is necessary to it!

1. PIN code emergency switching OFF with ignition key (it is default setting of the alarm)

The PIN code is a 3-figures number (e.g. **1-2-3**). If you would like to use the PIN code, do the following instructions with ignition key of the vehicle:

At armed alarm, open the driver's door with mechanical key. The alarm starts trigger, by this time turn ON the ignition key, and turn OFF the ignition key as many time as first digit of the PIN code. During turn ON the ignition key the LED is ON, after the first digit you have to wait to switch OFF the LED.

After that immediately turn ON and OFF the ignition key as many time as the second digit.

After the LED switching OFF, turn ON and OFF the ignition key as many time as the third digit.

If the procedure was successful, the alarm switches OFF. If the procedure was unsuccessful, the alarm stays in armed status, and triggers, by this time you have to restart the PIN code emergency switching OFF procedure from first digit giving of the PIN code.

2. PIN code emergency switching OFF with usage of brake pedal/hand brake (this function can be used after programming of the alarm)

At armed alarm, open the driver's door with mechanical key. The alarm starts trigger, by this time turn ON the ignition key, and push/draw the brake pedal/hand brake as many time as first digit of the PIN code (the brake pedal/hand brake operate with CAN-BUS signals not in every car types, therefore they can't be used for PIN code emergency switching OFF not in every cars!) During push/draw of the brake pedal/hand brake the LED is ON, after the first digit you have to wait to switch OFF the LED.

After that immediately push/draw the brake pedal/hand brake as many time as the second digit.

After the LED switching OFF push/draw the brake pedal/hand brake as many time as the third digit.

If the procedure was successful, the alarm switches OFF. If the procedure was unsuccessful, the alarm stays in armed status, and triggers, by this time you have to restart the PIN code emergency switching OFF procedure from first digit giving of the PIN code.

3. PIN code emergency switching OFF on ignition key ON, automatically (this function can be used after programming of the alarm)

At armed alarm, open the driver's door with mechanical key. The alarm starts trigger, by this time turn ON the ignition key, and the transponder identifies the default key, and through the CAN-BUS network, the alarm will be disarmed automatically.

WARNING! If the Antitheft / Antiaggression function are programmed, before starting of the procedure, push the secret button used to the Antitheft / Antiaggression, and keep it pushed until the procedure wasn't finished!

Modification of the release pin code

The modification of the PIN code is necessary if the client want to modify the default PIN code.

Warning! We suggest to the user to modify the default PIN code.

You may customise the factory pre-set release pin code (1-2-3) just following the herewith procedure, alarm disarmed:

Turn on and off the ignition key as any time as per the first digit of the PIN code. The LED switches ON when you turn on the ignition key and after the first digit you have to wait to switch off the LED. After then immediately turn on and off the ignition key as many time as per the second digit. After the LED switch off, turn on and off the ignition key as many time as per the third digit.

After that the LED flashes some times. Turn on and off the ignition key as many time as per the first digit of the PIN code while the LED flashes. The LED switches ON when you turn on the ignition key and after the first digit you have to wait to switch off the LED. After then immediately turn on and off the ignition key as many time as per the second digit.

After the LED switch off, turn on and off the ignition key as many time as per the third digit.

If you succeed, the quick flashing of the LED on the dashboard confirms that **the new secret code** has successfully substituted the old one.

If PIN code function of the alarm was programmed for brake pedal/hand brake mode, you have to do the above procedure on same way, only you have to push/draw the brake pedal/hand brake instead of turn ON/OFF the ignition key!

WARNING! If the Anti hi-jack / Antitheft function are programmed, before starting of the procedure, push the secret button used to Anti hi-jack / Antitheft, and keep pushing until finish the procedure!

Alarm maintenance

Our alarms are sophisticated systems. The reliability as well as time life may be furthermore incremented just adopting some precautions such as:

Vehicle cleaning: should you clean the vehicle via high-pressure beams (hydro beam or similar), please protect the siren prior to commence cleaning. The alarm warranty will be cancelled if water is detected into the alarm.

Main maintenance: All the repairs must be carried at PATROLLINE assistance centres. Alarm systems pampering by non authorised personnel may invalidate alarm feasibility as well as your vehicle safety.

Declaration of conformity

This product is in conformity with the:

E/ECE/324

E/ECE/TRANS/505 Regulation No. 116 >> Rev.2/Add.115

European Directive, so it satisfies all the requirements asked about the functionality of the alarm devices, and for the electromagnetic compatibility.

The installation certificate of the alarm, included in the box, must be properly filled in every section and it will be part of the documentation of the vehicle.

It is required to write the following homologation number on the installation certificate to complete the conformity with the directive.

E24 116R A-000018



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